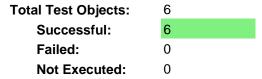
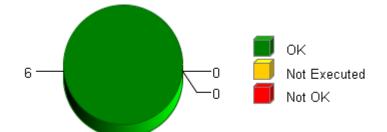


Summary

Overall Test Object Results (including Coverage)



Date: 2015-09-15 **Time:** 13:04:48+0530



Selected Project Items

Test Object "CBD UnitTest/VehDyn/Autocenter f32"

Test Object "CBD_UnitTest/VehDyn/VehDyn_Init1"

Test Object "CBD_UnitTest/VehDyn/VehDyn_Per1"

Test Object "CBD_UnitTest/VehDyn/VehDyn_SCom_ForceCenter"

Test Object "CBD_UnitTest/VehDyn/VehDyn_SCom_ResetCenter"

Test Object "CBD UnitTest/VehDyn/VehDyn Trns1"

Used Test Environments

TI TMS 570 PLS UDE (Default)

Batch Operation Settings

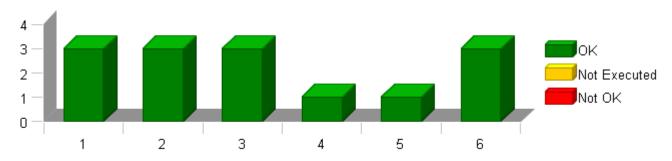
Check Interface: No
Generate Driver: No
Execute Test: Yes
Create New Test Run: No

Instrumentation: Test Object Only

Coverage: Statement Coverage, Branch Coverage, Decision Coverage, Modified Condition /

Decision Coverage, Multiple Condition Coverage

Test Case Results for Each Test Object (without Coverage)

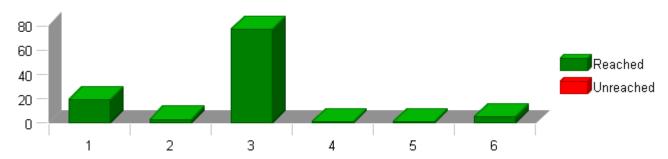


The table above shows each test object on the x axis and the number of test cases of the respective test object on the y axis. Each bar is divided into passed, not executed and failed test cases. The test case results



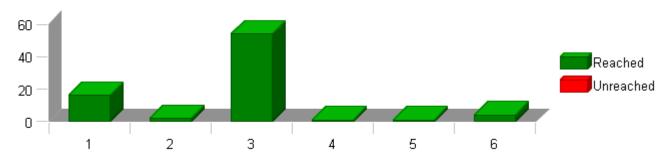
do not take into account any coverage result (i.e. if all test cases of a test object are passed in this table but the coverage is failed, the overall test object result will be failed).

Statement (C0) Coverage: Total Statements for Each Test Object



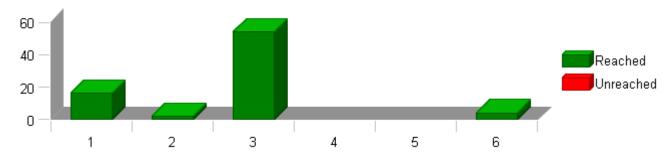
The table above shows each test object on the x axis and the number of statements of the respective test object on the y axis. Each bar is divided into reached statements (i.e. statements that have been executed during the test) and unreached statements.

Branch (C1) Coverage: Total Branches for Each Test Object



The table above shows each test object on the x axis and the number of branches of the respective test object on the y axis. Each bar is divided into reached branches (i.e. branches that have been executed during the test) and unreached branches.

Decision Coverage: Total Decision Outcomes for Each Test Object

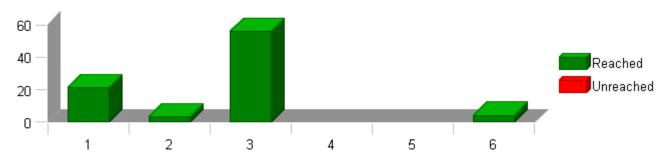


The table above shows test objects on the x axis and the number of possible outcomes of all decisions of the respective test object on the y axis. To achieve full DC coverage, each decision must evaluate to both true and false.

Each bar is divided into reached and unreached decision outcomes.



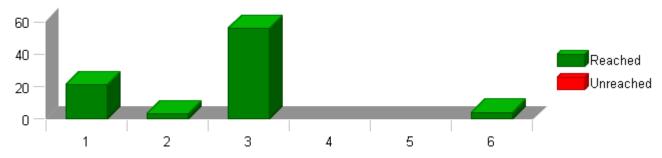
MC/DC Coverage: Total Condition Combinations for Each Test Object



The table above shows test objects on the x axis and the number of condition combinations of all decisions of the respective test object on the y axis. The number of condition combinations is based on the number of boolean conditions within each decision of the test object. To achieve full MC/DC coverage, each decision requires all contained atomic conditions to evaluate to both true and false independently of all other conditions. The cumulated number of rows within such tables of condition combinations is what is displayed in this table.

Each bar is divided into reached condition combinations (i.e. combinations of boolean condition values that have been executed during the test) and unreached condition combinations.

MCC Coverage: Total Condition Combinations for Each Test Object



The table above shows test objects on the x axis and the number of condition combinations of all decisions of the respective test object on the y axis. The number of condition combinations is based on the number of boolean conditions within each decision of the test object. To achieve full MCC coverage, each decision requires all contained atomic conditions to evaluate to all possible combinations of true and false values. The cumulated number of rows within such tables of condition combinations is what is displayed in this table.

Each bar is divided into reached condition combinations (i.e. combinations of boolean condition values that have been executed during the test) and unreached condition combinations.



Test Object List

The following table lists all test objects with their test case and coverage results. The cumulated results for modules, folders and test collections are also displayed, the indentation within the name column indicates the parent relationship of the elements.

Please note that only test objects are numbered within the first column. This number is referenced on the x axis within the overview charts for test case and coverage results available on previous pages (if included into the report).

| No. | Name | C0 | C1 | DC | MC/DC | MCC | Test Cases Re | esult |
|-----|-------------------------|-------|-------|-------|-------|-------|-----------------|-------|
| | VehDyn | 100 % | 100 % | 100 % | 100 % | 100 % | 14 of 14 passed | ~ |
| | CBD_UnitTest | 100 % | 100 % | 100 % | 100 % | 100 % | 14 of 14 passed | • |
| | VehDyn | 100 % | 100 % | 100 % | 100 % | 100 % | 14 of 14 passed | ~ |
| 1 | Autocenter_f32 | 100 % | 100 % | 100 % | 100 % | 100 % | 3 of 3 passed | • |
| 2 | <u>VehDyn_Init1</u> | 100 % | 100 % | 100 % | 100 % | 100 % | 3 of 3 passed | ~ |
| 3 | VehDyn Per1 | 100 % | 100 % | 100 % | 100 % | 100 % | 3 of 3 passed | • |
| 4 | VehDyn SCom ForceCenter | 100 % | 100 % | - | - | - | 1 of 1 passed | ~ |
| 5 | VehDyn SCom ResetCenter | 100 % | 100 % | - | - | - | 1 of 1 passed | • |
| 6 | VehDyn Trns1 | 100 % | 100 % | 100 % | 100 % | 100 % | 3 of 3 passed | ~ |

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VehDyn_SCom_ResetCenter

 Project
 VehDyn

 Module
 VehDyn

Test Object VehDyn_SCom_ResetCenter

Instrumentation: Test Object Only

| Statement (C0) Coverage | 100 % |
|-------------------------|-------|
| Branch (C1) Coverage | 100 % |

Statistics

| Total Testcases | 1 | |
|-----------------|---|---|
| Successful | 1 | ✓ |
| Failed | 0 | |
| Not Executed | 0 | |

Module Properties

| Project Root Directory | D:\Synergy_Work_Area\VehDyn |
|-------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| Configuration File | D:\Synergy_Work_Area\VehDyn\UnitTestEnv\config\TMS570_GCC_UDE_CCS4_Config.xml |
| Target Environment TI TMS 570 PLS UDE (Default) | |
| Kind of Test | Unit Test |
| Linker Options | |
| Source File(s) | |
| File | \$(PROJECTROOT)\src\Ap_VehDyn.c |
| Compiler Options | -D_DATA_ACCESS= -Dconst= -Dstatic= -I\$(PROJECTROOT)\StdDef\u00e1\(\text{include} -I\\$(PROJECTROOT)\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\ |

| Comments/Description/Specification | | | |
|------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
| Name | Text | | |
| Name Module 'VehDyn' | Name of Tester:Spoorti Mali Code File(s) Under Test:Ap_VehDyn.c Code File(s) Version:3 Module Design Document:VehDyn_MDD.docx Module Design Document Version:9 Data Dictionary Version:10 Unit Test Plan Version:6 Optimization Level:Level 2 Compiler (CodeGen) Version:TMS470_4.9.5 Model Type:Excel Macro Model Version:Nexteer EPS Unit Test Tool 2.7d/EPS Library 1.32 Total FLASH Used (Bytes):2278 Total RAM Used (Bytes):201 Total CALS Used (Bytes):215 Special Test Requirements: Test Date:09-15-2015 Comments:"NOTE1: Inline function defined in ""GlobalMacro.h"" are not unit tested. | | |
| | NOTE2: ""CBD_Sandbox_dbg.map"" map file is embedded for reference." | | |

| Attributes | | | |
|-----------------------|------------------------------------------------------------------------------------|--|--|
| Name | Value | | |
| Compiler Install Path | <pre>\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5</pre> | | |
| Float Precision | 9 | | |
| InitObjDir | \$(PROJECTROOT)\UnitTestEnv\static_build_files | | |
| InitSrcDir | \$(PROJECTROOT)\UnitTestEnv\static_build_files\src | | |
| Linker File | \$(InitObjDir)\sys_link.cmd | | |
| Makefile Template | <pre>\$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570_ps.tpl</pre> | | |
| Target Install Path | \$(ProgramFiles)\pls | | |
| Time Unit | Cycles | | |
| Timer Enabled | false | | |
| Timer Prescale | 0 | | |
| Timer Resolution | 1 | | |
| UDE Config File | \$(PROJECTROOT)\UnitTestEnv\config\TMS570_UDE_12PIN_JTAG.cfg | | |

VehDyn_SCom_ResetCenter

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Workspace File

D:\Synergy_Work_Area\VehDyn\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP



VehDyn_SCom_ResetCenter

Test Case 1: Boundary Test

Specification

Performance Metrics: (With "None" Instrumentation and "WithPS" Environment)

TS1.1 589.00 Cycles

Description Vector Description:

TS1.1Initialization

| Test Step 1.1 (Repeat Count = 1) | | | ✓ |
|------------------------------------------------------|------------------------|----------------|----------|
| Name | Input Value | Input Value | |
| e_Inst_Ap_VehDyn target_Rte_Inst_Ap_VehDyn | | | |
| target_Rte_Inst_Ap_VehDyn.Pim_MotPosReset | target_Pim_MotPosReset | | |
| Name | Actual Value | Expected Value | Result |
| target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 | 0 | 0 | ~ |
| target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc | 0 | 0 | ✓ |

| T | | | | |
|---------------------------------------------------|-------|---------------------------------------------------|-------|--------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_Ap_VehDyn_NVM_VehDynReset_Srv_WriteBlock | 1 | Rte_Call_Ap_VehDyn_NVM_VehDynReset_Srv_WriteBlock | 1 | ~ |

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VehDyn_Trns1



| Project | VehDyn |
|-------------|--------------|
| Module | VehDyn |
| Test Object | VehDyn_Trns1 |

Instrumentation: Test Object Only

| Statement (C0) Coverage | 100 % |
|--------------------------|-------|
| Decision Coverage | 100 % |
| Branch (C1) Coverage | 100 % |
| MCC Coverage | 100 % |
| MC/DC Coverage | 100 % |

Statistics

| Total Testcases | 3 | |
|-----------------|---|----------|
| Successful | 3 | ~ |
| Failed | 0 | |
| Not Executed | 0 | |

Module Properties

| Project Root Directory | D:\Synergy_Work_Area\VehDyn | |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Configuration File | D:\Synergy_Work_Area\VehDyn\UnitTestEnv\config\TMS570_GCC_UDE_CCS4_Config.xml | |
| Target Environment | TI TMS 570 PLS UDE (Default) | |
| Kind of Test | Unit Test | |
| Linker Options | | |
| Source File(s) | | |
| File | \$(PROJECTROOT)\src\Ap_VehDyn.c | |
| Compiler Options | -D_DATA_ACCESS= -Dconst= -Dstatic= -I\$(PROJECTROOT)\StdDef\include -I\$(PROJECTROOT)\NxtrLib\include -I\$(PROJECTROOT)\\utp\contract -I\$(PROJECTROOT)\utp\contract\Ap_VehDyn -I\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5\include | |

| ame | Text |
|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| odule 'VehDyn' | ************************************** |
| | Name of Tester:Spoorti Mali |
| | Code File(s) Under Test:Ap_VehDyn.c |
| | Code File(s) Version:8 |
| | Module Design Document:VehDyn_MDD.docx |
| | Module Design Document Version:9 |
| | Data Dictionary Version:10 Unit Test Plan Version:6 |
| | Optimization Level:Level 2 |
| | Compiler (CodeGen) Version:TMS470 4.9.5 |
| | Model Type:Excel Macro |
| | Model Version:Nexteer EPS Unit Test Tool 2.7d/EPS Library 1.32 |
| | Total FLASH Used (Bytes):2278 |
| | Total RAM Used (Bytes):201 |
| | Total CALS Used (Bytes):115 |
| | Special Test Requirements: |
| | Test Date:09-15-2015 Comments:"NOTE1: Inline function defined in ""GlobalMacro.h"" are not unit tested. |
| | Comments. NOTE 1. Infine function destined in Globol Macron. Tale not unit tested. NOTE2: ""CBD Sandbox dbq.map" map file is embedded for reference." |

| Attributes | |
|-----------------------|------------------------------------------------------------------------------------|
| Name | Value |
| Compiler Install Path | \$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5 |
| Float Precision | 9 |
| InitObjDir | \$(PROJECTROOT)\UnitTestEnv\static_build_files |
| InitSrcDir | \$(PROJECTROOT)\UnitTestEnv\static_build_files\src |
| Linker File | \$(InitObjDir)\sys_link.cmd |
| Makefile Template | <pre>\$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570_ps.tpl</pre> |
| Target Install Path | \$(ProgramFiles)\pls |
| Time Unit | Cycles |
| Timer Enabled | false |

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| Attributes | |
|------------------|---------------------------------------------------------------------|
| Name | Value |
| Timer Prescale | 0 |
| Timer Resolution | |
| UDE Config File | \$(PROJECTROOT)\UnitTestEnv\config\TMS570_UDE_12PIN_JTAG.cfg |
| Workspace File | D:\Synergy_Work_Area\VehDyn\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP |



Test Case 1: Metrics Test

Specification

Performance Metrics: (With "None" Instrumentation and "WithPS" Environment)

TS1.1 588.00 Cycles Shortest Execution Path TS1.2 590.00 Cycles Longest Execution Path

Description Vector Description:

 $TS 1.1Shortest \ Execution \ Path=>(HandWheelAuth_Uls_T_f32>=k_SLPMinHwAuthToStoreHwPos_Uls_f32)=TRUE \\ TS 1.2Longest \ Execution \ Path=>(HandWheelAuth_Uls_T_f32>=k_SLPMinHwAuthToStoreHwPos_Uls_f32)=FALSE \\ TS 1.2Longest \ Execution \ Path=>(HandWheelAuth_Uls_T_f32)=FALSE \\ TS 1.2Longest \ Path=>(HandWheelAuth_Uls_T_f32)=FALSE \\$

| Test Step 1.1 (Repeat Count = 1) | | | | |
|----------------------------------------------------------------------|-----------------------------------------|----------------|--------|--|
| Name | Input Value | | | |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn_2 | | | |
| k_SLPMinHwAuthToStoreHwPos_UIs_f32 | 0.291999996 | | | |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 71.3000031 | | | |
| target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_HandwheelPosition_HwDeg_f32 | target_VehDyn_Trns1_HandwheelPosition_ | HwDeg_f32_2 | | |
| target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_HwAuth_Uls_f32 | target_VehDyn_Trns1_HwAuth_Uls_f32_2 | | | |
| target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_MechMtrPos1_Rev_f32 | target_VehDyn_Trns1_MechMtrPos1_Rev_f32 | | | |
| target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset | target_Pim_MotPosReset | | | |
| target_VehDyn_Trns1_HandwheelPosition_HwDeg_f32_2.value | 778.25 | | | |
| target_VehDyn_Trns1_HwAuth_Uls_f32_2.value | 0 | | | |
| target_VehDyn_Trns1_MechMtrPos1_Rev_f32.value | 1 | | | |
| Name | Actual Value | Expected Value | Result | |
| target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 | 0 | 0 | ~ | |
| target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc | 0 | 0 | ~ | |

| T . | | | | | | |
|---------------------------------------------------|-------|---------------------------------------------------|-------|--------|--|--|
| Actual Function | Count | Expected Function | Count | Result | | |
| Rte Call Ap VehDyn NVM VehDynReset Srv WriteBlock | 1 | Rte Call Ap VehDyn NVM VehDynReset Srv WriteBlock | 1 | ~ | | |

| Test Step 1.2 (Repeat Count = 1) | | | | |
|-------------------------------------------------------------------------------------------------------------|-----------------------------------------|----------------|--------|--|
| Name | ne Input Value | | | |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn_2 | | | |
| k_SLPMinHwAuthToStoreHwPos_UIs_f32 | 1 | | | |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 100 | | | |
| target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_HandwheelPosition_HwDeg_f32 target_VehDyn_Trns1_HandwheelPosition_ | | HwDeg_f32_2 | | |
| target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_HwAuth_Uls_f32 | target_VehDyn_Trns1_HwAuth_Uls_f32_2 | | | |
| target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_MechMtrPos1_Rev_f32 | target_VehDyn_Trns1_MechMtrPos1_Rev_f32 | | | |
| target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset target_Pim_MotPosReset | | | | |
| target_VehDyn_Trns1_HandwheelPosition_HwDeg_f32_2.value 1600 | | | | |
| target_VehDyn_Trns1_HwAuth_Uls_f32_2.value | 1 | | | |
| target_VehDyn_Trns1_MechMtrPos1_Rev_f32.value | 1 | | | |
| Name | Actual Value | Expected Value | Result | |
| target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 | 1600 | 1600 | ~ | |
| target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc | 1 | 1 | ~ | |



Test Case 2: Boundary Test

Specification

Performance Metrics: (With "None" Instrumentation and "WithPS" Environment)

CPU Cycles:

TS2.1 534.00 Cycles
TS2.2 584.00 Cycles
TS2.2 584.00 Cycles
TS2.3 534.00 Cycles
TS2.3 534.00 Cycles
TS2.5 534.00 Cycles
TS2.6 534.00 Cycles
TS2.7 534.00 Cycles
TS2.7 534.00 Cycles
TS2.9 534.00 Cycles
TS2.10 534.00 Cycles
TS2.11 534.00 Cycles
TS2.11 534.00 Cycles
TS2.12 534.00 Cycles
TS2.13 580.00 Cycles
TS2.14 534.00 Cycles
TS2.15 534.00 Cycles
TS2.16 580.00 Cycles
TS2.17 580.00 Cycles
TS2.18 580.00 Cycles
TS2.19 580.00 Cycles
TS2.19 580.00 Cycles
TS2.19 580.00 Cycles
TS2.20 534.00 Cycles

Description

Vector Description:

TS 2.1All Min TS 2.2All Max

TS 2.3HandwheelPosition_HwDeg_f32 = Min TS 2.4HandwheelPosition_HwDeg_f32 = Max TS 2.5HandwheelPosition_HwDeg_f32 = Zero

TS 2.5HandwheelPosition_HwDeg_f32 = Zero
TS 2.6HandwheelPosition_HwDeg_f32 = Pos
TS 2.7HandwheelPosition_HwDeg_f32 = Neg
TS 2.8HwAuth_Uls_f32 = Min
TS 2.9HwAuth_Uls_f32 = Max
TS 2.10HwAuth_Uls_f32 = Pos
TS 2.11k_SLPMinHwAuthToStoreHwPos_Uls_f32 = Min
TS 2.12k_SLPMinHwAuthToStoreHwPos_Uls_f32 = Max
TS 2.13k_SLPMinHwAuthToStoreHwPos_Uls_f32 = Pos
TS 2.14k_SLPMinHwAuthToStoreHwPos_Uls_f32 = Default
TS 2.15MechMtrPos1_Rev_f32=Min

TS 2.14K_SLPMIIIHWAUIT I SIGIEHWPOS_0IS_132
TS 2.15MechMtrPos1_Rev_f32=Min
TS 2.16MechMtrPos1_Rev_f32=Max
TS 2.17k_SysKinRatio_MtrDegpHwDeg_f32=Min
TS 2.18k_SysKinRatio_MtrDegpHwDeg_f32=Max TS 2.19k_SysKinRatio_MtrDegpHwDeg_f32=Pos TS 2.20k_SysKinRatio_MtrDegpHwDeg_f32=Default

| Test Step 2.1 (Repeat Count = 1) | | | | |
|----------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------|--------|--|
| Name | Input Value | | | |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn_2 | | | |
| k_SLPMinHwAuthToStoreHwPos_Uls_f32 | 0 | | | |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 1 | | | |
| target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_HandwheelPosition_HwDeg_f32 | _Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_HandwheelPosition_HwDeg_f32 target_VehDyn_Trns1_HandwheelPosition_HwDeg_f32_2 | | | |
| target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_HwAuth_Uls_f32 | target_VehDyn_Trns1_HwAuth_Uls_f32_2 | | | |
| target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_MechMtrPos1_Rev_f32 | target_VehDyn_Trns1_MechMtrPos1_Rev_f32 | | | |
| target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset | target_Pim_MotPosReset | | | |
| target_VehDyn_Trns1_HandwheelPosition_HwDeg_f32_2.value | ndwheelPosition_HwDeg_f32_2.value -1600 | | | |
| target_VehDyn_Trns1_HwAuth_Uls_f32_2.value | 0 | | | |
| target_VehDyn_Trns1_MechMtrPos1_Rev_f32.value | 0 | | | |
| Name | Actual Value | Expected Value | Result | |
| target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 | -1600 | -1600 | ~ | |
| target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc | 1 | 1 | ~ | |

| T ✓ | | | | | | |
|---------------------------------------------------|-------|---------------------------------------------------|-------|--------|--|--|
| Actual Function | Count | Expected Function | Count | Result | | |
| Rte_Call_Ap_VehDyn_NVM_VehDynReset_Srv_WriteBlock | 1 | Rte_Call_Ap_VehDyn_NVM_VehDynReset_Srv_WriteBlock | 1 | ~ | | |



| Test Step 2.2 (Repeat Count = 1) | | | |
|----------------------------------------------------------------------|-----------------------------------------|----------------|--------|
| Name | Input Value | | |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn_2 | | |
| k_SLPMinHwAuthToStoreHwPos_UIs_f32 | 1 | | |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 100 | | |
| target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_HandwheelPosition_HwDeg_f32 | target_VehDyn_Trns1_HandwheelPosition_I | HwDeg_f32_2 | |
| target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_HwAuth_Uls_f32 | target_VehDyn_Trns1_HwAuth_Uls_f32_2 | | |
| target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_MechMtrPos1_Rev_f32 | target_VehDyn_Trns1_MechMtrPos1_Rev_f32 | | |
| target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset | target_Pim_MotPosReset | | |
| target_VehDyn_Trns1_HandwheelPosition_HwDeg_f32_2.value | 1600 | | |
| target_VehDyn_Trns1_HwAuth_Uls_f32_2.value | 1 | | |
| target_VehDyn_Trns1_MechMtrPos1_Rev_f32.value | 1 | | |
| Name | Actual Value | Expected Value | Result |
| target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 | 1600 | 1600 | ~ |
| target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc | 1 | 1 | ~ |

| Т | | | | | | |
|---------------------------------------------------|-------|---------------------------------------------------|-------|--------|--|--|
| Actual Function | Count | Expected Function | Count | Result | | |
| Rte_Call_Ap_VehDyn_NVM_VehDynReset_Srv_WriteBlock | 1 | Rte_Call_Ap_VehDyn_NVM_VehDynReset_Srv_WriteBlock | 1 | ~ | | |

| Test Step 2.3 (Repeat Count = 1) | | | |
|----------------------------------------------------------------------|-----------------------------------------|----------------|----------|
| Name | Input Value | | |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn_2 | | |
| k_SLPMinHwAuthToStoreHwPos_UIs_f32 | 0.112000003 | | |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 100 | | |
| target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_HandwheelPosition_HwDeg_f32 | target_VehDyn_Trns1_HandwheelPosition_ | HwDeg_f32_2 | |
| target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_HwAuth_Uls_f32 | target_VehDyn_Trns1_HwAuth_Uls_f32_2 | | |
| target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_MechMtrPos1_Rev_f32 | target_VehDyn_Trns1_MechMtrPos1_Rev_f32 | | |
| target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset | target_Pim_MotPosReset | | |
| target_VehDyn_Trns1_HandwheelPosition_HwDeg_f32_2.value | -1600 | | |
| target_VehDyn_Trns1_HwAuth_Uls_f32_2.value | 0.170000002 | | |
| target_VehDyn_Trns1_MechMtrPos1_Rev_f32.value | 1 | | |
| Name | Actual Value | Expected Value | Result |
| target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 | -1600 | -1600 | ~ |
| target Pim MotPosReset.NVMStoredLastPosValid Cnt Igc | 1 | 1 | ✓ |

| Τ | | | | | | | |
|---------------------------------------------------|-------|---------------------------------------------------|-------|--------|--|--|--|
| Actual Function | Count | Expected Function | Count | Result | | | |
| Rte_Call_Ap_VehDyn_NVM_VehDynReset_Srv_WriteBlock | 1 | Rte_Call_Ap_VehDyn_NVM_VehDynReset_Srv_WriteBlock | 1 | ~ | | | |

| Test Step 2.4 (Repeat Count = 1) | | | ✓ |
|----------------------------------------------------------------------|-----------------------------------------|----------------|--------|
| Name | Input Value | | |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn_2 | | |
| k_SLPMinHwAuthToStoreHwPos_UIs_f32 | 0.148000002 | | |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 32.4000015 | | |
| target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_HandwheelPosition_HwDeg_f32 | target_VehDyn_Trns1_HandwheelPosition_H | HwDeg_f32_2 | |
| target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_HwAuth_Uls_f32 | target_VehDyn_Trns1_HwAuth_Uls_f32_2 | | |
| target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_MechMtrPos1_Rev_f32 | target_VehDyn_Trns1_MechMtrPos1_Rev_f | 32 | |
| target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset | target_Pim_MotPosReset | | |
| target_VehDyn_Trns1_HandwheelPosition_HwDeg_f32_2.value | 1600 | | |
| target_VehDyn_Trns1_HwAuth_Uls_f32_2.value | 0.976800025 | | |
| target_VehDyn_Trns1_MechMtrPos1_Rev_f32.value | 0.059999987 | | |
| Name | Actual Value | Expected Value | Result |
| target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 | 1599.33337 | 1599.33337 | ~ |
| target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc | 1 | 1 | ~ |

| T | | | | V |
|---------------------------------------------------|-------|---------------------------------------------------|-------|--------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_Ap_VehDyn_NVM_VehDynReset_Srv_WriteBlock | 1 | Rte_Call_Ap_VehDyn_NVM_VehDynReset_Srv_WriteBlock | 1 | ~ |

| Test Step 2.5 (Repeat Count = 1) | ✓ |
|----------------------------------|-----------------------------|
| Name | Input Value |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn_2 |

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| Name | Input Value | | |
|----------------------------------------------------------------------|-----------------------------------------|----------------|--------|
| k_SLPMinHwAuthToStoreHwPos_Uls_f32 | 0.184 | | |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 45.7000008 | | |
| target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_HandwheelPosition_HwDeg_f32 | target_VehDyn_Trns1_HandwheelPosition_I | HwDeg_f32_2 | |
| target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_HwAuth_Uls_f32 | target_VehDyn_Trns1_HwAuth_Uls_f32_2 | | |
| target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_MechMtrPos1_Rev_f32 | target_VehDyn_Trns1_MechMtrPos1_Rev_f | 32 | |
| target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset | target_Pim_MotPosReset | | |
| target_VehDyn_Trns1_HandwheelPosition_HwDeg_f32_2.value | 0 | | |
| target_VehDyn_Trns1_HwAuth_Uls_f32_2.value | 0.966600001 | | |
| target_VehDyn_Trns1_MechMtrPos1_Rev_f32.value | 0.109999999 | | |
| Name | Actual Value | Expected Value | Result |
| target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 | -0.866520762 | -0.866520762 | ~ |
| target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc | 1 | 1 | ~ |

| T | | | | |
|---------------------------------------------------|-------|---------------------------------------------------|-------|--------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_Ap_VehDyn_NVM_VehDynReset_Srv_WriteBlock | 1 | Rte_Call_Ap_VehDyn_NVM_VehDynReset_Srv_WriteBlock | 1 | ~ |

| Test Step 2.6 (Repeat Count = 1) | | | ✓ |
|----------------------------------------------------------------------|----------------------------------------|----------------|----------|
| Name | Input Value | | |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn_2 | | |
| k_SLPMinHwAuthToStoreHwPos_UIs_f32 | 0.219999999 | | |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 54.2999992 | | |
| target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_HandwheelPosition_HwDeg_f32 | target_VehDyn_Trns1_HandwheelPosition_ | HwDeg_f32_2 | |
| target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_HwAuth_Uls_f32 | target_VehDyn_Trns1_HwAuth_Uls_f32_2 | | |
| target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_MechMtrPos1_Rev_f32 | target_VehDyn_Trns1_MechMtrPos1_Rev_ | <u>f</u> 32 | |
| target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset | target_Pim_MotPosReset | | |
| target_VehDyn_Trns1_HandwheelPosition_HwDeg_f32_2.value | 1458.12 | | |
| target_VehDyn_Trns1_HwAuth_Uls_f32_2.value | 0.956399977 | | |
| target_VehDyn_Trns1_MechMtrPos1_Rev_f32.value | 0.159999996 | | |
| Name | Actual Value | Expected Value | Result |
| target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 | 1457.0592 | 1457.0592 | ~ |
| target Pim MotPosReset.NVMStoredLastPosValid Cnt Igc | 1 | 1 | ✓ |

| T | | | | ✓ |
|---------------------------------------------------|-------|---------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_Ap_VehDyn_NVM_VehDynReset_Srv_WriteBlock | 1 | Rte_Call_Ap_VehDyn_NVM_VehDynReset_Srv_WriteBlock | 1 | ~ |

| Test Step 2.7 (Repeat Count = 1) | | | ✓ |
|----------------------------------------------------------------------|-----------------------------------------|----------------|----------|
| Name | Input Value | | |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn_2 | | |
| k_SLPMinHwAuthToStoreHwPos_UIs_f32 | 0.256000012 | | |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 67.4000015 | | |
| target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_HandwheelPosition_HwDeg_f32 | target_VehDyn_Trns1_HandwheelPosition_h | HwDeg_f32_2 | |
| target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_HwAuth_Uls_f32 | target_VehDyn_Trns1_HwAuth_Uls_f32_2 | | |
| target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_MechMtrPos1_Rev_f32 | target_VehDyn_Trns1_MechMtrPos1_Rev_f | 32 | |
| target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset | target_Pim_MotPosReset | | |
| target_VehDyn_Trns1_HandwheelPosition_HwDeg_f32_2.value | -145.25 | | |
| target_VehDyn_Trns1_HwAuth_Uls_f32_2.value | 0.946200013 | | |
| target_VehDyn_Trns1_MechMtrPos1_Rev_f32.value | 0.209999993 | | |
| Name | Actual Value | Expected Value | Result |
| target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 | -146.371658 | -146.371658 | ~ |
| target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc | 1 | 1 | ~ |

| T | | | | ✓ |
|---------------------------------------------------|-------|---------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_Ap_VehDyn_NVM_VehDynReset_Srv_WriteBlock | 1 | Rte_Call_Ap_VehDyn_NVM_VehDynReset_Srv_WriteBlock | 1 | ~ |

| Test Step 2.8 (Repeat Count = 1) | ✓ |
|----------------------------------------------------------------------|---------------------------------------------------|
| Name | Input Value |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn_2 |
| k_SLPMinHwAuthToStoreHwPos_Uls_f32 | 0.291999996 |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 71.3000031 |
| target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_HandwheelPosition_HwDeg_f32 | target_VehDyn_Trns1_HandwheelPosition_HwDeg_f32_2 |

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| Name | Input Value | | |
|--------------------------------------------------------------|---------------------------------------|----------------|--------|
| target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_HwAuth_Uls_f32 | target_VehDyn_Trns1_HwAuth_Uls_f32_2 | | |
| target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_MechMtrPos1_Rev_f32 | target_VehDyn_Trns1_MechMtrPos1_Rev_f | 32 | |
| target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset | target_Pim_MotPosReset | | |
| target_VehDyn_Trns1_HandwheelPosition_HwDeg_f32_2.value | 778.25 | | |
| target_VehDyn_Trns1_HwAuth_Uls_f32_2.value | 0 | | |
| target_VehDyn_Trns1_MechMtrPos1_Rev_f32.value | 0.25999999 | | |
| Name | Actual Value | Expected Value | Result |
| target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 | 0 | 0 | ~ |
| target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc | 0 | 0 | ~ |

| T | | | | |
|---------------------------------------------------|-------|---------------------------------------------------|-------|--------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_Ap_VehDyn_NVM_VehDynReset_Srv_WriteBlock | 1 | Rte_Call_Ap_VehDyn_NVM_VehDynReset_Srv_WriteBlock | 1 | • |

| Test Step 2.9 (Repeat Count = 1) | | | ✓ |
|----------------------------------------------------------------------|-----------------------------------------|----------------|--------|
| Name | Input Value | | |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn_2 | | |
| k_SLPMinHwAuthToStoreHwPos_UIs_f32 | 0.328000009 | | |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 78.5999985 | | |
| target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_HandwheelPosition_HwDeg_f32 | target_VehDyn_Trns1_HandwheelPosition_I | HwDeg_f32_2 | |
| target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_HwAuth_Uls_f32 | target_VehDyn_Trns1_HwAuth_Uls_f32_2 | | |
| target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_MechMtrPos1_Rev_f32 | target_VehDyn_Trns1_MechMtrPos1_Rev_f32 | | |
| target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset | target_Pim_MotPosReset | | |
| target_VehDyn_Trns1_HandwheelPosition_HwDeg_f32_2.value | -887.200012 | | |
| target_VehDyn_Trns1_HwAuth_Uls_f32_2.value | 1 | | |
| target_VehDyn_Trns1_MechMtrPos1_Rev_f32.value | 0.310000002 | | |
| Name | Actual Value | Expected Value | Result |
| target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 | -888.619873 | -888.619873 | ~ |
| target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc | 1 | 1 | ~ |

| T | | | | V |
|---------------------------------------------------|-------|---------------------------------------------------|-------|--------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_Ap_VehDyn_NVM_VehDynReset_Srv_WriteBlock | 1 | Rte_Call_Ap_VehDyn_NVM_VehDynReset_Srv_WriteBlock | 1 | ~ |

| Name | Input Value | | |
|----------------------------------------------------------------------|-----------------------------------------|----------------|--------|
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn_2 | | |
| k_SLPMinHwAuthToStoreHwPos_UIs_f32 | 0.363999993 | | |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 80.1999969 | | |
| target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_HandwheelPosition_HwDeg_f32 | target_VehDyn_Trns1_HandwheelPosition_h | HwDeg_f32_2 | |
| target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_HwAuth_Uls_f32 | target_VehDyn_Trns1_HwAuth_Uls_f32_2 | | |
| target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_MechMtrPos1_Rev_f32 | target_VehDyn_Trns1_MechMtrPos1_Rev_f32 | | |
| target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset | target_Pim_MotPosReset | | |
| target_VehDyn_Trns1_HandwheelPosition_HwDeg_f32_2.value | 989.140015 | | |
| target_VehDyn_Trns1_HwAuth_Uls_f32_2.value | 0.915600002 | | |
| target_VehDyn_Trns1_MechMtrPos1_Rev_f32.value | 0.360000014 | | |
| Name | Actual Value | Expected Value | Result |
| target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 | 987.524048 | 987.524048 | - |
| target Pim MotPosReset.NVMStoredLastPosValid Cnt Igc | 1 | 1 | |

| T | | | | ~ |
|---------------------------------------------------|-------|---------------------------------------------------|-------|--------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_Ap_VehDyn_NVM_VehDynReset_Srv_WriteBlock | 1 | Rte_Call_Ap_VehDyn_NVM_VehDynReset_Srv_WriteBlock | 1 | ~ |

| Test Step 2.11 (Repeat Count = 1) | ✓ |
|----------------------------------------------------------------------|---------------------------------------------------|
| Name | Input Value |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn_2 |
| k_SLPMinHwAuthToStoreHwPos_UIs_f32 | 0 |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 83.5999985 |
| target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_HandwheelPosition_HwDeg_f32 | target_VehDyn_Trns1_HandwheelPosition_HwDeg_f32_2 |
| target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_HwAuth_Uls_f32 | target_VehDyn_Trns1_HwAuth_Uls_f32_2 |
| target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_MechMtrPos1_Rev_f32 | target_VehDyn_Trns1_MechMtrPos1_Rev_f32 |
| target Rte Inst Ap VehDyn 2.Pim MotPosReset | target Pim MotPosReset |

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| Name | Input Value | | |
|---------------------------------------------------------|--------------|----------------|--------|
| target_VehDyn_Trns1_HandwheelPosition_HwDeg_f32_2.value | -1014.15399 | | |
| target_VehDyn_Trns1_HwAuth_Uls_f32_2.value | 0.905399978 | | |
| target_VehDyn_Trns1_MechMtrPos1_Rev_f32.value | 0.409999996 | | |
| Name | Actual Value | Expected Value | Result |
| target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 | -1015.91956 | -1015.91956 | ✓ |
| target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc | 1 | 1 | ✓ |

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|---------------------------------------------------|-------|---------------------------------------------------|-------|--------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_Ap_VehDyn_NVM_VehDynReset_Srv_WriteBlock | 1 | Rte_Call_Ap_VehDyn_NVM_VehDynReset_Srv_WriteBlock | 1 | • |

| Test Step 2.12 (Repeat Count = 1) | | | |
|----------------------------------------------------------------------|-----------------------------------------|----------------|--------|
| Name | Input Value | | |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn_2 | | |
| k_SLPMinHwAuthToStoreHwPos_UIs_f32 | 1 | | |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 88.5999985 | | |
| target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_HandwheelPosition_HwDeg_f32 | target_VehDyn_Trns1_HandwheelPosition_I | HwDeg_f32_2 | |
| target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_HwAuth_Uls_f32 | target_VehDyn_Trns1_HwAuth_Uls_f32_2 | | |
| target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_MechMtrPos1_Rev_f32 | target_VehDyn_Trns1_MechMtrPos1_Rev_f32 | | |
| target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset | target_Pim_MotPosReset | | |
| target_VehDyn_Trns1_HandwheelPosition_HwDeg_f32_2.value | -245.100006 | | |
| target_VehDyn_Trns1_HwAuth_Uls_f32_2.value | 0.895200014 | | |
| target_VehDyn_Trns1_MechMtrPos1_Rev_f32.value | 0.460000008 | | |
| Name | Actual Value | Expected Value | Result |
| target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 | 0 | 0 | ~ |
| target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc | 0 | 0 | ~ |

| T | | | | V |
|---------------------------------------------------|-------|---------------------------------------------------|-------|--------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_Ap_VehDyn_NVM_VehDynReset_Srv_WriteBlock | 1 | Rte_Call_Ap_VehDyn_NVM_VehDynReset_Srv_WriteBlock | 1 | ~ |

| Test Step 2.13 (Repeat Count = 1) | | | V |
|----------------------------------------------------------------------|-----------------------------------------|----------------|--------|
| Name | Input Value | | |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn_2 | | |
| k_SLPMinHwAuthToStoreHwPos_UIs_f32 | 0.472000003 | | |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 90.1999969 | | |
| target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_HandwheelPosition_HwDeg_f32 | target_VehDyn_Trns1_HandwheelPosition_I | HwDeg_f32_2 | |
| target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_HwAuth_Uls_f32 | target_VehDyn_Trns1_HwAuth_Uls_f32_2 | | |
| target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_MechMtrPos1_Rev_f32 | target_VehDyn_Trns1_MechMtrPos1_Rev_f | 32 | |
| target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset | target_Pim_MotPosReset | | |
| target_VehDyn_Trns1_HandwheelPosition_HwDeg_f32_2.value | 893.23999 | | |
| target_VehDyn_Trns1_HwAuth_Uls_f32_2.value | 0.88499999 | | |
| target_VehDyn_Trns1_MechMtrPos1_Rev_f32.value | 0.50999999 | | |
| Name | Actual Value | Expected Value | Result |
| target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 | 895.195618 | 895.195679 | ~ |
| target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc | 1 | 1 | ~ |

| T | | | | V |
|---------------------------------------------------|-------|---------------------------------------------------|-------|--------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_Ap_VehDyn_NVM_VehDynReset_Srv_WriteBlock | 1 | Rte_Call_Ap_VehDyn_NVM_VehDynReset_Srv_WriteBlock | 1 | ~ |



| Test Step 2.14 (Repeat Count = 1) | | | ✓ |
|----------------------------------------------------------------------|-----------------------------------------|----------------|--------|
| Name | Input Value | | |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn_2 | | |
| k_SLPMinHwAuthToStoreHwPos_UIs_f32 | 0.100000001 | | |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 78.5999985 | | |
| target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_HandwheelPosition_HwDeg_f32 | target_VehDyn_Trns1_HandwheelPosition_I | HwDeg_f32_2 | |
| target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_HwAuth_Uls_f32 | target_VehDyn_Trns1_HwAuth_Uls_f32_2 | | |
| target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_MechMtrPos1_Rev_f32 | target_VehDyn_Trns1_MechMtrPos1_Rev_f32 | | |
| target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset | target_Pim_MotPosReset | | |
| target_VehDyn_Trns1_HandwheelPosition_HwDeg_f32_2.value | -887.200012 | | |
| target_VehDyn_Trns1_HwAuth_Uls_f32_2.value | 1 | | |
| target_VehDyn_Trns1_MechMtrPos1_Rev_f32.value | 0.310000002 | | |
| Name | Actual Value | Expected Value | Result |
| target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 | -888.619873 | -888.619873 | ~ |
| target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc | 1 | 1 | ~ |

| Test Step 2.15 (Repeat Count = 1) | | | ✓ |
|----------------------------------------------------------------------|-----------------------------------------|----------------|--------|
| Name | Input Value | | |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn_2 | | |
| k_SLPMinHwAuthToStoreHwPos_UIs_f32 | 0.344999999 | | |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 93.4000015 | | |
| target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_HandwheelPosition_HwDeg_f32 | target_VehDyn_Trns1_HandwheelPosition_ | HwDeg_f32_2 | |
| target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_HwAuth_Uls_f32 | target_VehDyn_Trns1_HwAuth_Uls_f32_2 | | |
| target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_MechMtrPos1_Rev_f32 | target_VehDyn_Trns1_MechMtrPos1_Rev_f32 | | |
| target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset | target_Pim_MotPosReset | | |
| target_VehDyn_Trns1_HandwheelPosition_HwDeg_f32_2.value | 389.399994 | | |
| target_VehDyn_Trns1_HwAuth_Uls_f32_2.value | 0.776000023 | | |
| target_VehDyn_Trns1_MechMtrPos1_Rev_f32.value | 0 | | |
| Name | Actual Value | Expected Value | Result |
| target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 | 389.399994 | 389.399994 | ~ |
| target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc | 1 | 1 | - |

| Test Step 2.16 (Repeat Count = 1) | | | V |
|----------------------------------------------------------------------|-----------------------------------------|----------------|--------|
| Name | Input Value | | |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn_2 | | |
| k_SLPMinHwAuthToStoreHwPos_Uls_f32 | 0.467000008 | | |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 95.4000015 | | |
| target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_HandwheelPosition_HwDeg_f32 | target_VehDyn_Trns1_HandwheelPosition_I | HwDeg_f32_2 | |
| target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_HwAuth_Uls_f32 | target_VehDyn_Trns1_HwAuth_Uls_f32_2 | | |
| target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_MechMtrPos1_Rev_f32 | target_VehDyn_Trns1_MechMtrPos1_Rev_f32 | | |
| target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset | target_Pim_MotPosReset | | |
| target_VehDyn_Trns1_HandwheelPosition_HwDeg_f32_2.value | -876.5 | | |
| target_VehDyn_Trns1_HwAuth_Uls_f32_2.value | 0.563000023 | | |
| target_VehDyn_Trns1_MechMtrPos1_Rev_f32.value | 1 | | |
| Name | Actual Value | Expected Value | Result |
| target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 | -876.5 | -876.5 | ~ |
| target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc | 1 | 1 | • |

| Test Step 2.17 (Repeat Count = 1) | | | ~ |
|----------------------------------------------------------------------|-----------------------------------------|----------------|--------|
| Name | Input Value | | |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn_2 | | |
| k_SLPMinHwAuthToStoreHwPos_UIs_f32 | 0.233999997 | | |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 1 | | |
| target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_HandwheelPosition_HwDeg_f32 | target_VehDyn_Trns1_HandwheelPosition_I | HwDeg_f32_2 | |
| target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_HwAuth_Uls_f32 | target_VehDyn_Trns1_HwAuth_Uls_f32_2 | | |
| target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_MechMtrPos1_Rev_f32 | target_VehDyn_Trns1_MechMtrPos1_Rev_f32 | | |
| target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset | target_Pim_MotPosReset | | |
| target_VehDyn_Trns1_HandwheelPosition_HwDeg_f32_2.value | 290.600006 | | |
| target_VehDyn_Trns1_HwAuth_Uls_f32_2.value | 0.344999999 | | |
| target_VehDyn_Trns1_MechMtrPos1_Rev_f32.value | 0.69999988 | | |
| Name | Actual Value | Expected Value | Result |
| target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 | 398.600006 | 398.600006 | ~ |
| target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc | 1 | 1 | ~ |



| Test Step 2.18 (Repeat Count = 1) | | | ✓ |
|----------------------------------------------------------------------|-----------------------------------------|----------------|----------|
| Name | Input Value | | |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn_2 | | |
| k_SLPMinHwAuthToStoreHwPos_UIs_f32 | 0.123000003 | | |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 100 | | |
| target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_HandwheelPosition_HwDeg_f32 | target_VehDyn_Trns1_HandwheelPosition_I | HwDeg_f32_2 | |
| target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_HwAuth_Uls_f32 | target_VehDyn_Trns1_HwAuth_Uls_f32_2 | | |
| target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_MechMtrPos1_Rev_f32 | target_VehDyn_Trns1_MechMtrPos1_Rev_f32 | | |
| target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset | target_Pim_MotPosReset | | |
| target_VehDyn_Trns1_HandwheelPosition_HwDeg_f32_2.value | 391.700012 | | |
| target_VehDyn_Trns1_HwAuth_Uls_f32_2.value | 0.234999999 | | |
| target_VehDyn_Trns1_MechMtrPos1_Rev_f32.value | 0.80000012 | | |
| Name | Actual Value | Expected Value | Result |
| target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 | 392.420013 | 392.420013 | ~ |
| target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc | 1 | 1 | ~ |

| Test Step 2.19 (Repeat Count = 1) | | | V |
|----------------------------------------------------------------------|-----------------------------------------|----------------|--------|
| Name | Input Value | | |
| Rte_Inst_Ap_VehDyn hDyn | target_Rte_Inst_Rp_VehDyn_2 | | |
| k_SLPMinHwAuthToStoreHwPos_Uls_f32 lue | 0.112000003 | | |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 23.7000008 | | |
| target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_HandwheelPosition_HwDeg_f32 | target_VehDyn_Trns1_HandwheelPosition_I | HwDeg_f32_2 | |
| target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_HwAuth_Uls_f32 | target_VehDyn_Trns1_HwAuth_Uls_f32_2 | | |
| target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_MechMtrPos1_Rev_f32 | target_VehDyn_Trns1_MechMtrPos1_Rev_f | 32 | |
| target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset | target_Pim_MotPosReset | | |
| target_VehDyn_Trns1_HandwheelPosition_HwDeg_f32_2.value | -658.900024 | | |
| target_VehDyn_Trns1_HwAuth_Uls_f32_2.value | 0.128000006 | | |
| target_VehDyn_Trns1_MechMtrPos1_Rev_f32.value | 0.89999976 | | |
| Name | Actual Value | Expected Value | Result |
| target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 | -657.381042 | -657.381042 | ~ |
| target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc | 1 | 1 | • |

Test Step 2.20 (Repeat Count = 1)



Test Case 3: Path Test

Specification

Performance Metrics: (With "None" Instrumentation and "WithPS" Environment)

CPU Cycles:

TS 3.1 585.00 Cycles TS 3.2 599.00 Cycles TS 3.3 580.00 Cycles

Description Vector Description:

 $TS 3.1(HandWheelAuth_Uls_T_f32 >= k_SLPMinHwAuthToStoreHwPos_Uls_f32) = True \&\& (MechMtrPos1_Rev_T_f32 > D_HALFREV_ULS_F32) = False \\ TS 3.2(MechMtrPos1_Rev_T_f32 > D_HALFREV_ULS_F32) = True \\ TS 3.3(HandWheelAuth_Uls_T_f32 >= k_SLPMinHwAuthToStoreHwPos_Uls_f32) = False \\ TS 3.3(HandWheelAuth_Uls_T_f32 > T_f32 > T_$

| Test Step 3.1 (Repeat Count = 1) | | V | |
|----------------------------------------------------------------------|-----------------------------------------|----------------|--------|
| Name | Input Value | | |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn_2 | | |
| k_SLPMinHwAuthToStoreHwPos_UIs_f32 | 0 | | |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 1 | | |
| target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_HandwheelPosition_HwDeg_f32 | target_VehDyn_Trns1_HandwheelPosition_h | HwDeg_f32_2 | |
| target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_HwAuth_Uls_f32 | target_VehDyn_Trns1_HwAuth_Uls_f32_2 | | |
| target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_MechMtrPos1_Rev_f32 | target_VehDyn_Trns1_MechMtrPos1_Rev_f32 | | |
| target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset | target_Pim_MotPosReset | | |
| target_VehDyn_Trns1_HandwheelPosition_HwDeg_f32_2.value | -1600 | | |
| target_VehDyn_Trns1_HwAuth_Uls_f32_2.value | 0 | | |
| target_VehDyn_Trns1_MechMtrPos1_Rev_f32.value | 0 | | |
| Name | Actual Value | Expected Value | Result |
| target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 | -1600 | -1600 | ~ |
| target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc | 1 | 1 | ~ |

| T | | | | V |
|---------------------------------------------------|-------|---------------------------------------------------|-------|--------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_Ap_VehDyn_NVM_VehDynReset_Srv_WriteBlock | 1 | Rte_Call_Ap_VehDyn_NVM_VehDynReset_Srv_WriteBlock | 1 | ~ |

| Test Step 3.2 (Repeat Count = 1) | | | ✓ |
|----------------------------------------------------------------------|---------------------------------------|----------------|----------|
| Name | Input Value | | |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn_2 | | |
| k_SLPMinHwAuthToStoreHwPos_UIs_f32 | 1 | | |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 100 | | |
| target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_HandwheelPosition_HwDeg_f32 | target_VehDyn_Trns1_HandwheelPosition | n_HwDeg_f32_2 | |
| target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_HwAuth_Uls_f32 | target_VehDyn_Trns1_HwAuth_Uls_f32_2 | 2 | |
| target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_MechMtrPos1_Rev_f32 | target_VehDyn_Trns1_MechMtrPos1_Rev | _f32 | |
| target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset | target_Pim_MotPosReset | | |
| target_VehDyn_Trns1_HandwheelPosition_HwDeg_f32_2.value | 1600 | | |
| target_VehDyn_Trns1_HwAuth_Uls_f32_2.value | 1 | | |
| target_VehDyn_Trns1_MechMtrPos1_Rev_f32.value | 1 | | |
| Name | Actual Value | Expected Value | Result |
| target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 | 1600 | 1600 | ~ |
| target Pim MotPosReset NVMStored astPosValid Cnt Igc | 1 | 1 | ✓ |

| T | | | | ✓ |
|---------------------------------------------------|-------|---------------------------------------------------|-------|--------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_Ap_VehDyn_NVM_VehDynReset_Srv_WriteBlock | 1 | Rte_Call_Ap_VehDyn_NVM_VehDynReset_Srv_WriteBlock | 1 | ~ |

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| Test Step 3.3 (Repeat Count = 1) | | | ✓ |
|----------------------------------------------------------------------|-----------------------------------------|----------------|----------|
| Name | Input Value | | |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn_2 | | |
| k_SLPMinHwAuthToStoreHwPos_UIs_f32 | 0.291999996 | | |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 71.3000031 | | |
| target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_HandwheelPosition_HwDeg_f32 | target_VehDyn_Trns1_HandwheelPosition_H | HwDeg_f32_2 | |
| target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_HwAuth_Uls_f32 | target_VehDyn_Trns1_HwAuth_Uls_f32_2 | | |
| target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_MechMtrPos1_Rev_f32 | target_VehDyn_Trns1_MechMtrPos1_Rev_f3 | 32 | |
| target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset | target_Pim_MotPosReset | | |
| target_VehDyn_Trns1_HandwheelPosition_HwDeg_f32_2.value | 778.25 | | |
| target_VehDyn_Trns1_HwAuth_Uls_f32_2.value | 0 | | |
| target_VehDyn_Trns1_MechMtrPos1_Rev_f32.value | 1 | | |
| Name | Actual Value | Expected Value | Result |
| target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 | 0 | 0 | ~ |
| target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc | 0 | 0 | ~ |

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VehDyn_Init1



| Project | VehDyn |
|-------------|--------------|
| Module | VehDyn |
| Test Object | VehDyn_Init1 |

Instrumentation: Test Object Only

| Statement (C0) Coverage | 100 % |
|-------------------------|-------|
| Decision Coverage | 100 % |
| Branch (C1) Coverage | 100 % |
| MCC Coverage | 100 % |
| MC/DC Coverage | 100 % |

Statistics

| Total Testcases | 3 | |
|-----------------|---|---|
| Successful | 3 | ~ |
| Failed | 0 | |
| Not Executed | 0 | |

Module Properties

| Project Root Directory | D:\Synergy_Work_Area\VehDyn |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| Configuration File | D:\Synergy_Work_Area\VehDyn\UnitTestEnv\config\TMS570_GCC_UDE_CCS4_Config.xml |
| Target Environment | TI TMS 570 PLS UDE (Default) |
| Kind of Test | Unit Test |
| Linker Options | |
| Source File(s) | |
| File | \$(PROJECTROOT)\src\Ap_VehDyn.c |
| Compiler Options | -D_DATA_ACCESS= -Dconst= -Dstatic= -I\$(PROJECTROOT)\StdDef\u00e1\(\text{include} -I\text{s(PROJECTROOT)}\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\ |

| Comments/Description/Spe | ecification |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Name | Text |
| Module 'VehDyn' | Name of Tester:Spoorti Mali Code File(s) Under Test:Ap_VehDyn.c Code File(s) Version:3 Module Design Document:VehDyn_MDD.docx Module Design Document Version:9 Data Dictionary Version:10 Unit Test Plan Version:6 Optimization Level:Level 2 Compiler (CodeGen) Version:TMS470_4.9.5 Model Type:Excel Macro Model Version:Nexteer EPS Unit Test Tool 2.7d/EPS Library 1.32 Total FLASH Used (Bytes):2278 Total FLASH Used (Bytes):2278 Total RAM Used (Bytes):2115 Special Test Requirements: Test Date:09-15-2015 Comments:"NOTE1: Inline function defined in ""GlobalMacro.h"" are not unit tested. NOTE2: ""CBD_Sandbox_dbg.map"" map file is embedded for reference." |

| Attributes | |
|-----------------------|-------------------------------------------------------------------------|
| Name | Value |
| Compiler Install Path | \$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5 |
| Float Precision | 9 |
| InitObjDir | \$(PROJECTROOT)\UnitTestEnv\static_build_files |
| InitSrcDir | \$(PROJECTROOT)\UnitTestEnv\static_build_files\src |
| Linker File | \$(InitObjDir)\sys_link.cmd |
| Makefile Template | \$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570_ps.tpl |
| Target Install Path | \$(ProgramFiles)\pls |
| Time Unit | Cycles |
| Timer Enabled | false |

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VehDyn_Init1



| Attributes | |
|------------------|---------------------------------------------------------------------|
| Name | Value |
| Timer Prescale | 0 |
| Timer Resolution | 1 |
| UDE Config File | \$(PROJECTROOT)\UnitTestEnv\config\TMS570_UDE_12PIN_JTAG.cfg |
| Workspace File | D:\Synergy_Work_Area\VehDyn\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP |



Test Case 1: Metrics Test

Specification

Performance Metrics: (With "None" Instrumentation and "WithPS" Environment)

CPU Cycles: TS1.1 3995.00 Cycles Shortest Execution Path TS1.2 4064.00 Cycles Longest Execution Path

Description Vector Description:

 $TS1.1Shortest\ Execution\ Path=>(((Rte_Pim_MotPosReset()->NVMStoredLastPosValid_Cnt_lgc) == TRUE)\ \&\&\ (((FaultBFActive_Cnt_T_lgc\ \&\ LSLPEnableBFCheck_Cnt_lgc) == FALSE)))=FALSE \\ TS1.2Longest\ Execution\ Path=>(((Rte_Pim_MotPosReset()->NVMStoredLastPosValid_Cnt_lgc) == TRUE)\ \&\&\ (((FaultBFActive_Cnt_T_lgc\ \&\ LSLPEnableBFCheck_Cnt_lgc) == FALSE)))=TRUE$

| Test Step 1.1 (Repeat Count = 1) | | | ✓ |
|------------------------------------------------------------------------------------|---------------------------------------|----------------------------------------|--------|
| Name | Input Value | | |
| GetSystemTime_mS_u32(CurrentTime) | tgt_GetSystemTime_mS_u32_CurrentTime | 2 | |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc) | target_Rte_Call_Ap_VehDyn_NxtrDiagMgr | | |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn_2 | | |
| k_AutoCntrHiSpdCntrWindow_HwDeg_f32 | 16.8675175 | | |
| k_AutoCntrHiSpdFilt1Kn_Hz_f32 | 0.00499999989 | | |
| k_AutoCntrHiSpdFilt2Kn_Hz_f32 | 0.00779999979 | | |
| k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32 | 511.249969 | | |
| k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32 | 2.49991417 | | |
| k_AutoCntrHiSpdTimer1VehSpd_kph_f32 | 119.398392 | | |
| k_AutoCntrHiSpdTimer1_mS_u16 | 19956 | | |
| k_AutoCntrHiSpdTimer2_mS_u16 | 1111 | | |
| k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32 | 47.1357269 | | |
| k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32 | 577.715271 | | |
| k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32 | 18.6059322 | | |
| k_AutoCntrHiSpdTimer4VehSpd_kph_f32 | 69.9332428 | | |
| k_AutoCntrHiSpdTimer4_mS_u16 | 47307 | | |
| k_AutoCntrLoSpdCntrWindow_HwDeg_f32 | 97.2305069 | | |
| k_AutoCntrLoSpdFilt1Kn_Hz_f32 | 0.0350000001 | | |
| k_AutoCntrLoSpdFilt2Kn_Hz_f32 | 0.0649999976 | | |
| k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32 | 0 | | |
| k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32 | 16.4742603 | | |
| k_AutoCntrLoSpdTimer1VehSpd_kph_f32 | 113.628799 | | |
| k_AutoCntrLoSpdTimer1_mS_u16 | 49475 | | |
| k_AutoCntrLoSpdTimer2_mS_u16 | 38708 | | |
| k_AutoCntrPinTrqLPFCoeffKn_Hz_f32 | 0.00499999989 | | |
| k_SLPEnableBFCheck_Cnt_lgc | 0 | | |
| k_SLPHwAuthority_Uls_f32 | 0.00120000006 | | |
| target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 | 1425.14795 | | |
| target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc | 1 | | |
| $target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc$ | 0 | | |
| target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset | target_Pim_MotPosReset | | |
| tgt_GetSystemTime_mS_u32_CurrentTime | 1720406272 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 577.715271 | 577.715271 ± 0.2 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 69.9332428 | 69.9332428 ± 0.5 | • |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 18.6059322 | 18.6059322 ± 0.04 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 47.1357269 | 47.1357269 ± 0.0625 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 19956 | 19956 ± 2 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 47307 | 47307 ± 2 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 1720406272 | 1720406272 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 1720406272 | 1720406272 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000439703465 | 0.000439726253 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000816464424 | 0.000816480606 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 511.249969 | 511.249969 ± 0.2 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 119.398392 | 119.398392 ± 0.5 | • |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 2.49991417 | 2.49991417 ± 0.04 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 16.8675175 | 16.8675175 ± 0.0625 | • |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 19956 | 19956 ± 2 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 1111 | 1111 ± 2 | • |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 1720406272 | 1720406272 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 1720406272 | 1720406272 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 6.28232956e-005 | 6.28298803e-005 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 9.7990036e-005 | 9.80128898e-005 ± 1.25663627181805E-06 | • |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 0 | 0 ± 0.2 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 113.628799 | 113.628799 ± 0.5 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 16.4742603 | 16.4742603 ± 0.04 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 97.2305069 | 97.2305069 ± 0.0625 | ~ |
| | | | |





| Name | Actual Value | Expected Value | Result |
|----------------------------------------------------------------|-----------------|----------------------------------------|----------|
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 49475 | 49475 ± 2 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 38708 | 38708 ± 2 | • |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 1720406272 | 1720406272 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 1720406272 | 1720406272 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000439703465 | 0.000439726253 ± 1.25663627181805E-06 | • |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000816464424 | 0.000816480606 ± 1.25663627181805E-06 | ✓ |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 6.28232956e-005 | 6.28298803e-005 ± 1.25663627181805E-06 | • |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.00120000006 | 0.00120000006 | • |
| VehDyn_SLPHwPos_HwDeg_M_f32 | 1425.14795 | 1425.14795 | ~ |

| Τ | | | | V |
|---------------------------------------------|-------|---------------------------------------------|-------|--------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |

| Test Step 1.2 (Repeat Count = 1) | | | ~ |
|------------------------------------------------------------------------|----------------------------------------------|--------------------------------------------------------------------------------------------|--------|
| Name | Input Value | | |
| GetSystemTime_mS_u32(CurrentTime) | tgt_GetSystemTime_mS_u32_CurrentTim | е | |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc) | target_Rte_Call_Ap_VehDyn_NxtrDiagMg | r_GetNTCActive_NTCActive_Ptr_T_lgc | |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn_2 | | |
| k_AutoCntrHiSpdCntrWindow_HwDeg_f32 | 100 | | |
| k_AutoCntrHiSpdFilt1Kn_Hz_f32 | 0.100000001 | | |
| k_AutoCntrHiSpdFilt2Kn_Hz_f32 | 0.100000001 | | |
| k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32 | 700 | | |
| k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32 | 20 | | |
| k_AutoCntrHiSpdTimer1VehSpd_kph_f32 | 255 | | |
| k_AutoCntrHiSpdTimer1_mS_u16 | 60000 | | |
| k_AutoCntrHiSpdTimer2_mS_u16 | 60000 | | |
| k AutoCntrHiSpdTimer4CntrWindow HwDeg f32 | 100 | | |
| k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32 | 700 | | |
| k AutoCntrHiSpdTimer4PinTrq HwNm f32 | 20 | | |
| k_AutoCntrHiSpdTimer4VehSpd_kph_f32 | 255 | | |
| k_AutoCntrHiSpdTimer4_mS_u16 | 60000 | | |
| k AutoCntrLoSpdCntrWindow HwDeg f32 | 100 | | |
| k AutoCntrLoSpdFilt1Kn Hz f32 | 0.100000001 | | |
| k AutoCntrLoSpdFilt2Kn Hz f32 | 0.100000001 | | |
| k AutoCntrLoSpdTimer1MtrVel MtrRadpS f32 | 700 | | |
| k AutoCntrLoSpdTimer1PinTrq HwNm f32 | 20 | | |
| k AutoCntrLoSpdTimer1VehSpd kph f32 | 255 | | |
| | | | |
| k_AutoCntrLoSpdTimer1_mS_u16 | 60000 | | |
| k_AutoCntrLoSpdTimer2_mS_u16 | 60000 | | |
| k_AutoCntrPinTrqLPFCoeffKn_Hz_f32 | 0.100000001 | | |
| k_SLPEnableBFCheck_Cnt_lgc | 1 | | |
| k_SLPHwAuthority_Uls_f32 | 1 | | |
| target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 | 1600 | | |
| target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc | 1 | | |
| target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc | 1 | | |
| target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset | target_Pim_MotPosReset | | |
| tgt_GetSystemTime_mS_u32_CurrentTime | 4294967295 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 700 | 700 ± 0.2 | - |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 255 | 255 ± 0.5 | • |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 20 | 20 ± 0.04 | • |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 100 | 100 ± 0.0625 | • |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 60000 | 60000 ± 2 | • |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 60000 | 60000 ± 2 | • |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 4294967295 | 4294967295 | |
| VehDyn AutoCntrDetSpd M str.Timer2 mS u32 | 4294967295 | 4294967295 | |
| VehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32 | 0.00125586987 | 0.00125584786 ± 1.25663627181805E-06 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.00125586987 | 0.00125584786 ± 1.25663627181805E-06 | |
| VehDyn AutoCntrHiSpd M str.MtrVel MtrRadpS f32 | 700 | 700 ± 0.2 | |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 255 | 255 ± 0.5 | |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 20 | 20 ± 0.04 | |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 100 | 100 ± 0.0625 | |
| VehDyn AutoCntrHiSpd M str.Timer1Thresh mS u16 | 60000 | 60000 ± 2 | |
| | | | |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 60000 | 60000 ± 2 | |
| VahDun AutoCatal ICad M. ata Timont. arX 2000 | 4294967295 | 4294967295 | • |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 4004007005 | 4004007005 | |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 4294967295 | 4294967295 | • |
| | 4294967295 0.00125586987 0.00125586987 | 4294967295 0.00125584786 ± 1.25663627181805E-06 0.00125584786 ± 1.25663627181805E-06 | |

VehDyn_Init1

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Actual Value **Expected Value** VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 700 700 ± 0.2 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 255 255 ± 0.5 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 20 20 ± 0.04 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 100 100 ± 0.0625 60000 ± 2 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 60000 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 60000 60000 ± 2 4294967295 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 4294967295 $VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32$ 4294967295 4294967295 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 0.00125586987 0.00125584786 ± 1.25663627181805E-06 0.00125586987 0.00125584786 ± 1.25663627181805E-06 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_PinTrqSV_M_str.K_Uls_f32 0.00125586987 0.00125584786 ± 1.25663627181805E-06 VehDyn_SLPHwAuth_Uls_M_f32 0 0 VehDyn_SLPHwPos_HwDeg_M_f32 0

| Τ | | | | ✓ |
|---------------------------------------------|-------|---------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |

VehDyn_Init1

2015-09-15, 12:53:19+0530



Test Case 2: Boundary Test

2015-09-15, 12:53:19+0530

VehDyn_Init1



Specification

Performance Metrics: (With "None" Instrumentation and "WithPS" Environment) CPU Cycles: TS2.1 4053.00 Cycles TS2.2 3974.00 Cycles TS2.3 3945.00 Cycles TS2.4 3945.00 Cycles TS2.5 3945.00 Cycles TS2.6 3945.00 Cycles TS2.7 3945.00 Cycles TS2.8 3945.00 Cycles TS2.9 3945.00 Cycles TS2.10 3945.00 Cycles TS2.11 3945.00 Cycles TS2.12 3945.00 Cycles TS2.12 3945.00 Cycles TS2.13 3945.00 Cycles TS2.14 3945.00 Cycles TS2.15 3945.00 Cycles TS2.16 3945.00 Cycles TS2.17 3945.00 Cycles TS2.18 3945.00 Cycles TS2.19 3945.00 Cycles TS2.20 3945.00 Cycles TS2.20 3945.00 Cycles
TS2.21 3945.00 Cycles
TS2.22 3945.00 Cycles
TS2.23 3945.00 Cycles
TS2.24 3945.00 Cycles
TS2.25 3945.00 Cycles
TS2.26 3945.00 Cycles
TS2.27 3945.00 Cycles
TS2.28 3945.00 Cycles
TS2.29 3945.00 Cycles
TS2.30 3945.00 Cycles
TS2.31 3945.00 Cycles
TS2.32 3945.00 Cycles
TS2.33 3945.00 Cycles
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TS2.34 3945.00 Cycles
TS2.34 3945.00 Cycles TS2.33 3945.00 Cycles TS2.34 3945.00 Cycles TS2.35 3945.00 Cycles TS2.36 3945.00 Cycles TS2.37 3945.00 Cycles TS2.38 3945.00 Cycles TS2.39 3945.00 Cycles TS2.39 3945.00 Cycles TS2.40 3945.00 Cycles TS2.40 3945.00 Cycles TS2.41 3945.00 Cycles TS2.42 3945.00 Cycles TS2.43 3945.00 Cycles TS2.44 3945.00 Cycles TS2.45 3945.00 Cycles TS2.46 3945.00 Cycles TS2.47 3945.00 Cycles TS2.48 3945.00 Cycles TS2.49 3945.00 Cycles TS2.50 3945.00 Cycles TS2.51 3945.00 Cycles TS2.52 3945.00 Cycles TS2.53 3945.00 Cycles TS2.53 3945.00 Cycles TS2.53 3945.00 Cycles TS2.53 3945.00 Cycles TS2.52 3945.00 Cycles TS2.53 3945.00 Cycles TS2.55 3945.00 Cycles TS2.55 3945.00 Cycles TS2.56 3945.00 Cycles TS2.57 3945.00 Cycles TS2.59 3945.00 Cycles TS2.59 3945.00 Cycles TS2.60 3945.00 Cycles TS2.61 3945.00 Cycles TS2.62 3945.00 Cycles TS2.63 3945.00 Cycles TS2.64 3945.00 Cycles TS2.65 3945.00 Cycles TS2.66 3945.00 Cycles TS2.66 3945.00 Cycles TS2.68 3945.00 Cycles TS2.69 3945.00 Cycles TS2.70 3945.00 Cycles TS2.71 3945.00 Cycles TS2.72 3945.00 Cycles TS2.72 3945.00 Cycles TS2.73 3945.00 Cycles TS2.74 3945.00 Cycles TS2.75 3945.00 Cycles TS2.76 3945.00 Cycles TS2.77 3945.00 Cycles TS2.78 3945.00 Cycles TS2.79 3945.00 Cycles TS2.80 3945.00 Cycles TS2.81 3945.00 Cycles TS2.82 3945.00 Cycles TS2.83 3945.00 Cycles TS2.83 3945.00 Cycles TS2.84 3945.00 Cycles TS2.85 3945.00 Cycles TS2.86 3945.00 Cycles TS2.87 3945.00 Cycles TS2.88 3945.00 Cycles TS2.89 3945.00 Cycles TS2.90 3945.00 Cycles TS2.91 3945.00 Cycles TS2.92 3945.00 Cycles TS2.93 3945.00 Cycles TS2.94 3945.00 Cycles TS2.95 3945.00 Cycles TS2.96 3945.00 Cycles TS2.97 3945.00 Cycles TS2.98 3945.00 Cycles TS2.99 3945.00 Cycles TS2.100 3945.00 Cycles



Description Vector Description:

TS 2.1All Min TS 2.2All Max TS 2.3k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32==>Min TS 2.4k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32==>Max TS 2.5k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32==>Pos TS 2.6k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32==>Default TS 2.7k_AutoCntrLoSpdTimer1VehSpd_kph_f32==>Min TS 2.8k_AutoCntrLoSpdTimer1VehSpd_kph_f32==>Max TS 2.8k_AutoCntrLoSpdTimer1VehSpd_kph_f32==>Max
TS 2.9k_AutoCntrLoSpdTimer1VehSpd_kph_f32==>Pos
TS 2.10k_AutoCntrLoSpdTimer1VehSpd_kph_f32==>Default
TS 2.10k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32==>Max
TS 2.11k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32==>Max
TS 2.12k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32==>Pos
TS 2.14k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32==>Default
TS 2.15k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32==>Default
TS 2.15k_AutoCntrLoSpdCntrWindow_HwDeg_f32==>Max
TS 2.16k_AutoCntrLoSpdCntrWindow_HwDeg_f32==>Pos
TS 2.17k_AutoCntrLoSpdCntrWindow_HwDeg_f32==>Pos
TS 2.18k_AutoCntrLoSpdCntrWindow_HwDeg_f32==>Default
TS 2.18k_AutoCntrLoSpdCntrWindow_HwDeg_f32==>Default
TS 2.18k_AutoCntrLoSpdCntrWindow_HwDeg_f32==>Default
TS 2.19k_AutoCntrLoSpdTimer1_mS_u16==>Min TS 2.10k_AutoCntrLoSpdTimer1_mS_u16==>Min
TS 2.20k_AutoCntrLoSpdTimer1_mS_u16==>Max
TS 2.20k_AutoCntrLoSpdTimer1_mS_u16==>Pos/Default
TS 2.22k_AutoCntrLoSpdTimer2_mS_u16==>Pos/Default
TS 2.22k_AutoCntrLoSpdTimer2_mS_u16==>Min
TS 2.23k_AutoCntrLoSpdTimer2_mS_u16==>Pos/Default
TS 2.24k_AutoCntrLoSpdTimer2_mS_u16==>Pos/Default TS 2.25k_AutoCntrLoSpdFilt1Kn_Hz_f32==>Min TS 2.26k_AutoCntrLoSpdFilt1Kn_Hz_f32==>Max TS 2.27k_AutoCntrLoSpdFilt1Kn_Hz_f32==>Pos TS 2.28k_AutoCntrLoSpdFilt2Kn_Hz_f32==>Min TS 2.29k_AutoCntrLoSpdFilt2Kn_Hz_f32==>Max
TS 2.30k_AutoCntrLoSpdFilt2Kn_Hz_f32==>Pos/Default
TS 2.31k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32==>Min TS 2.32k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32==>Max
TS 2.33k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32==>Pos TS 2.34k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32==>Deafult TS 2.35k_AutoCntrHiSpdTimer4VehSpd_kph_f32==>Min TS 2.36k_AutoCntrHiSpdTimer4VehSpd_kph_f32==>Max TS 2.37k_AutoCntrHiSpdTimer4VehSpd_kph_f32==>Pos TS 2.38k AutoCntrHiSpdTimer4VehSpd_kph_f32==>Default TS 2.39k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32==>Min TS 2.40k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32==>Max TS 2.41k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32==>Pos TS 2.42k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32==>Default TS 2.43k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32==>Min TS 2.44k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32==>Max TS 2.45k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32==>Pos TS 2.46k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32==>Default TS 2.47k_AutoCntrHiSpdTimer1_mS_u16==>Min TS 2.48k_AutoCntrHiSpdTimer1_mS_u16==>Max
TS 2.49k_AutoCntrHiSpdTimer1_mS_u16==>Pos/Default
TS 2.50k_AutoCntrHiSpdTimer4_mS_u16==>Min TS 2.51k_AutoCntrHiSpdTimer4_mS_u16==>Max TS 2.52k_AutoCntrHiSpdTimer4_mS_u16==>Pos/Default TS 2.53k AutoCntrHiSpdTimer1MtrVel MtrRadpS f32==>Min TS 2.54k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32==>Max
TS 2.55k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32==>Pos
TS 2.56k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32==>Default TS 2.57k AutoCntrHiSpdTimer1VehSpd_kph_f32==>Min TS 2.58k AutoCntrHiSpdTimer1VehSpd_kph_f32==>Min TS 2.59k_AutoCntrHiSpdTimer1VehSpd_kph_f32==>Pos TS 2.60k_AutoCntrHiSpdTimer1VehSpd_kph_f32==>Deafult TS 2.61k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32==>Min TS 2.62k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32==>Max TS 2.63k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32==>Pos TS 2.64k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32==>Deafult TS 2.65k_AutoCntrHiSpdCntrWindow_HwDeg_f32==>Min TS 2.66k_AutoCntrHiSpdCntrWindow_HwDeg_f32==>Max TS 2.67k_AutoCntrHiSpdCntrWindow_HwDeg_f32==>Pos TS 2.68k_AutoCntrHiSpdCntrWindow_HwDeg_f32==>Default TS 2.69k_AutoCntrHiSpdTimer2_mS_u16==>Min TS 2.70k_AutoCntrHiSpdTimer2_mS_u16==>Max TS 2.71k_AutoCntrHiSpdTimer2_mS_u16==>Pos/Default TS 2.72k_AutoCntrHiSpdFilt1Kn_Hz_f32==>Min TS 2.73k, AutoCntrHiSpdFilt1Kn, Hz, f32==>Max
TS 2.74k, AutoCntrHiSpdFilt1Kn, Hz, f32==>Pos/Default
TS 2.75k, AutoCntrHiSpdFilt2Kn, Hz, f32==>Min TS 2.76k_AutoCntrHiSpdFilt2Kn_Hz_f32==>Max TS 2.77k_AutoCntrHiSpdFilt2Kn_Hz_f32==>Pos TS 2.78k_AutoCntrPinTrqLPFCoeffKn_Hz_f32==>Min TS 2.78k_AutoCntrPinTrqLPFCoeffKn_Hz_f32==>Min
TS 2.79k_AutoCntrPinTrqLPFCoeffKn_Hz_f32==>Max
TS 2.80k_AutoCntrPinTrqLPFCoeffKn_Hz_f32==>Pos
TS 2.81VehDyn_PinTrqSV_M_Str.K==>Min
TS 2.82VehDyn_PinTrqSV_M_Str.K==>Max
TS 2.83VehDyn_PinTrqSV_M_Str.K==>Pos
TS 2.84Rte_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc = Min
TS 2.85Rte_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc = Max
TS 2.85Rte_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc = Max TS 2.86Ke_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_igc = Ma
TS 2.86K_SLPEnableBFCheck_Cnt_igc = Min
TS 2.87K_SLPEnableBFCheck_Cnt_igc = Max
TS 2.88K_SLPHwAuthority_Uls_f32 = Min
TS 2.89K_SLPHwAuthority_Uls_f32 = Min
TS 2.90K_SLPHwAuthority_Uls_f32 = Pos/Default
TS 2.91Rte_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 = Min TS 2.92Rte_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 = Max TS 2.93Rte_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 = Zero TS 2.94Rte_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 = Pos





TS 2.95Rte_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 = Neg TS 2.96k_AutoCntrHiSpdTimer2_mS_u16==>Pos TS 2.97k_AutoCntrHiSpdFilt1Kn_Hz_f32==>Min TS 2.98k_AutoCntrHiSpdFilt1Kn_Hz_f32==>Max TS 2.99Rte_Call_NxtrDiagMgr_GetNTCActive=Min TS 2.100 Rte_Call_NxtrDiagMgr_GetNTCActive=Max

| Test Step 2.1 (Repeat Count = 1) Name | Input Value | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| GetSystemTime_mS_u32(CurrentTime) | tgt_GetSystemTime_mS_u32_CurrentTime | |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc) | target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc | |
| Rte Inst Ap VehDyn | target_Rte_Inst_Ap_VehDyn_2 | |
| k AutoCntrHiSpdCntrWindow HwDeg f32 | 0 | |
| | 0.000199999995 | |
| k_AutoCntrHiSpdFilt1Kn_Hz_f32 | | |
| k_AutoCntrHiSpdFilt2Kn_Hz_f32 | 0.000199999995 | |
| k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32 | 0 | |
| k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32 | 0 | |
| k_AutoCntrHiSpdTimer1VehSpd_kph_f32 | 0 | |
| k_AutoCntrHiSpdTimer1_mS_u16 | 0 | |
| k_AutoCntrHiSpdTimer2_mS_u16 | 0 | |
| k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32 | 0 | |
| k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32 | 0 | |
| k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32 | 0 | |
| k_AutoCntrHiSpdTimer4VehSpd_kph_f32 | 0 | |
| k_AutoCntrHiSpdTimer4_mS_u16 | 0 | |
| k_AutoCntrLoSpdCntrWindow_HwDeg_f32 | 0 | |
| k_AutoCntrLoSpdFilt1Kn_Hz_f32 | 0.00019999995 | |
| k_AutoCntrLoSpdFilt2Kn_Hz_f32 | 0.00019999995 | |
| k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32 | 0 | |
| k AutoCntrLoSpdTimer1PinTrq HwNm f32 | 0 | |
| k AutoCntrLoSpdTimer1VehSpd kph f32 | 0 | |
| k_AutoCntrLoSpdTimer1_mS_u16 | 0 | |
| k_AutoCntrLoSpdTimer2_mS_u16 | 0 | |
| k AutoCntrPinTrqLPFCoeffKn Hz f32 | 0.000199999995 | |
| | 0 | |
| k_SLPEnableBFCheck_Cnt_lgc | 0 | |
| k_SLPHwAuthority_Uls_f32 | | |
| target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 | -1600 | |
| target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc | 0 | |
| target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc | 0 | |
| target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset | target_Pim_MotPosReset | |
| tgt_GetSystemTime_mS_u32_CurrentTime | 0 | |
| Name | Actual Value Expected Value | Resu |
| | Actual Value Expected Value | INCOL |
| | 0 0 ± 0.2 | rtcst |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | | Residence |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 0 0 ± 0.2 | Ites |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 0 0 ± 0.2 0 ± 0.5 | TC3 |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | $ \begin{array}{cccccccccccccccccccccccccccccccccccc$ | I CO |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | $ \begin{array}{cccccccccccccccccccccccccccccccccccc$ | |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | $ \begin{array}{cccccccccccccccccccccccccccccccccccc$ | The state of the s |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | $ \begin{array}{cccccccccccccccccccccccccccccccccccc$ | |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 0 0 ± 0.2 0 0 ± 0.5 0 0 ± 0.04 0 0 ± 0.0625 0 0 ± 2 0 0 ± 2 0 0 0 0 | |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | $ \begin{array}{cccccccccccccccccccccccccccccccccccc$ | |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | $\begin{array}{cccccccccccccccccccccccccccccccccccc$ | |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | $\begin{array}{cccccccccccccccccccccccccccccccccccc$ | |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | $\begin{array}{cccccccccccccccccccccccccccccccccccc$ | |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | $\begin{array}{cccccccccccccccccccccccccccccccccccc$ | |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | $\begin{array}{cccccccccccccccccccccccccccccccccccc$ | |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | $\begin{array}{cccccccccccccccccccccccccccccccccccc$ | |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.NelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | $\begin{array}{cccccccccccccccccccccccccccccccccccc$ | |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.NelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | $\begin{array}{cccccccccccccccccccccccccccccccccccc$ | |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2_Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | $\begin{array}{cccccccccccccccccccccccccccccccccccc$ | |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2_Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | $\begin{array}{cccccccccccccccccccccccccccccccccccc$ | |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | $\begin{array}{cccccccccccccccccccccccccccccccccccc$ | |
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| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.NtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.SitPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.NetPlynTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.NetPlynTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | $\begin{array}{cccccccccccccccccccccccccccccccccccc$ | |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.NtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer4_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer5_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer6_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer6_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer6_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer6_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer6_mS_u32 VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.NelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.NelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.NelHwPosFilt3SV_HwDeg_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | $\begin{array}{cccccccccccccccccccccccccccccccccccc$ | |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.WehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.WehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 0 0 0 ± 0.2 0 0 ± 0.5 0 0 ± 0.04 0 0 ± 0.0625 0 0 ± 2 0 0 0 ± 2 0 0 0 0 0 0 0 2.50339508e-006 2.51327106e-006 ± 1.25663627181805E-06 0 0 0 ± 0.0 0 0 0 ± 0.0 0 0 0 ± 0.0 0 0 0 0 0 0 0 2.50339508e-006 2.51327106e-006 ± 1.25663627181805E-06 0 0 0 ± 0.2 0 0 0 0 ± 0.5 0 0 0 0 ± 0.04 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.WehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.WehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.WehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.WehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | $\begin{array}{cccccccccccccccccccccccccccccccccccc$ | |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.WehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.NelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.WehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrL | 0 0 0 ± 0.2 0 0 ± 0.5 0 0 ± 0.04 0 0 ± 0.0625 0 0 ± 2 0 0 ± 2 0 0 0 0 0 0 0 2.50339508e-006 2.51327106e-006 ± 1.25663627181805E-06 0 0 0 0 ± 0.04 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.WehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.WehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | $\begin{array}{cccccccccccccccccccccccccccccccccccc$ | |



| T | | | | ✓ |
|---------------------------------------------|-------|---------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | ~ |
| GetSystemTime mS u32 | 1 | GetSystemTime mS u32 | 1 | ~ |

| Test Step 2.2 (Repeat Count = 1) Name | Input Value | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|
| GetSystemTime_mS_u32(CurrentTime) | tgt_GetSystemTime_mS_u32_CurrentTime | |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc) | target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc | |
| Rte_Inst_Ap_VehDyn | target Rte Inst Ap VehDyn 2 | |
| k AutoCntrHiSpdCntrWindow HwDeg f32 | 100 | |
| k AutoCntrHiSpdFilt1Kn Hz f32 | 0.100000001 | |
| k_AutoCntrHiSpdFilt2Kn_Hz_f32 | 0.100000001 | |
| k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32 | 700 | |
| - · · · · · · · · · · · · · · · · · · · | 20 | |
| k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32 | 255 | |
| k_AutoCntrHiSpdTimer1VehSpd_kph_f32 k_AutoCntrHiSpdTimer1_mS_u16 | 60000 | |
| k_AutoCntrHiSpdTimer1_mS_u16 k_AutoCntrHiSpdTimer2_mS_u16 | 60000 | |
| | | |
| <_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32 | 100 | |
| <_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32 | 700 | |
| <_AutoCntrHiSpdTimer4PinTrq_HwNm_f32 | 20 | |
| <_AutoCntrHiSpdTimer4VehSpd_kph_f32 | 255 | |
| c_AutoCntrHiSpdTimer4_mS_u16 | 60000 | |
| <_AutoCntrLoSpdCntrWindow_HwDeg_f32 | 100 | |
| k_AutoCntrLoSpdFilt1Kn_Hz_f32 | 0.100000001 | |
| k_AutoCntrLoSpdFilt2Kn_Hz_f32 | 0.100000001 | |
| <_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32 | 700 | |
| <_AutoCntrLoSpdTimer1PinTrq_HwNm_f32 | 20 | |
| x_AutoCntrLoSpdTimer1VehSpd_kph_f32 | 255 | |
| c_AutoCntrLoSpdTimer1_mS_u16 | 60000 | |
| x_AutoCntrLoSpdTimer2_mS_u16 | 60000 | |
| C_AutoCntrPinTrqLPFCoeffKn_Hz_f32 | 0.100000001 | |
| x_SLPEnableBFCheck_Cnt_lgc | 1 | |
| c_SLPHwAuthority_Uls_f32 | 1 | |
| arget_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 | 1600 | |
| arget_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc | 1 | |
| target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc | 1 | |
| target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset | target_Pim_MotPosReset | |
| tgt_GetSystemTime_mS_u32_CurrentTime | 4294967295 | |
| Name | Actual Value Expected Value | Res |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 700 ± 0.2 | |
| /ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 255 ± 0.5 | |
| /ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 20 ± 0.04 | |
| /ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 100 ± 0.0625 | |
| /ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 60000 ± 2 | |
| /ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 60000 60000 ± 2 | |
| . o 2, tate o bate pa_in_out | | |
| /ehDvn_AutoCntrDetSnd_M_str_Timer1_mS_u32 | 4294967295 4294967295 | |
| | 4294967295 4294967295 4294967295 | |
| /ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 4294967295 4294967295 | 3 |
| /ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 4294967295 4294967295 0.00125586987 0.00125584786 ± 1.25663627181805E-00 | |
| /ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 4294967295 4294967295 0.00125586987 0.00125584786 ± 1.25663627181805E-00 0.00125586987 0.00125584786 ± 1.25663627181805E-00 | |
| /ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 4294967295 4294967295 0.00125586987 0.00125584786 ± 1.25663627181805E-00 0.00125586987 0.00125584786 ± 1.25663627181805E-00 700 700 ± 0.2 | |
| /ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 /ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 4294967295 4294967295 0.00125586987 0.00125584786 ± 1.25663627181805E-00 0.00125586987 0.00125584786 ± 1.25663627181805E-00 700 700 ± 0.2 255 255 ± 0.5 | |
| /ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 /ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 /ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | $\begin{array}{cccccccccccccccccccccccccccccccccccc$ | |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 /ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 /ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 /ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | $\begin{array}{cccccccccccccccccccccccccccccccccccc$ | |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | $\begin{array}{cccccccccccccccccccccccccccccccccccc$ | |
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| /ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 /ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 /ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 /ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 /ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 /ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 /ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | $\begin{array}{cccccccccccccccccccccccccccccccccccc$ | |
| /ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 /ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 /ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 /ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 /ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 /ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 /ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 /ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 /ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | $\begin{array}{cccccccccccccccccccccccccccccccccccc$ | 5 |
| /ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 /ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 /ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 /ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 /ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 /ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 /ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 /ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 /ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | $\begin{array}{cccccccccccccccccccccccccccccccccccc$ | 3 |
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| /ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 /ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 /ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 /ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 /ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 /ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 /ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 /ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 /ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | $\begin{array}{cccccccccccccccccccccccccccccccccccc$ | 3 |
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| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | $\begin{array}{cccccccccccccccccccccccccccccccccccc$ | 5 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.NtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | $\begin{array}{cccccccccccccccccccccccccccccccccccc$ | 5 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.WtelSpd_M_str.RelHwPosFilt3SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLOSpd_M_str.WtelSpd_kph_f32 VehDyn_AutoCntrLOSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLOSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | $\begin{array}{cccccccccccccccccccccccccccccccccccc$ | 5 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.WtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | $\begin{array}{cccccccccccccccccccccccccccccccccccc$ | 5 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.WtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer3_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Wtvel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 4294967295 4294967295 0.00125586987 0.00125584786 ± 1.25663627181805E-00 0.00125586987 0.00125584786 ± 1.25663627181805E-00 700 700 ± 0.2 255 255 ± 0.5 20 20 ± 0.04 100 100 ± 0.0625 60000 60000 ± 2 60000 60000 ± 2 4294967295 4294967295 4294967295 0.00125584786 ± 1.25663627181805E-0 0.00125586987 0.00125584786 ± 1.25663627181805E-0 700 700 ± 0.2 255 255 ± 0.5 20 20 ± 0.04 100 100 ± 0.0625 60000 60000 ± 2 4294967295 4294967295 | 6 6 6 |

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VehDyn_Init1

| | Actual Value | Expected Value | Result |
|---------------------------------|---------------|--------------------------------------|----------|
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.00125586987 | 0.00125584786 ± 1.25663627181805E-06 | • |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0 | 0 | ~ |
| VehDyn_SLPHwPos_HwDeg_M_f32 | 0 | 0 | ✓ |





| Name | Actual Value | Expected Value | Result |
|----------------------------------------------------------------|-----------------|----------------------------------------|----------|
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 1720406272 | 1720406272 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 1720406272 | 1720406272 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000439703465 | 0.000439726253 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000816464424 | 0.000816480606 ± 1.25663627181805E-06 | ✓ |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 6.28232956e-005 | 6.28298803e-005 ± 1.25663627181805E-06 | • |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.00120000006 | 0.00120000006 | ✓ |
| VehDyn_SLPHwPos_HwDeg_M_f32 | 1425.14795 | 1425.14795 | • |

| T | | | | V |
|---------------------------------------------|-------|---------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ✓ |

| Test Step 2.4 (Repeat Count = 1) | Input Value | |
|------------------------------------------------------------------------|------------------------------------------------------------------------|----------|
| Name | Input Value | |
| GetSystemTime_mS_u32(CurrentTime) | tgt_GetSystemTime_mS_u32_CurrentTime | |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc) | target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc | |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn_2 | |
| k_AutoCntrHiSpdCntrWindow_HwDeg_f32 | 95.4768982 | |
| k_AutoCntrHiSpdFilt1Kn_Hz_f32 | 0.00899999961 | |
| k_AutoCntrHiSpdFilt2Kn_Hz_f32 | 0.00899999961 | |
| k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32 | 202.264374 | |
| k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32 | 16.9387646 | |
| k_AutoCntrHiSpdTimer1VehSpd_kph_f32 | 125.628113 | |
| k_AutoCntrHiSpdTimer1_mS_u16 | 27095 | |
| k_AutoCntrHiSpdTimer2_mS_u16 | 2222 | |
| k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32 | 45.5802307 | |
| k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32 | 107.436508 | |
| k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32 | 10.2259359 | |
| k_AutoCntrHiSpdTimer4VehSpd_kph_f32 | 172.71106 | |
| k_AutoCntrHiSpdTimer4_mS_u16 | 28327 | |
| k_AutoCntrLoSpdCntrWindow_HwDeg_f32 | 94.2382813 | |
| k_AutoCntrLoSpdFilt1Kn_Hz_f32 | 0.0560000017 | |
| k_AutoCntrLoSpdFilt2Kn_Hz_f32 | 0.0344000012 | |
| k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32 | 700 | |
| k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32 | 1.05551898 | |
| k_AutoCntrLoSpdTimer1VehSpd_kph_f32 | 69.8743896 | |
| k_AutoCntrLoSpdTimer1_mS_u16 | 43128 | |
| k_AutoCntrLoSpdTimer2_mS_u16 | 58869 | |
| k_AutoCntrPinTrqLPFCoeffKn_Hz_f32 | 0.00899999961 | |
| k_SLPEnableBFCheck_Cnt_lgc | 1. | |
| k_SLPHwAuthority_Uls_f32 | 0.00779999979 | |
| target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 | 1401.11499 | |
| target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc | 0 | |
| target Rte Call Ap VehDyn NxtrDiagMgr GetNTCActive NTCActive Ptr T Igc | 1 | |
| target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset | target_Pim_MotPosReset | |
| tgt_GetSystemTime_mS_u32_CurrentTime | 2659241984 | |
| Name | Actual Value Expected Value | Resu |
| VehDyn AutoCntrDetSpd M str.MtrVel MtrRadpS f32 | 107.436508 107.436508 ± 0.2 | Resul |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 172.71106 172.71106 ± 0.5 | |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 10.2259359 10.2259359 ± 0.04 | |
| | 10.2259359 ± 0.04 45.5802307 | |
| VehDyn_AutoCotrDetSpd_M_str.CntrWindow_HwDeg_f32 | 43.3802307 ± 0.0023 27095 27095 ± 2 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | | |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 28327 28327 ± 2 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 2659241984 2659241984 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 2659241984 2659241984 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000703454018 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000432193279 0.000432189729 ± 1.25663627181805E-0 | 6 |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 202.264374 202.264374 ± 0.2 | |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 125.628113 | |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 16.9387646 ± 0.04 | <u> </u> |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 95.4768982 95.4768982 ± 0.0625 | • |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 27095 27095 ± 2 | |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 2222 ± 2 | • |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 2659241984 2659241984 | |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 2659241984 2659241984 | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000113070011 0.000113090937 ± 1.25663627181805E-0 | 6 • |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000113070011 0.000113090937 ± 1.25663627181805E-0 | 6 |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 700 700 ± 0.2 | • |
| VehDyn AutoCntrLoSpd M str.VehSpd kph f32 | 69.8743896 ± 0.5 | |





| Name | Actual Value | Expected Value | Result |
|----------------------------------------------------------------|----------------|---------------------------------------|----------|
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 1.05551898 | 1.05551898 ± 0.04 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 94.2382813 | 94.2382813 ± 0.0625 | • |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 43128 | 43128 ± 2 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 58869 | 58869 ± 2 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 2659241984 | 2659241984 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 2659241984 | 2659241984 | • |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000703454018 | 0.00070346921 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000432193279 | 0.000432189729 ± 1.25663627181805E-06 | • |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000113070011 | 0.000113090937 ± 1.25663627181805E-06 | • |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0 | 0 | ~ |
| VehDyn_SLPHwPos_HwDeg_M_f32 | 0 | 0 | • |

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|---------------------------------------------|-------|---------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ✓ |

| Test Step 2.5 (Repeat Count = 1) Name | Input Value | |
|--------------------------------------------------------------------------------------------|------------------------------------------------------------------------|------|
| | · | |
| GetSystemTime_mS_u32(CurrentTime) | tgt_GetSystemTime_mS_u32_CurrentTime | |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc) | target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc | |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn_2 | |
| k_AutoCntrHiSpdCntrWindow_HwDeg_f32 | 33.3349724 | |
| k_AutoCntrHiSpdFilt1Kn_Hz_f32 | 0.0250000004 | |
| k_AutoCntrHiSpdFilt2Kn_Hz_f32 | 0.0299999993 | |
| k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32 | 59.5372696 | |
| k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32 | 4.59798193 | |
| k_AutoCntrHiSpdTimer1VehSpd_kph_f32 | 156.923325 | |
| k_AutoCntrHiSpdTimer1_mS_u16 | 55627 | |
| k_AutoCntrHiSpdTimer2_mS_u16 | 3333 | |
| k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32 | 35.0511017 | |
| x_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32 | 556.066528 | |
| <_AutoCntrHiSpdTimer4PinTrq_HwNm_f32 | 20 | |
| c_AutoCntrHiSpdTimer4VehSpd_kph_f32 | 255 | |
| <_AutoCntrHiSpdTimer4_mS_u16 | 4578 | |
| _AutoCntrLoSpdCntrWindow_HwDeg_f32 | 100 | |
| c_AutoCntrLoSpdFilt1Kn_Hz_f32 | 0.0670000017 | |
| _AutoCntrLoSpdFilt2Kn_Hz_f32 | 0.0458000004 | |
| <_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32 | 182.050003 | |
| _AutoCntrLoSpdTimer1PinTrq_HwNm_f32 | 10.878334 | |
| <_AutoCntrLoSpdTimer1VehSpd_kph_f32 | 223.371994 | |
| c_AutoCntrLoSpdTimer1_mS_u16 | 53759 | |
| AutoCntrLoSpdTimer2 mS u16 | 18715 | |
| k_AutoCntrPinTrqLPFCoeffKn_Hz_f32 | 0.0250000004 | |
| k SLPEnableBFCheck Cnt lgc | 0 | |
| k SLPHwAuthority Uls f32 | 0.0143999998 | |
| target Pim MotPosReset.NVMStoredLastPos HwDeg f32 | 1377.08203 | |
| arget Pim MotPosReset.NVMStoredLastPosValid Cnt Igc | 1 | |
| rarget_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc | 0 | |
| rarget_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset | target_Pim_MotPosReset | |
| gt_GetSystemTime_mS_u32_CurrentTime | 2942063360 | |
| | | l |
| Name | Actual Value Expected Value | Resi |
| /ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 556.066528 556.066528 ± 0.2 | |
| /ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 255 255 ± 0.5 | |
| /ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 20 ± 0.04 | |
| /ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 35.0511017 35.0511017 ± 0.0625 | |
| /ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 55627 55627 ± 2 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 4578 ± 2 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 2942063360 2942063360 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 2942063360 2942063360 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000841617584 0.000841592497 ± 1.25663627181805E-06 | |
| /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000575363636 | |
| /ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 59.5372696 59.5372696 ± 0.2 | |
| /ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 156.923325 156.923325 ± 0.5 | |
| /ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 4.59798193 4.59798193 ± 0.04 | |
| /ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 33.3349724 ± 0.0625 | |
| /ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 55627 ± 2 | |
| | 3333 ± 2 | |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | | |
| VenDyn_AutoCntrHiSpd_M_str.Timer2+firesn_fils_u+6 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 2942063360 2942063360 | |





| Name | Actual Value | Expected Value | Result |
|----------------------------------------------------------------|----------------|---------------------------------------|----------|
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000314116478 | 0.00031410993 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000376939774 | 0.00037692007 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 182.050003 | 182.050003 ± 0.2 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 223.371994 | 223.371994 ± 0.5 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 10.878334 | 10.878334 ± 0.04 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 100 | 100 ± 0.0625 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 53759 | 53759 ± 2 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 18715 | 18715 ± 2 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 2942063360 | 2942063360 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 2942063360 | 2942063360 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000841617584 | 0.000841592497 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000575363636 | 0.000575374172 ± 1.25663627181805E-06 | ✓ |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000314116478 | 0.00031410993 ± 1.25663627181805E-06 | ~ |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.0143999998 | 0.0143999998 | ✓ |
| VehDyn SLPHwPos HwDeg M f32 | 1377.08203 | 1377.08203 | ✓ |

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|---------------------------------------------|-------|---------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ✓ |

| Name | Input Value | |
|------------------------------------------------------------------------|------------------------------------------------------------------------|------|
| GetSystemTime mS u32(CurrentTime) | tgt GetSystemTime mS u32 CurrentTime | |
| Rte Call Ap VehDyn NxtrDiagMgr GetNTCActive(NTCActive Ptr T lgc) | target Rte Call Ap VehDyn NxtrDiagMgr GetNTCActive NTCActive Ptr T Igc | |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn_2 | |
| k AutoCntrHiSpdCntrWindow HwDeg f32 | 85.3555756 | |
| k AutoCntrHiSpdFilt1Kn Hz f32 | 0.00200000009 | |
| k AutoCntrHiSpdFilt2Kn Hz f32 | 0.00899999961 | |
| k AutoCntrHiSpdTimer1MtrVel MtrRadpS f32 | 192.424347 | |
| k AutoCntrHiSpdTimer1PinTrq HwNm f32 | 1.4601928 | |
| k_AutoCntrHiSpdTimer1VehSpd_kph_f32 | 193.415466 | |
| k_AutoCntrHiSpdTimer1_mS_u16 | 37774 | |
| k AutoCntrHiSpdTimer2 mS u16 | 19998 | |
| | 50.4557152 | |
| k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32 | 578.624756 | |
| k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32 | | |
| k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32 | 10.2086525 | |
| k_AutoCntrHiSpdTimer4VehSpd_kph_f32 | 182.197632 | |
| k_AutoCntrHiSpdTimer4_mS_u16 | 27106 | |
| k_AutoCntrLoSpdCntrWindow_HwDeg_f32 | 56.4612427 | |
| k_AutoCntrLoSpdFilt1Kn_Hz_f32 | 0.00899999961 | |
| k_AutoCntrLoSpdFilt2Kn_Hz_f32 | 0.00899999961 | |
| k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32 | 30 | |
| k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32 | 3 | |
| k_AutoCntrLoSpdTimer1VehSpd_kph_f32 | 123.501587 | |
| k_AutoCntrLoSpdTimer1_mS_u16 | 29729 | |
| k_AutoCntrLoSpdTimer2_mS_u16 | 2000 | |
| k_AutoCntrPinTrqLPFCoeffKn_Hz_f32 | 0.00200000009 | |
| k_SLPEnableBFCheck_Cnt_lgc | 1 | |
| k_SLPHwAuthority_Uls_f32 | 0.113399997 | |
| target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 | 1016.58698 | |
| target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc | 0 | |
| target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc | 1 | |
| target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset | target_Pim_MotPosReset | |
| tgt_GetSystemTime_mS_u32_CurrentTime | 2728878080 | |
| Name | Actual Value Expected Value | Resu |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 578.624756 ± 0.2 | |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 182.197632 | |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 10.2086525 ± 0.04 | |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 50.4557152 50.4557152 ± 0.0625 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 37774 ± 2 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 27106 ± 2 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 2728878080 2728878080 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 2728878080 2728878080 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000113070011 0.000113090937 ± 1.25663627181805E- | 06 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000113070011 0.000113090937 ± 1.25663627181805E- | 06 |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 192.424347 192.424347 ± 0.2 | |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 193.415466 ± 0.5 | |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 1.4601928 | |
| VehDyn AutoCntrHiSpd M str.CntrWindow HwDeg f32 | 85.3555756 ± 0.0625 | |

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VehDyn_Init1



| Name | Actual Value | Expected Value | Result |
|----------------------------------------------------------------|-----------------|----------------------------------------|--------|
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 37774 | 37774 ± 2 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 19998 | 19998 ± 2 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 2728878080 | 2728878080 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 2728878080 | 2728878080 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 2.51531601e-005 | 2.51324254e-005 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000113070011 | 0.000113090937 ± 1.25663627181805E-06 | • |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 30 | 30 ± 0.2 | • |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 123.501587 | 123.501587 ± 0.5 | • |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 3 | 3 ± 0.04 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 56.4612427 | 56.4612427 ± 0.0625 | • |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 29729 | 29729 ± 2 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 2000 | 2000 ± 2 | • |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 2728878080 | 2728878080 | • |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 2728878080 | 2728878080 | • |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000113070011 | 0.000113090937 ± 1.25663627181805E-06 | • |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000113070011 | 0.000113090937 ± 1.25663627181805E-06 | • |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 2.51531601e-005 | 2.51324254e-005 ± 1.25663627181805E-06 | ~ |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0 | 0 | ~ |
| VehDyn_SLPHwPos_HwDeg_M_f32 | 0 | 0 | • |

| Test Step 2.7 (Repeat Count = 1) | | ✓ |
|------------------------------------------------------------------------|------------------------------------------------------------------------|----------|
| Name | Input Value | |
| GetSystemTime_mS_u32(CurrentTime) | tgt_GetSystemTime_mS_u32_CurrentTime | |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc) | target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc | |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn_2 | |
| k_AutoCntrHiSpdCntrWindow_HwDeg_f32 | 96.3896027 | |
| k_AutoCntrHiSpdFilt1Kn_Hz_f32 | 0.063000001 | |
| k_AutoCntrHiSpdFilt2Kn_Hz_f32 | 0.0458000004 | |
| k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32 | 498.457764 | |
| k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32 | 20 | |
| k AutoCntrHiSpdTimer1VehSpd kph f32 | 153.084564 | |
| k AutoCntrHiSpdTimer1 mS u16 | 26438 | |
| k AutoCntrHiSpdTimer2 mS u16 | 4444 | |
| k AutoCntrHiSpdTimer4CntrWindow HwDeg f32 | 4.91284609 | |
| k AutoCntrHiSpdTimer4MtrVel MtrRadpS f32 | 300.483093 | |
| k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32 | 0.609106064 | |
| k AutoCntrHiSpdTimer4VehSpd kph f32 | 97.2060852 | |
| k AutoCntrHiSpdTimer4 mS u16 | 14136 | |
| k AutoCntrLoSpdCntrWindow HwDeg f32 | 84.7982025 | |
| k AutoCntrLoSpdFilt1Kn Hz f32 | 0.00600000005 | |
| k AutoCntrLoSpdFilt2Kn Hz f32 | 0.00499999989 | |
| k AutoCntrLoSpdTimer1MtrVel MtrRadpS f32 | 202 | |
| k AutoCntrLoSpdTimer1PinTrq HwNm f32 | 15.8976202 | |
| k AutoCntrLoSpdTimer1VehSpd kph f32 | 0 | |
| k AutoCntrLoSpdTimer1 mS u16 | 13352 | |
| k AutoCntrLoSpdTimer2 mS u16 | 14442 | |
| k AutoCntrPinTrqLPFCoeffKn Hz f32 | 0.063000001 | |
| k SLPEnableBFCheck Cnt lgc | 1 | |
| k SLPHwAuthority Uls f32 | 0.0209999997 | |
| target Pim MotPosReset.NVMStoredLastPos HwDeg f32 | 1353.04895 | |
| target Pim MotPosReset.NVMStoredLastPosValid Cnt Igc | 0 | |
| target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc | 1 | |
| target Rte Inst Ap VehDyn 2.Pim MotPosReset | target Pim MotPosReset | |
| | 1117112832 | |
| tgt_GetSystemTime_mS_u32_CurrentTime | | 1 |
| Name | Actual Value Expected Value | Result |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 300.483093 300.483093 ± 0.2 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 97.2060852 97.2060852 ± 0.5 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 0.609106064 ± 0.04 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 4.91284609 4.91284609 ± 0.0625 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 26438 ± 2 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 14136 ± 2 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 1117112832 1117112832 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 1117112832 1117112832 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 7.53998756e-005 7.53953791e-005 ± 1.25663627181805E-06 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E-06 | |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 498.457764 498.457764 ± 0.2 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 153.084564 153.084564 ± 0.5 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 20 20 ± 0.04 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 96.3896027 96.3896027 ± 0.0625 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 26438 ± 2 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 4444 ± 2 | ~ |
| © Report created by TESSY V3.1.12, report template V2.1 | | 15 |





| Name | Actual Value | Expected Value | Result |
|----------------------------------------------------------------|-----------------|----------------------------------------|----------|
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 1117112832 | 1117112832 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 1117112832 | 1117112832 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000791370869 | 0.000791368075 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000575363636 | 0.000575374172 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 202 | 202 ± 0.2 | - |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 0 | 0 ± 0.5 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 15.8976202 | 15.8976202 ± 0.04 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 84.7982025 | 84.7982025 ± 0.0625 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 13352 | 13352 ± 2 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 14442 | 14442 ± 2 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 1117112832 | 1117112832 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 1117112832 | 1117112832 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 7.53998756e-005 | 7.53953791e-005 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 6.28232956e-005 | 6.28298803e-005 ± 1.25663627181805E-06 | ✓ |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000791370869 | 0.000791368075 ± 1.25663627181805E-06 | ~ |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0 | 0 | ~ |
| VehDyn_SLPHwPos_HwDeg_M_f32 | 0 | 0 | ~ |

| T | | | | V |
|---------------------------------------------|-------|---------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ✓ |

| Test Step 2.8 (Repeat Count = 1) | | | |
|-----------------------------------------------------------------------|------------------------------------------------------------------------|------|--|
| Name | Input Value | | |
| GetSystemTime_mS_u32(CurrentTime) | tgt_GetSystemTime_mS_u32_CurrentTime | | |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc) | target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc | | |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn_2 | | |
| k_AutoCntrHiSpdCntrWindow_HwDeg_f32 | 94.2766724 | | |
| k_AutoCntrHiSpdFilt1Kn_Hz_f32 | 0.00600000005 | | |
| k_AutoCntrHiSpdFilt2Kn_Hz_f32 | 0.0049999989 | | |
| k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32 | 332.416168 | | |
| k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32 | 6.68982124 | | |
| k_AutoCntrHiSpdTimer1VehSpd_kph_f32 | 198.46022 | | |
| k_AutoCntrHiSpdTimer1_mS_u16 | 46033 | | |
| k_AutoCntrHiSpdTimer2_mS_u16 | 5555 | | |
| k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32 | 97.4420471 | | |
| k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32 | 381.251129 | | |
| k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32 | 20 | | |
| k_AutoCntrHiSpdTimer4VehSpd_kph_f32 | 93.5331573 | | |
| k_AutoCntrHiSpdTimer4_mS_u16 | 1778 | | |
| <_AutoCntrLoSpdCntrWindow_HwDeg_f32 | 41.3416519 | | |
| <_AutoCntrLoSpdFilt1Kn_Hz_f32 | 0.00779999979 | | |
| <_AutoCntrLoSpdFilt2Kn_Hz_f32 | 0.00899999961 | | |
| <_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32 | 211 | | |
| <_AutoCntrLoSpdTimer1PinTrq_HwNm_f32 | 16.8140659 | | |
| k_AutoCntrLoSpdTimer1VehSpd_kph_f32 | 255 | | |
| k_AutoCntrLoSpdTimer1_mS_u16 | 21364 | | |
| k_AutoCntrLoSpdTimer2_mS_u16 | 52716 | | |
| k_AutoCntrPinTrqLPFCoeffKn_Hz_f32 | 0.00600000005 | | |
| k_SLPEnableBFCheck_Cnt_lgc | 0 | | |
| x_SLPHwAuthority_Uls_f32 | 0.0275999997 | | |
| arget_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 | 1329.01599 | | |
| arget_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc | 1 | | |
| arget_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc | 1 | | |
| arget_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset | target_Pim_MotPosReset | | |
| tgt_GetSystemTime_mS_u32_CurrentTime | 1736795392 | | |
| Name | Actual Value Expected Value | Resu | |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 381,251129 381,251129 ± 0,2 | | |
| VehDyn AutoCntrDetSpd M str.VehSpd kph f32 | 93.5331573 93.5331573 ± 0.5 | | |
| VehDyn AutoCntrDetSpd M str.FiltPinTrg HwNm f32 | 20 ± 0.04 | | |
| VehDyn AutoCntrDetSpd M str.CntrWindow HwDeg f32 | 97.4420471 97.4420471 ± 0.0625 | | |
| VehDyn AutoCntrDetSpd M str.Timer1Thresh mS u16 | 46033 46033 ± 2 | | |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 1778 1778 ± 2 | | |
| VehDyn AutoCntrDetSpd M str.Timer1 mS u32 | 1736795392 1736795392 | | |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 1736795392 1736795392 | | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 9.7990036e-005 9.80128898e-005 ± 1.25663627181805E-0 | | |
| VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32 | 0.000113070011 0.000113090937 ± 1.25663627181805E-06 | - | |
| , | | | |
| VehDyn AutoCntrHiSpd M str.MtrVel MtrRadpS f32 | 332.416168 ± 0.2 | | |





| Name | Actual Value | Expected Value | Result |
|----------------------------------------------------------------|-----------------|----------------------------------------|--------|
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 6.68982124 | 6.68982124 ± 0.04 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 94.2766724 | 94.2766724 ± 0.0625 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 46033 | 46033 ± 2 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 5555 | 5555 ± 2 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 1736795392 | 1736795392 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 1736795392 | 1736795392 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 7.53998756e-005 | 7.53953791e-005 ± 1.25663627181805E-06 | • |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 6.28232956e-005 | 6.28298803e-005 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 211 | 211 ± 0.2 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 255 | 255 ± 0.5 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 16.8140659 | 16.8140659 ± 0.04 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 41.3416519 | 41.3416519 ± 0.0625 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 21364 | 21364 ± 2 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 52716 | 52716 ± 2 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 1736795392 | 1736795392 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 1736795392 | 1736795392 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 9.7990036e-005 | 9.80128898e-005 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000113070011 | 0.000113090937 ± 1.25663627181805E-06 | ~ |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 7.53998756e-005 | 7.53953791e-005 ± 1.25663627181805E-06 | ~ |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.0275999997 | 0.0275999997 | ~ |
| VehDyn_SLPHwPos_HwDeg_M_f32 | 1329.01599 | 1329.01599 | ~ |

| Τ | | | | ✓ |
|---------------------------------------------|-------|---------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ✓ |

| Name | Input Value | | |
|------------------------------------------------------------------------|------------------------------------------------------------------------|--------------------|-------|
| GetSystemTime mS u32(CurrentTime) | tgt GetSystemTime mS u32 Curr | entTime | |
| Rte Call Ap VehDyn NxtrDiagMgr GetNTCActive(NTCActive Ptr T lgc) | target Rte Call Ap VehDyn NxtrDiagMgr GetNTCActive NTCActive Ptr T lgc | | |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn_2 | | |
| k AutoCntrHiSpdCntrWindow HwDeg f32 | 88.6500702 | | |
| k AutoCntrHiSpdFilt1Kn Hz f32 | 0.00779999979 | | |
| k_AutoCntrHiSpdFilt2Kn_Hz_f32 | 0.00899999961 | | |
| k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32 | 138.568741 | | |
| k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32 | 6.97866201 | | |
| k_AutoCntrHiSpdTimer1VehSpd_kph_f32 | 72.755127 | | |
| k_AutoCntrHiSpdTimer1_mS_u16 | 7415 | | |
| k_AutoCntrHiSpdTimer2_mS_u16 | 6666 | | |
| k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32 | 59.698616 | | |
| k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32 | 50.0811806 | | |
| k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32 | 17.8322964 | | |
| k_AutoCntrHiSpdTimer4VehSpd_kph_f32 | 117.223816 | | |
| k_AutoCntrHiSpdTimer4_mS_u16 | 16156 | | |
| k_AutoCntrLoSpdCntrWindow_HwDeg_f32 | 81.3328171 | | |
| k_AutoCntrLoSpdFilt1Kn_Hz_f32 | 0.00899999961 | | |
| k_AutoCntrLoSpdFilt2Kn_Hz_f32 | 0.0250000004 | | |
| k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32 | 543 | | |
| k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32 | 6.82931423 | | |
| k_AutoCntrLoSpdTimer1VehSpd_kph_f32 | 199.050003 | | |
| k_AutoCntrLoSpdTimer1_mS_u16 | 33198 | | |
| k_AutoCntrLoSpdTimer2_mS_u16 | 7778 | | |
| k_AutoCntrPinTrqLPFCoeffKn_Hz_f32 | 0.00779999979 | | |
| k_SLPEnableBFCheck_Cnt_lgc | 1 | | |
| k_SLPHwAuthority_UIs_f32 | 0.0342000015 | | |
| target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 | 1304.98303 | | |
| target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc | 0 | | |
| target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc | 0 | | |
| target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset | target_Pim_MotPosReset | | |
| tgt_GetSystemTime_mS_u32_CurrentTime | 3437401088 | | |
| Name | Actual Value | Expected Value | Resul |
| VehDyn AutoCntrDetSpd M str.MtrVel MtrRadpS f32 | 50.0811806 | 50.0811806 ± 0.2 | |
| VehDyn AutoCntrDetSpd M str.VehSpd kph f32 | 117.223816 | 117.223816 ± 0.5 | |
| VehDyn AutoCntrDetSpd M str.FiltPinTrg HwNm f32 | 17.8322964 | 17.8322964 ± 0.04 | |
| VehDyn AutoCntrDetSpd M str.CntrWindow HwDeg f32 | 59.698616 | 59.698616 ± 0.0625 | |
| VehDyn AutoCntrDetSpd M str.Timer1Thresh mS u16 | 7415 | 7415 ± 2 | |
| VehDyn AutoCntrDetSpd M str.Timer2Thresh mS u16 | 16156 | 16156 ± 2 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 3437401088 | 3437401088 | |
| VehDyn AutoCntrDetSpd M str.Timer2 mS u32 | 3437401088 | 3437401088 | |





| Name | Actual Value | Expected Value | Result |
|-----------------------------------------------------------------|----------------|----------------------------------------|----------|
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000113070011 | 0.000113090937 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000314116478 | 0.00031410993 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 138.568741 | 138.568741 ± 0.2 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 72.755127 | 72.755127 ± 0.5 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 6.97866201 | 6.97866201 ± 0.04 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 88.6500702 | 88.6500702 ± 0.0625 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 7415 | 7415 ± 2 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 6666 | 6666 ± 2 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 3437401088 | 3437401088 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 3437401088 | 3437401088 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 9.7990036e-005 | 9.80128898e-005 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000113070011 | 0.000113090937 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 543 | 543 ± 0.2 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 199.050003 | 199.050003 ± 0.5 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 6.82931423 | 6.82931423 ± 0.04 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 81.3328171 | 81.3328171 ± 0.0625 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 33198 | 33198 ± 2 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 7778 | 7778 ± 2 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 3437401088 | 3437401088 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 3437401088 | 3437401088 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000113070011 | 0.000113090937 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000314116478 | 0.00031410993 ± 1.25663627181805E-06 | ~ |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 9.7990036e-005 | 9.80128898e-005 ± 1.25663627181805E-06 | ~ |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0 | 0 | ~ |
| VehDyn_SLPHwPos_HwDeg_M_f32 | 0 | 0 | ~ |

| Т | | | | |
|---------------------------------------------|-------|---------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | • |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ✓ |

| Test Step 2.10 (Repeat Count = 1) | | | ~ |
|------------------------------------------------------------------------|----------------------------------------|-----------------------------------|----------|
| Name | Input Value | | |
| GetSystemTime_mS_u32(CurrentTime) | tgt_GetSystemTime_mS_u32_CurrentTime | | |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc) | target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_ | _GetNTCActive_NTCActive_Ptr_T_lgc | |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn_2 | | |
| k_AutoCntrHiSpdCntrWindow_HwDeg_f32 | 65.7764893 | | |
| k_AutoCntrHiSpdFilt1Kn_Hz_f32 | 0.0250000004 | | |
| k_AutoCntrHiSpdFilt2Kn_Hz_f32 | 0.0320999995 | | |
| k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32 | 152.768814 | | |
| k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32 | 15.771925 | | |
| k_AutoCntrHiSpdTimer1VehSpd_kph_f32 | 73.3210144 | | |
| k_AutoCntrHiSpdTimer1_mS_u16 | 14150 | | |
| k_AutoCntrHiSpdTimer2_mS_u16 | 13332 | | |
| k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32 | 89.3387299 | | |
| k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32 | 668.902588 | | |
| k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32 | 20 | | |
| k_AutoCntrHiSpdTimer4VehSpd_kph_f32 | 32.1202698 | | |
| k_AutoCntrHiSpdTimer4_mS_u16 | 40995 | | |
| k_AutoCntrLoSpdCntrWindow_HwDeg_f32 | 67.0500031 | | |
| k_AutoCntrLoSpdFilt1Kn_Hz_f32 | 0.063000001 | | |
| k_AutoCntrLoSpdFilt2Kn_Hz_f32 | 0.039999991 | | |
| k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32 | 290 | | |
| k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32 | 8.74961567 | | |
| k_AutoCntrLoSpdTimer1VehSpd_kph_f32 | 20 | | |
| k_AutoCntrLoSpdTimer1_mS_u16 | 3658 | | |
| k_AutoCntrLoSpdTimer2_mS_u16 | 5853 | | |
| k_AutoCntrPinTrqLPFCoeffKn_Hz_f32 | 0.0250000004 | | |
| k_SLPEnableBFCheck_Cnt_lgc | 1 | | |
| k_SLPHwAuthority_UIs_f32 | 0.0737999976 | | |
| target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 | 1160.78503 | | |
| target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc | 0 | | |
| target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc | 1 | | |
| target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset | target_Pim_MotPosReset | | |
| tgt_GetSystemTime_mS_u32_CurrentTime | 4243378688 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 668.902588 | 668.902588 ± 0.2 | - |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 32.1202698 | 32.1202698 ± 0.5 | • |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 20 | 20 ± 0.04 | • |
| VehDyn AutoCntrDetSpd M str.CntrWindow HwDeg f32 | 89.3387299 | 89.3387299 ± 0.0625 | ✓ |





| Name | Actual Value | Expected Value | Result |
|-----------------------------------------------------------------|----------------|---------------------------------------|----------|
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 14150 | 14150 ± 2 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 40995 | 40995 ± 2 | • |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 4243378688 | 4243378688 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 4243378688 | 4243378688 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000791370869 | 0.000791368075 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.00050252676 | 0.000502528506 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 152.768814 | 152.768814 ± 0.2 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 73.3210144 | 73.3210144 ± 0.5 | • |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 15.771925 | 15.771925 ± 0.04 | • |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 65.7764893 | 65.7764893 ± 0.0625 | • |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 14150 | 14150 ± 2 | • |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 13332 | 13332 ± 2 | • |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 4243378688 | 4243378688 | • |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 4243378688 | 4243378688 | • |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000314116478 | 0.00031410993 ± 1.25663627181805E-06 | • |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000403285027 | 0.000403299142 ± 1.25663627181805E-06 | • |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 290 | 290 ± 0.2 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 20 | 20 ± 0.5 | • |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 8.74961567 | 8.74961662 ± 0.04 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 67.0500031 | 67.0500031 ± 0.0625 | • |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 3658 | 3658 ± 2 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 5853 | 5853 ± 2 | • |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 4243378688 | 4243378688 | • |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 4243378688 | 4243378688 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000791370869 | 0.000791368075 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.00050252676 | 0.000502528506 ± 1.25663627181805E-06 | • |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000314116478 | 0.00031410993 ± 1.25663627181805E-06 | ~ |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0 | 0 | ~ |
| VehDyn_SLPHwPos_HwDeg_M_f32 | 0 | 0 | ~ |

| T | | | | |
|---------------------------------------------|-------|---------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ✓ |





| Test Step 2.11 (Repeat Count = 1) | | V |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| Name | Input Value | |
| GetSystemTime_mS_u32(CurrentTime) | tgt_GetSystemTime_mS_u32_CurrentTime | |
| Rte Call Ap VehDyn NxtrDiagMgr GetNTCActive(NTCActive Ptr T lgc) | target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc | |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn_2 | |
| k_AutoCntrHiSpdCntrWindow_HwDeg_f32 | 8.86355877 | |
| k_AutoCntrHiSpdFilt1Kn_Hz_f32 | 0.00899999961 | |
| k_AutoCntrHiSpdFilt2Kn_Hz_f32 | 0.0250000004 | |
| k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32 | 123.465202 | |
| k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32 | 10.8994331 | |
| k_AutoCntrHiSpdTimer1VehSpd_kph_f32 | 82.6047821 | |
| k_AutoCntrHiSpdTimer1_mS_u16 | 14014 | |
| k_AutoCntrHiSpdTimer2_mS_u16 | 7777 | |
| k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32 | 27.8338795 | |
| k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32 | 39.6259003 | |
| k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32 | 6.01894903 | |
| k_AutoCntrHiSpdTimer4VehSpd_kph_f32 | 184.136215 | |
| k_AutoCntrHiSpdTimer4_mS_u16 | 22354 | |
| k_AutoCntrLoSpdCntrWindow_HwDeg_f32 | 99.932251 | |
| k_AutoCntrLoSpdFilt1Kn_Hz_f32 | 0.029999993 | |
| k_AutoCntrLoSpdFilt2Kn_Hz_f32 | 0.063000001 | |
| k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32 | 9 | |
| k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32 | 0 | |
| k_AutoCntrLoSpdTimer1VehSpd_kph_f32 | 65.6970062 | |
| k_AutoCntrLoSpdTimer1_mS_u16 | 21335 | |
| k_AutoCntrLoSpdTimer2_mS_u16 | 34188 | |
| k_AutoCntrPinTrqLPFCoeffKn_Hz_f32 | 0.00899999961 | |
| k_SLPEnableBFCheck_Cnt_lgc | 0 | |
| k_SLPHwAuthority_Uls_f32 | 0.0408000015 | |
| target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 | 1280.94995 | |
| target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_Igc | 1 | |
| target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc | 0 | |
| target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset | target_Pim_MotPosReset | |
| tgt_GetSystemTime_mS_u32_CurrentTime | 3494315776 | - · |
| Name | Actual Value Expected Value | Result |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 39.6259003 39.6259003 ± 0.2 | |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 184.136215 184.136215 ± 0.5 6.01894903 6.01894903 ± 0.04 | |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 6.01894903 6.01894903 ± 0.04 27.8338795 27.8338795 ± 0.0625 | |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 27.0536795 ± 0.0025 14014 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 14014 14±2 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 22354 ± 2 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_ms_us2 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_us2 | 22354 22354 ± 2 | • |
| , = | 3494315776 3494315776 | · · |
| VohDyn AutoCatrDotSad M. etr PolHwPosEilt1SV, HwDog, etr K. Ille, f32 | 3494315776 3494315776 3494315776 3494315776 | 7 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDog_str.K_Uls_f32 | 3494315776 3494315776 3494315776 3494315776 0.000376939774 0.00037692007 ± 1.25663627181805E-06 | • |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 3494315776 3494315776 3494315776 3494315776 0.000376939774 0.00037692007 ± 1.25663627181805E-06 0.000791370869 0.000791368075 ± 1.25663627181805E-0 | • |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 3494315776 3494315776 3494315776 3494315776 0.000376939774 0.00037692007 ± 1.25663627181805E-06 0.000791370869 0.000791368075 ± 1.25663627181805E-0 123.465202 123.465202 ± 0.2 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 3494315776 3494315776 3494315776 3494315776 0.000376939774 0.00037692007 ± 1.25663627181805E-06 0.000791370869 0.000791368075 ± 1.25663627181805E-0 123.465202 123.465202 ± 0.2 82.6047821 82.6047821 ± 0.5 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 3494315776 3494315776 3494315776 3494315776 0.000376939774 0.00037692007 ± 1.25663627181805E-06 0.000791370869 0.000791368075 ± 1.25663627181805E-0 123.465202 123.465202 ± 0.2 82.6047821 82.6047821 ± 0.5 10.8994331 10.8994331 ± 0.04 | 5 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 3494315776 3494315776 3494315776 3494315776 0.000376939774 0.00037692007 ± 1.25663627181805E-06 0.000791370869 0.000791368075 ± 1.25663627181805E-0 123.465202 123.465202 ± 0.2 82.6047821 82.6047821 ± 0.5 10.8994331 10.8994331 ± 0.04 8.86355877 8.86355877 ± 0.0625 | 3 |
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| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 3494315776 3494315776 3494315776 3494315776 0.000376939774 0.00037692007 ± 1.25663627181805E-06 0.000791370869 0.000791368075 ± 1.25663627181805E-0 123.465202 123.465202 ± 0.2 82.6047821 82.6047821 ± 0.5 10.8994331 10.8994331 ± 0.04 8.86355877 8.86355877 ± 0.0625 14014 14014 ± 2 7777 7777 ± 2 3494315776 3494315776 0.000113070011 0.000113090937 ± 1.25663627181805E-0 0.000314116478 0.00031410993 ± 1.25663627181805E-06 9 9 ± 0.2 65.6970062 65.6970062 ± 0.5 0 0 ± 0.04 99.932251 99.932251 ± 0.0625 21335 21335 ± 2 34188 34188 ± 2 3494315776 3494315776 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.WtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.WtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 3494315776 3494315776 3494315776 3494315776 0.000376939774 0.00037692007 ± 1.25663627181805E-06 0.000791370869 0.000791368075 ± 1.25663627181805E-0 123.465202 123.465202 ± 0.2 82.6047821 82.6047821 ± 0.5 10.8994331 10.8994331 ± 0.04 8.86355877 8.86355877 ± 0.0625 14014 14014 ± 2 7777 7777 ± 2 3494315776 3494315776 0.000113070011 0.000113090937 ± 1.25663627181805E-0 0.000314116478 0.00031410993 ± 1.25663627181805E-06 9 9 ± 0.2 65.6970062 65.6970062 ± 0.5 0 0 ± 0.04 99.932251 99.932251 ± 0.0625 21335 21335 ± 2 34188 34188 ± 2 3494315776 3494315776 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.NtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 3494315776 3494315776 3494315776 3494315776 0.000376939774 0.00037692007 ± 1.25663627181805E-06 0.000791370869 0.000791368075 ± 1.25663627181805E-0 123.465202 123.465202 ± 0.2 82.6047821 82.6047821 ± 0.5 10.8994331 10.8994331 ± 0.04 8.86355877 8.86355877 ± 0.0625 14014 14014 ± 2 7777 7777 ± 2 3494315776 3494315776 0.000113070011 0.000113090937 ± 1.25663627181805E-0 0.000314116478 0.00031410993 ± 1.25663627181805E-06 9 9 ± 0.2 65.6970062 65.6970062 ± 0.5 0 0 ± 0.04 99.932251 99.932251 ± 0.0625 21335 21335 ± 2 34188 34188 ± 2 3494315776 3494315776 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 3494315776 3494315776 3494315776 3494315776 0.000376939774 0.00037692007 ± 1.25663627181805E-06 0.000791370869 0.000791368075 ± 1.25663627181805E-0 123.465202 123.465202 ± 0.2 82.6047821 82.6047821 ± 0.5 10.8994331 10.8994331 ± 0.04 8.86355877 8.86355877 ± 0.0625 14014 14014 ± 2 7777 7777 ± 2 3494315776 3494315776 0.000113070011 0.000113090937 ± 1.25663627181805E-0 0.000314116478 9 ± 0.2 65.6970062 65.6970062 ± 0.5 0 0 ± 0.04 99.932251 99.932251 ± 0.0625 21335 21335 ± 2 3494315776 3494315776 3494315776 3494315776 3494315776 3494315776 3494315776 3494315776 0.000376939774 0.00037692007 ± 1.25663627181805E-06 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.WtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.WtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 3494315776 3494315776 3494315776 0.000376939774 0.00037692007 ± 1.25663627181805E-06 0.000791370869 123.465202 82.6047821 10.8994331 10.8994331 8.66355877 14014 14014 ± 2 7777 7777 ± 2 3494315776 3494315776 0.000113070011 0.000113070011 0.000314116478 9 9 ± 0.2 65.6970062 0 ± 0.4 99.932251 21335 21335 21335 21335 21335 3494315776 3494315776 3494315776 3494315776 3494315776 3494315776 0.000314116478 9.9032251 21335 21335 21335 21335 21335 21355 243488 34188 34188 ± 2 3494315776 3494315776 0.000376939774 0.00037692007 ± 1.25663627181805E-06 0.0003791370869 0.000791370869 | |



| T | | | | | |
|---------------------------------------------|-------|---------------------------------------------|-------|----------|--|
| Actual Function | Count | Expected Function | Count | Result | |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | ~ | |
| GetSystemTime mS u32 | 1 | GetSystemTime mS u32 | 1 | ✓ | |

| Test Step 2.12 (Repeat Count = 1) | Innui Value | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|
| Name | Input Value | |
| GetSystemTime_mS_u32(CurrentTime) | tgt_GetSystemTime_mS_u32_CurrentTime | |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc) | target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc | |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn_2 | |
| k_AutoCntrHiSpdCntrWindow_HwDeg_f32 | 26.9095516 | |
| k_AutoCntrHiSpdFilt1Kn_Hz_f32 | 0.0344000012 | |
| k_AutoCntrHiSpdFilt2Kn_Hz_f32 | 0.063000001 | |
| k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32 | 162.400772 | |
| k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32 | 14.9627428 | |
| k_AutoCntrHiSpdTimer1VehSpd_kph_f32 | 114.852692 | |
| k_AutoCntrHiSpdTimer1_mS_u16 | 48224 | |
| k_AutoCntrHiSpdTimer2_mS_u16 | 8888 | |
| k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32 | 47.4006882 | |
| k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32 | 585.574707 | |
| k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32 | 4.3129344 | |
| k_AutoCntrHiSpdTimer4VehSpd_kph_f32 | 65.4458923 | |
| k_AutoCntrHiSpdTimer4_mS_u16 | 32015 | |
| k_AutoCntrLoSpdCntrWindow_HwDeg_f32 | 26.1026459 | |
| k_AutoCntrLoSpdFilt1Kn_Hz_f32 | 0.0458000004 | |
| k_AutoCntrLoSpdFilt2Kn_Hz_f32 | 0.00200000009 | |
| k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32 | 533 | |
| k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32 | 20 | |
| k_AutoCntrLoSpdTimer1VehSpd_kph_f32 | 23.0135193 | |
| k_AutoCntrLoSpdTimer1_mS_u16 | 12258 | |
| k_AutoCntrLoSpdTimer2_mS_u16 | 36416 | |
| k_AutoCntrPinTrqLPFCoeffKn_Hz_f32 | 0.0344000012 | |
| k_SLPEnableBFCheck_Cnt_lgc | 1 | |
| k_SLPHwAuthority_Uls_f32 | 0.0474000014 | |
| target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 | 1256.91699 | |
| target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc | 0 | |
| target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc | 1 | |
| target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset | target_Pim_MotPosReset | |
| tgt_GetSystemTime_mS_u32_CurrentTime | 463842816 | |
| Name | Actual Value Expected Value | Resul |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 585.574707 585.574707 ± 0.2 | |
| VehDyn AutoCntrDetSpd M str.VehSpd kph f32 | 65.4458923 | |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 4.3129344 4.31293392 ± 0.04 | |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 47.4006882 47.4006882 ± 0.0625 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 48224 ± 2 | ٠, |
| | | |
| VehDvn_AutoCntrDetSnd_M_str_Timer2Thresh_mS_u16 | 32015 + 2 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 32015 32015 ± 2 463842816 463842816 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 463842816 463842816 | • |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 463842816 463842816 463842816 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 463842816 463842816 463842816 463842816 0.000575363636 0.000575374172 ± 1.25663627181805E-06 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 463842816 463842816 463842816 463842816 0.000575363636 0.000575374172 ± 1.25663627181805E-06 2.51531601e-005 2.51324254e-005 ± 1.25663627181805E-06 | 6 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 463842816 463842816 463842816 463842816 0.000575363636 0.000575374172 ± 1.25663627181805E-06 2.51531601e-005 2.51324254e-005 ± 1.25663627181805E-06 162.400772 162.400772 ± 0.2 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 463842816 463842816 463842816 463842816 0.000575363636 0.000575374172 ± 1.25663627181805E-06 2.51531601e-005 2.51324254e-005 ± 1.25663627181805E-06 162.400772 162.400772 ± 0.2 114.852692 114.852692 ± 0.5 | 6 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 463842816 463842816 463842816 463842816 0.000575363636 0.000575374172 ± 1.25663627181805E-06 2.51531601e-005 2.51324254e-005 ± 1.25663627181805E-06 162.400772 162.400772 ± 0.2 114.852692 114.852692 ± 0.5 14.9627428 14.9627428 ± 0.04 | 6 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 463842816 463842816 463842816 0.000575374172 ± 1.25663627181805E-06 2.51531601e-005 2.51324254e-005 ± 1.25663627181805E-06 162.400772 162.400772 ± 0.2 114.852692 114.852692 ± 0.5 14.9627428 14.9627428 ± 0.04 26.9095516 26.9095516 ± 0.0625 | 6 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 463842816 463842816 463842816 0.000575374172 ± 1.25663627181805E-06 2.51531601e-005 2.51324254e-005 ± 1.25663627181805E-06 162.400772 162.400772 ± 0.2 114.852692 114.852692 ± 0.5 14.9627428 14.9627428 ± 0.04 26.9095516 26.9095516 ± 0.0625 48224 48224 ± 2 | 6 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 463842816 463842816 463842816 0.000575374172 ± 1.25663627181805E-06 2.51531601e-005 2.51324254e-005 ± 1.25663627181805E-06 162.400772 162.400772 ± 0.2 114.852692 114.852692 ± 0.5 14.9627428 14.9627428 ± 0.04 26.9095516 26.9095516 ± 0.0625 48224 48224 ± 2 8888 8888 ± 2 | 6 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 463842816 463842816 463842816 0.000575374172 ± 1.25663627181805E-06 2.51531601e-005 2.51324254e-005 ± 1.25663627181805E-06 162.400772 162.400772 ± 0.2 114.852692 114.852692 ± 0.5 14.9627428 14.9627428 ± 0.04 26.9095516 26.9095516 ± 0.0625 48224 48224 ± 2 8888 8888 ± 2 463842816 463842816 | 66 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 463842816 463842816 463842816 0.000575374172 ± 1.25663627181805E-06 2.51531601e-005 2.51324254e-005 ± 1.25663627181805E-06 162.400772 162.400772 ± 0.2 114.852692 114.852692 ± 0.5 14.9627428 14.9627428 ± 0.04 26.9095516 26.9095516 ± 0.0625 48224 48224 ± 2 8888 8888 ± 2 463842816 463842816 463842816 463842816 | 66 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 463842816 463842816 463842816 463842816 0.000575363636 0.000575374172 ± 1.25663627181805E-06 2.51531601e-005 2.51324254e-005 ± 1.25663627181805E-06 162.400772 162.400772 ± 0.2 114.852692 114.852692 ± 0.5 14.9627428 14.9627428 ± 0.04 26.9095516 26.9095516 ± 0.0625 48224 48224 ± 2 8888 888 ± 2 463842816 463842816 463842816 463842816 0.000432193279 0.000432189729 ± 1.25663627181805E-06 | 66 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 463842816 463842816 463842816 463842816 0.000575363636 0.000575374172 ± 1.25663627181805E-06 2.51531601e-005 2.51324254e-005 ± 1.25663627181805E-06 162.400772 162.400772 ± 0.2 114.852692 114.852692 ± 0.5 14.9627428 14.9627428 ± 0.04 26.9095516 26.9095516 ± 0.0625 48224 48224 ± 2 8888 888 ± 2 463842816 463842816 463842816 463842816 0.000432193279 0.000432189729 ± 1.25663627181805E-06 0.000791370869 0.000791368075 ± 1.25663627181805E-06 | 6 6 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.MitrVel_MtrRadpS_f32 | 463842816 463842816 463842816 0.000575374172 ± 1.25663627181805E-06 2.51531601e-005 2.51324254e-005 ± 1.25663627181805E-06 162.400772 162.400772 ± 0.2 114.852692 114.852692 ± 0.5 14.9627428 14.9627428 ± 0.04 26.9095516 26.9095516 ± 0.0625 48224 48224 ± 2 8888 888 ± 2 463842816 463842816 463842816 463842816 0.000432193279 0.000432189729 ± 1.25663627181805E-06 533 533 ± 0.2 | 66 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 463842816 463842816 463842816 0.000575374172 ± 1.25663627181805E-06 2.51531601e-005 2.51324254e-005 ± 1.25663627181805E-06 162.400772 162.400772 ± 0.2 114.852692 114.852692 ± 0.5 14.9627428 14.9627428 ± 0.04 26.9095516 26.9095516 ± 0.0625 48224 48224 ± 2 8888 888 ± 2 463842816 463842816 463842816 463842816 0.000432193279 0.000432189729 ± 1.25663627181805E-06 533 533 ± 0.2 23.0135193 23.0135193 ± 0.5 | 66 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.MitrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 463842816 463842816 463842816 0.000575374172 ± 1.25663627181805E-06 2.51531601e-005 2.51324254e-005 ± 1.25663627181805E-06 162.400772 162.400772 ± 0.2 114.852692 114.852692 ± 0.5 14.9627428 14.9627428 ± 0.04 26.9095516 26.9095516 ± 0.0625 48224 48224 ± 2 8888 888 ± 2 463842816 463842816 463842816 463842816 0.000432193279 0.000432189729 ± 1.25663627181805E-06 533 533 ± 0.2 23.0135193 23.0135193 ± 0.5 20 20 ± 0.04 | 66 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.WehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | $\begin{array}{c} 463842816 \\ 463842816 \\ 463842816 \\ 0.000575363636 \\ 0.000575374172 \pm 1.25663627181805E-06 \\ 2.51531601e-005 \\ 162.400772 \\ 162.400772 \\ 114.852692 \\ 114.852692 \\ 14.9627428 \\ 26.9095516 \\ 48224 \\ 48224 \\ 48888 \\ 8888 \pm 2 \\ 463842816 \\ 463842816 \\ 463842816 \\ 463842816 \\ 0.000432193279 \\ 0.000791370869 \\ 533 \\ 23.0135193 \\ 20 \\ 26.1026459 \\ 26.1026459 \pm 0.0625 \\ 26.9025516 \\ 463842816 \\ 463842816 \\ 463842816 \\ 463842816 \\ 23.0135193 \\ 23.0135193 \pm 0.5 \\ 20 \\ 26.1026459 \pm 0.0625 \\ 26.1026459 \pm 0.0625 \\ \end{array}$ | 66 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Wtvel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 463842816 463842816 463842816 0.000575374172 ± 1.25663627181805E-06 2.51531601e-005 2.51324254e-005 ± 1.25663627181805E-06 162.400772 162.400772 ± 0.2 114.852692 114.852692 ± 0.5 14.9627428 14.9627428 ± 0.04 26.9095516 26.9095516 ± 0.0625 48224 48224 ± 2 8888 888 ± 2 463842816 463842816 463842816 463842816 0.000432193279 0.000432189729 ± 1.25663627181805E-06 533 533 ± 0.2 23.0135193 23.0135193 ± 0.5 20 20 ± 0.04 | 66 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.WehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1_ms_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | $\begin{array}{c} 463842816 \\ 463842816 \\ 463842816 \\ 0.000575363636 \\ 0.000575374172 \pm 1.25663627181805E-06 \\ 2.51531601e-005 \\ 162.400772 \\ 162.400772 \\ 114.852692 \\ 114.852692 \\ 14.9627428 \\ 26.9095516 \\ 48224 \\ 48224 \\ 48888 \\ 8888 \pm 2 \\ 463842816 \\ 463842816 \\ 463842816 \\ 463842816 \\ 0.000432193279 \\ 0.000791370869 \\ 533 \\ 23.0135193 \\ 20 \\ 26.1026459 \\ 26.1026459 \pm 0.0625 \\ 26.9025516 \\ 463842816 \\ 463842816 \\ 463842816 \\ 463842816 \\ 23.0135193 \\ 23.0135193 \pm 0.5 \\ 20 \\ 26.1026459 \pm 0.0625 \\ 26.1026459 \pm 0.0625 \\ \end{array}$ | 66 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Wtol_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 463842816 463842816 463842816 0.000575374172 ± 1.25663627181805E-06 2.51531601e-005 2.51324254e-005 ± 1.25663627181805E-06 162.400772 162.400772 ± 0.2 114.852692 114.852692 ± 0.5 14.9627428 14.9627428 ± 0.04 26.9095516 26.9095516 ± 0.0625 48224 48224 ± 2 8888 888 ± 2 463842816 463842816 463842816 463842816 0.000432189729 ± 1.25663627181805E-06 533 533 ± 0.2 23.0135193 23.0135193 ± 0.5 20 20 ± 0.04 26.1026459 26.1026459 ± 0.0625 12258 12258 ± 2 | 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.WehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u5 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.WehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 463842816 463842816 463842816 0.000575374172 ± 1.25663627181805E-06 2.51531601e-005 2.51324254e-005 ± 1.25663627181805E-06 162.400772 162.400772 ± 0.2 114.852692 114.852692 ± 0.5 14.9627428 14.9627428 ± 0.04 26.9095516 26.9095516 ± 0.0625 48224 48224 ± 2 8888 888 ± 2 463842816 463842816 0.000432193279 0.000432189729 ± 1.25663627181805E-06 533 533 ± 0.2 23.0135193 23.0135193 ± 0.5 20 20 ± 0.04 26.1026459 26.1026459 ± 0.0625 12258 12258 ± 2 36416 36416 ± 2 | 6 6 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mrs_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.WitrPadpS_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 463842816 463842816 463842816 0.000575374172 ± 1.25663627181805E-06 2.51531601e-005 2.51324254e-005 ± 1.25663627181805E-06 162.400772 162.400772 ± 0.2 114.852692 114.852692 ± 0.5 14.9627428 14.9627428 ± 0.04 26.9095516 26.9095516 ± 0.0625 48224 48224 ± 2 8888 888 ± 2 463842816 463842816 463842816 463842816 0.000432193279 0.000791370869 0.000791368075 ± 1.25663627181805E-06 533 533 ± 0.2 23.0135193 23.0135193 ± 0.5 20 20 ± 0.04 26.1026459 26.1026459 ± 0.0625 12258 12258 ± 2 36416 36416 ± 2 463842816 463842816 | 6 |





| Name | Actual Value | Expected Value | Result |
|---------------------------------|----------------|---------------------------------------|----------|
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000432193279 | 0.000432189729 ± 1.25663627181805E-06 | ~ |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0 | 0 | ✓ |
| VehDyn SLPHwPos HwDeg M f32 | 0 | 0 | ✓ |

| Т | | | | ✓ |
|---------------------------------------------|-------|---------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ✓ |

| Name | Input Value | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|
| GetSystemTime_mS_u32(CurrentTime) | tgt_GetSystemTime_mS_u32_CurrentTime | |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc) | target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc | |
| Rte Inst Ap VehDyn | target Rte Inst Ap VehDyn 2 | |
| k AutoCntrHiSpdCntrWindow HwDeg f32 | 49.6496849 | |
| k_AutoCntrHiSpdFilt1Kn_Hz_f32 | 0.0458000004 | |
| k AutoCntrHiSpdFilt2Kn Hz f32 | 0.00200000009 | |
| k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32 | 546.656738 | |
| k AutoCntrHiSpdTimer1PinTrg HwNm f32 | 11.7334461 | |
| k_AutoCntrHiSpdTimer1VehSpd_kph_f32 | 136.718338 | |
| k AutoCntrHiSpdTimer1 mS u16 | 4828 | |
| k AutoCntrHiSpdTimer2 mS u16 | 9999 | |
| k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32 | 33.7199783 | |
| k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32 | 689.916992 | |
| k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32 | 9.30665016 | |
| < AutoCntrHiSpdTimer4VehSpd kph f32 | 223.376236 | |
| k AutoCntrHiSpdTimer4 mS u16 | 49523 | |
| k_AutoCntrLoSpdCntrWindow_HwDeg_f32 | 17.6228924 | |
| k_AutoCntrLoSpdCrittVinidow_Hwbeg_i32 k_AutoCntrLoSpdFilt1Kn_Hz_f32 | 0.0049999989 | |
| AutoCntrLoSpdFilt2Kn Hz f32 | 0.00499999989 | |
| k_AutoCntrLoSpdTimer1MtrVel MtrRadpS f32 | 570 | |
| k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32 | 7.05000019 | |
| k AutoCntrLoSpdTimer1VehSpd kph f32 | 7.9233551 | |
| _ | 34738 | |
| <_AutoCntrLoSpdTimer1_mS_u16 < AutoCntrLoSpdTimer2 mS u16 | 36612 | |
| | 0.0458000004 | |
| k_AutoCntrPinTrqLPFCoeffKn_Hz_f32 | | |
| <_SLPEnableBFCheck_Cnt_lgc | 0 | |
| k_SLPHwAuthority_UIs_f32 | 0.0540000014 | |
| target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 | 1232.88403 | |
| target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc | 1 | |
| target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc | 0 | |
| target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset | target_Pim_MotPosReset | |
| tgt_GetSystemTime_mS_u32_CurrentTime | 1759885568 | |
| Name | Actual Value Expected Value | Resul |
| | | |
| | 689.916992 ± 0.2 | , |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 223.376236 223.376236 ± 0.5 | |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | | • |
| /ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 /ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 223.376236 223.376236 ± 0.5 | |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 223.376236 223.376236 ± 0.5 9.30665016 9.30665016 ± 0.04 | • |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 223.376236 223.376236 ± 0.5 9.30665016 9.30665016 ± 0.04 33.7199783 33.7199783 ± 0.0625 | |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 223.376236 223.376236 ± 0.5 9.30665016 9.30665016 ± 0.04 33.7199783 33.7199783 ± 0.0625 4828 4828 ± 2 | |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | $\begin{array}{cccccccccccccccccccccccccccccccccccc$ | |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | $\begin{array}{cccccccccccccccccccccccccccccccccccc$ | |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | $\begin{array}{cccccccccccccccccccccccccccccccccccc$ | 6 |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | $\begin{array}{cccccccccccccccccccccccccccccccccccc$ | 6 6 6 |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | $\begin{array}{cccccccccccccccccccccccccccccccccccc$ | 66 |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.NetVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | $\begin{array}{cccccccccccccccccccccccccccccccccccc$ | 66 |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.NetVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | $\begin{array}{cccccccccccccccccccccccccccccccccccc$ | 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 |
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| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mTR_HwNm_f32 | 223.376236 223.376236 ± 0.5 9.30665016 9.30665016 ± 0.04 33.7199783 33.7199783 ± 0.0625 4828 4828 ± 2 49523 49523 ± 2 1759885568 1759885568 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E-0 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E-0 546.656738 546.656738 ± 0.2 11.7334461 11.7334461 ± 0.04 49.6496849 49.6496849 ± 0.0625 4828 4828 ± 2 9999 9999 ± 2 1759885568 1759885568 1759885568 1759885568 0.000575363636 0.000575374172 ± 1.25663627181805E-0 2.51531601e-005 2.51324254e-005 ± 1.25663627181805E-0 570 570 ± 0.2 7.9233551 7.9233551 ± 0.5 | 5 5 5 |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.PiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.WehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 223.376236 223.376236 ± 0.5 9.30665016 9.30665016 ± 0.04 33.7199783 33.7199783 ± 0.0625 4828 4828 ± 2 49523 49523 ± 2 1759885568 1759885568 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E-0 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E-0 546.656738 546.656738 ± 0.2 11.7334461 11.7334461 ± 0.04 49.6496849 49.6496849 ± 0.0625 4828 4828 ± 2 9999 9999 ± 2 1759885568 1759885568 1759885568 1759885568 0.000575363636 0.000575374172 ± 1.25663627181805E-0 2.51531601e-005 2.51324254e-005 ± 1.25663627181805E-0 570 570 ± 0.2 7.9233551 7.9233551 ± 0.5 7.05000019 7.05000019 ± 0.04 | 5 5 5 |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.NtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 223.376236 223.376236 ± 0.5 9.30665016 9.30665016 ± 0.04 33.7199783 33.7199783 ± 0.0625 4828 4828 ± 2 49523 49523 ± 2 1759885568 1759885568 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E-0 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E-0 546.656738 546.656738 ± 0.2 11.7334461 11.7334461 ± 0.04 49.6496849 49.6496849 ± 0.0625 4828 4828 ± 2 9999 9999 ± 2 1759885568 1759885568 1759885568 1759885568 0.000575363636 0.000575374172 ± 1.25663627181805E-0 2.51531601e-005 2.51324254e-005 ± 1.25663627181805E-0 570 570 ± 0.2 7.9233551 7.9233551 ± 0.5 | 5 |





| Name | Actual Value | Expected Value | Result |
|----------------------------------------------------------------|-----------------|----------------------------------------|----------|
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 1759885568 | 1759885568 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 1759885568 | 1759885568 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 6.28232956e-005 | 6.28298803e-005 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 6.28232956e-005 | 6.28298803e-005 ± 1.25663627181805E-06 | • |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000575363636 | 0.000575374172 ± 1.25663627181805E-06 | ~ |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.0540000014 | 0.0540000014 | ✓ |
| VehDyn_SLPHwPos_HwDeg_M_f32 | 1232.88403 | 1232.88403 | ~ |

| Т | | | | |
|---------------------------------------------|-------|---------------------------------------------|-------|--------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | - |

| Test Step 2.14 (Repeat Count = 1) Name | Input Value | |
|------------------------------------------------------------------------|------------------------------------------------------------------------|-----|
| | | |
| GetSystemTime_mS_u32(CurrentTime) | tgt_GetSystemTime_mS_u32_CurrentTime | |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc) | target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc | |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn_2 | |
| k_AutoCntrHiSpdCntrWindow_HwDeg_f32 | 23.8171101 0.0759999976 | |
| k_AutoCntrHiSpdFilt1Kn_Hz_f32 | | |
| k_AutoCntrHiSpdFilt2Kn_Hz_f32 | 0.00200000009 | |
| k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32 | 79.877243 3.8524735 | |
| k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32 | | |
| k_AutoCntrHiSpdTimer1VehSpd_kph_f32 | 164.951675 16138 | |
| k_AutoCntrHiSpdTimer1_mS_u16 k_AutoCntrHiSpdTimer2_mS_u16 | 23331 | |
| | | |
| k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32 | 78.1467133 | |
| k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32 | 32.7761002 | |
| k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32 | 2.07399654 | |
| k_AutoCntrHiSpdTimer4VehSpd_kph_f32 | 38.1457062 | |
| k_AutoCntrHiSpdTimer4_mS_u16 | 46166 | |
| k_AutoCntrLoSpdCntrWindow_HwDeg_f32 | 81.6020432 | |
| k_AutoCntrLoSpdFilt1Kn_Hz_f32 | 0.000300000014 | |
| k_AutoCntrLoSpdFilt2Kn_Hz_f32 | 0.00600000005 | |
| k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32 | 367.93277 | |
| k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32 | 4 | |
| k_AutoCntrLoSpdTimer1VehSpd_kph_f32 | 150.688919 | |
| k_AutoCntrLoSpdTimer1_mS_u16 | 22835 | |
| k_AutoCntrLoSpdTimer2_mS_u16 | 13127 | |
| k_AutoCntrPinTrqLPFCoeffKn_Hz_f32 | 0.0759999976 | |
| k_SLPEnableBFCheck_Cnt_lgc | 0 | |
| k_SLPHwAuthority_Uls_f32 | 0.133200005 | |
| target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 | 944.487976 | |
| target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc | 1 | |
| target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc | 0 | |
| target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset | target_Pim_MotPosReset | |
| tgt_GetSystemTime_mS_u32_CurrentTime | 4164171008 | |
| Name | Actual Value Expected Value | Res |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 32.7761002 32.7761002 ± 0.2 | |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 38.1457062 | |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 2.07399654 ± 0.04 | |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 78.1467133 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 16138 ± 2 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 46166 ± 2 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 4164171008 4164171008 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 4164171008 4164171008 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 3.75509262e-006 3.76990397e-006 ± 1.25663627181805E-06 | ; |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 7.53998756e-005 7.53953791e-005 ± 1.25663627181805E-06 | ; |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 79.877243 ± 0.2 | |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 164.951675 ± 0.5 | |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 3.8524735 ± 0.04 | |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 23.8171101 23.8171101 ± 0.0625 | |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 16138 ± 2 | |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 23331 ± 2 | |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 4164171008 4164171008 | |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 4164171008 4164171008 | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000954568386 | |
| VehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32 | 2.51531601e-005 | |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 367.93277 367.93277 ± 0.2 | |
| | | 1 |

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VehDyn_Init1



| Name | Actual Value | Expected Value | Result |
|----------------------------------------------------------------|-----------------|----------------------------------------|--------|
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 4 | 4 ± 0.04 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 81.6020432 | 81.6020432 ± 0.0625 | • |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 22835 | 22835 ± 2 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 13127 | 13127 ± 2 | • |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 4164171008 | 4164171008 | - |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 4164171008 | 4164171008 | • |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 3.75509262e-006 | 3.76990397e-006 ± 1.25663627181805E-06 | • |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 7.53998756e-005 | 7.53953791e-005 ± 1.25663627181805E-06 | • |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000954568386 | 0.000954588235 ± 1.25663627181805E-06 | ~ |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.133200005 | 0.133200005 | ~ |
| VehDyn_SLPHwPos_HwDeg_M_f32 | 944.487976 | 944.487976 | • |

| Τ | | | | ✓ |
|---------------------------------------------|-------|---------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ✓ |

| Test Step 2.15 (Repeat Count = 1) | | |
|------------------------------------------------------------------------|------------------------------------------------------------------------|------|
| Name | Input Value | |
| GetSystemTime_mS_u32(CurrentTime) | tgt_GetSystemTime_mS_u32_CurrentTime | |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc) | target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc | |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn_2 | |
| k_AutoCntrHiSpdCntrWindow_HwDeg_f32 | 97.9824524 | |
| k_AutoCntrHiSpdFilt1Kn_Hz_f32 | 0.00499999989 | |
| k_AutoCntrHiSpdFilt2Kn_Hz_f32 | 0.00499999989 | |
| k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32 | 650.888245 | |
| k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32 | 14.2269373 | |
| k_AutoCntrHiSpdTimer1VehSpd_kph_f32 | 83.2932739 | |
| k_AutoCntrHiSpdTimer1_mS_u16 | 13561 | |
| k_AutoCntrHiSpdTimer2_mS_u16 | 11110 | |
| k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32 | 84.8904648 | |
| k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32 | 13.5116568 | |
| k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32 | 14.3859873 | |
| k_AutoCntrHiSpdTimer4VehSpd_kph_f32 | 200.00708 | |
| k_AutoCntrHiSpdTimer4_mS_u16 | 3778 | |
| k AutoCntrLoSpdCntrWindow HwDeg f32 | 0 | |
| k AutoCntrLoSpdFilt1Kn Hz f32 | 0.00899999961 | |
| k_AutoCntrLoSpdFilt2Kn_Hz_f32 | 0.00520000001 | |
| k AutoCntrLoSpdTimer1MtrVel MtrRadpS f32 | 497 | |
| k AutoCntrLoSpdTimer1PinTrg HwNm f32 | 19.0077152 | |
| k_AutoCntrLoSpdTimer1VehSpd_kph_f32 | 82.6157227 | |
| k_AutoCntrLoSpdTimer1_mS_u16 | 37799 | |
| k_AutoCntrLoSpdTimer2_mS_u16 | 41632 | |
| k_AutoCntrPinTrqLPFCoeffKn_Hz_f32 | 0.00499999989 | |
| k SLPEnableBFCheck Cnt lgc | 1 | |
| k SLPHwAuthority Uls f32 | 0.0606000014 | |
| target Pim MotPosReset.NVMStoredLastPos HwDeg f32 | 1208.85095 | |
| target Pim MotPosReset.NVMStoredLastPosValid Cnt Igc | 0 | |
| target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc | 1 | |
| target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset | target_Pim_MotPosReset | |
| | 1662097408 | |
| tgt_GetSystemTime_mS_u32_CurrentTime | | _ |
| Name | Actual Value Expected Value | Resu |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 13.5116568 ± 0.2 | |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 200.00708 200.00708 ± 0.5 | |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 14.3859873 14.3859873 ± 0.04 | |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 84.8904648 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 13561 ± 2 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 3778 ± 2 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 1662097408 1662097408 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 1662097408 1662097408 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000113070011 0.000113090937 ± 1.25663627181805E-06 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 6.53266907e-005 6.53429888e-005 ± 1.25663627181805E-06 | |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 650.888245 ± 0.2 | |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 83.2932739 83.2932739 ± 0.5 | |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 14.2269373 14.2269373 ± 0.04 | |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 97.9824524 ± 0.0625 | |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 13561 ± 2 | |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 11110 ± 2 | |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 1662097408 1662097408 | |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 1662097408 1662097408 | |





| Name | Actual Value | Expected Value | Result |
|----------------------------------------------------------------|-----------------|----------------------------------------|----------|
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 6.28232956e-005 | 6.28298803e-005 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 6.28232956e-005 | 6.28298803e-005 ± 1.25663627181805E-06 | • |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 497 | 497 ± 0.2 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 82.6157227 | 82.6157227 ± 0.5 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 19.0077152 | 19.0077152 ± 0.04 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 0 | 0 ± 0.0625 | • |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 37799 | 37799 ± 2 | • |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 41632 | 41632 ± 2 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 1662097408 | 1662097408 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 1662097408 | 1662097408 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000113070011 | 0.000113090937 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 6.53266907e-005 | 6.53429888e-005 ± 1.25663627181805E-06 | ~ |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 6.28232956e-005 | 6.28298803e-005 ± 1.25663627181805E-06 | • |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0 | 0 | • |
| VehDyn_SLPHwPos_HwDeg_M_f32 | 0 | 0 | ~ |

| T | | | | ✓ |
|---------------------------------------------|-------|---------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ✓ |

| Test Step 2.16 (Repeat Count = 1) | | • |
|------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|-------|
| Name | Input Value | |
| GetSystemTime_mS_u32(CurrentTime) | tgt_GetSystemTime_mS_u32_CurrentTime | |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc) | target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc | |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn_2 | |
| k_AutoCntrHiSpdCntrWindow_HwDeg_f32 | 76.7621613 | |
| k_AutoCntrHiSpdFilt1Kn_Hz_f32 | 0.00899999961 | |
| k_AutoCntrHiSpdFilt2Kn_Hz_f32 | 0.00520000001 | |
| k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32 | 203.632965 | |
| k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32 | 11.2671566 | |
| k_AutoCntrHiSpdTimer1VehSpd_kph_f32 | 127.052841 | |
| k_AutoCntrHiSpdTimer1_mS_u16 | 2974 | |
| k_AutoCntrHiSpdTimer2_mS_u16 | 12221 | |
| k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32 | 71.4314346 | |
| k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32 | 460.300537 | |
| k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32 | 5.9040184 | |
| k_AutoCntrHiSpdTimer4VehSpd_kph_f32 | 118.848923 | |
| k_AutoCntrHiSpdTimer4_mS_u16 | 41925 | |
| k_AutoCntrLoSpdCntrWindow_HwDeg_f32 | 100 | |
| k_AutoCntrLoSpdFilt1Kn_Hz_f32 | 0.0250000004 | |
| k_AutoCntrLoSpdFilt2Kn_Hz_f32 | 0.0320999995 | |
| k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32 | 31 | |
| k AutoCntrLoSpdTimer1PinTrq HwNm f32 | 18.3913727 | |
| k AutoCntrLoSpdTimer1VehSpd kph f32 | 202.272995 | |
| k AutoCntrLoSpdTimer1 mS u16 | 8366 | |
| k_AutoCntrLoSpdTimer2_mS_u16 | 51002 | |
| k AutoCntrPinTrqLPFCoeffKn Hz f32 | 0.00899999961 | |
| k SLPEnableBFCheck Cnt lgc | 0 | |
| k SLPHwAuthority Uls f32 | 0.0671999976 | |
| target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 | 1184.81799 | |
| target Pim MotPosReset.NVMStoredLastPosValid Cnt Igc | 1 | |
| target Rte Call Ap VehDyn NxtrDiagMgr GetNTCActive NTCActive Ptr T Igc | 0 | |
| target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset | target_Pim_MotPosReset | |
| tgt_GetSystemTime_mS_u32_CurrentTime | 2127166208 | |
| Name | Actual Value Expected Value | Resul |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 460.300537 460.300537 ± 0.2 | |
| VehDyn AutoCntrDetSpd M str.VehSpd kph f32 | 118.848923 118.848923 ± 0.5 | |
| VehDyn AutoCntrDetSpd M str.FiltPinTrg HwNm f32 | 5.9040184 5.9040184 ± 0.04 | |
| VehDyn AutoCntrDetSpd M str.CntrWindow HwDeg f32 | 71.4314346 71.4314346 ± 0.0625 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 2974 2974 ± 2 | |
| VehDyn AutoCntrDetSpd M str.Timer2Thresh mS u16 | 41925 41925 ± 2 | |
| VehDyn AutoCntrDetSpd M str.Timer1 mS u32 | 2127166208 2127166208 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 2127166208 2127166208 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000314116478 | |
| VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32 | 0.000314110476 0.00031410993 ± 1.25663627161605E-06 0.000403285027 0.000403299142 ± 1.25663627181805E-06 | |
| VehDyn AutoCntrHiSpd M str.MtrVel MtrRadpS f32 | 203.632965 203.632965 ± 0.2 | |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 203.032903 ± 0.2 127.052841 | |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 11.2671566 11.2671566 ± 0.04 | |
| | 11.201 1300 | |





| Name | Actual Value | Expected Value | Result |
|----------------------------------------------------------------|-----------------|----------------------------------------|----------|
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 2974 | 2974 ± 2 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 12221 | 12221 ± 2 | • |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 2127166208 | 2127166208 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 2127166208 | 2127166208 | • |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000113070011 | 0.000113090937 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 6.53266907e-005 | 6.53429888e-005 ± 1.25663627181805E-06 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 31 | 31 ± 0.2 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 202.272995 | 202.272995 ± 0.5 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 18.3913727 | 18.3913727 ± 0.04 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 100 | 100 ± 0.0625 | • |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 8366 | 8366 ± 2 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 51002 | 51002 ± 2 | • |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 2127166208 | 2127166208 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 2127166208 | 2127166208 | • |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000314116478 | 0.00031410993 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000403285027 | 0.000403299142 ± 1.25663627181805E-06 | • |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000113070011 | 0.000113090937 ± 1.25663627181805E-06 | ~ |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.0671999976 | 0.0671999976 | ~ |
| VehDyn_SLPHwPos_HwDeg_M_f32 | 1184.81799 | 1184.81799 | ~ |

| T | | | | ✓ |
|---------------------------------------------|-------|---------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | ~ |
| GetSystemTime mS u32 | 1 | GetSystemTime mS u32 | 1 | ✓ |

| Test Step 2.17 (Repeat Count = 1) | | | |
|------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|-------|--|
| Name | Input Value | | |
| GetSystemTime_mS_u32(CurrentTime) | tgt_GetSystemTime_mS_u32_CurrentTime | | |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc) | target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc | | |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn_2 | | |
| x_AutoCntrHiSpdCntrWindow_HwDeg_f32 | 65.7764893 | | |
| C_AutoCntrHiSpdFilt1Kn_Hz_f32 | 0.0250000004 | | |
| <_AutoCntrHiSpdFilt2Kn_Hz_f32 | 0.0320999995 | | |
| | 152.768814 | | |
| _AutoCntrHiSpdTimer1PinTrq_HwNm_f32 | 15.771925 | | |
| AutoCntrHiSpdTimer1VehSpd kph f32 | 73.3210144 | | |
| : AutoCntrHiSpdTimer1 mS u16 | 14150 | | |
| AutoCntrHiSpdTimer2 mS u16 | 13332 | | |
| AutoCntrHiSpdTimer4CntrWindow HwDeg f32 | 89.3387299 | | |
| AutoCntrHiSpdTimer4MtrVel MtrRadpS f32 | 668.902588 | | |
| AutoCntrHiSpdTimer4PinTrq_HwNm_f32 | 20 | | |
| k AutoCntrHiSpdTimer4VehSpd kph f32 | 32.1202698 | | |
| AutoCntrHiSpdTimer4 mS u16 | 40995 | | |
| AutoCntrLoSpdCntrWindow HwDeg f32 | 67.0500031 | | |
| AutoCntrLoSpdFilt1Kn Hz f32 | 0.063000001 | | |
| AutoCntrLoSpdFilt2Kn Hz f32 | 0.039999991 | | |
| <pre>c_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32</pre> | 290 | | |
| AutoCntrLoSpdTimer1PinTrg HwNm f32 | 8.74961567 | | |
| AutoCntrLoSpdTimer1VehSpd kph f32 | 76.098053 | | |
| AutoCntrLoSpdTimer1 mS u16 | 3658 | | |
| AutoCntrLoSpdTimer2 mS u16 | 5853 | | |
| AutoCntrPinTrgLPFCoeffKn Hz f32 | 0.0250000004 | | |
| SLPEnableBFCheck Cnt lgc | 1 | | |
| SLPHwAuthority Uls f32 | 0.0737999976 | | |
| arget Pim MotPosReset.NVMStoredLastPos HwDeg f32 | 1160.78503 | | |
| arget Pim MotPosReset.NVMStoredLastPosValid Cnt Igc | 0 | | |
| arget Rte Call Ap VehDyn NxtrDiagMgr GetNTCActive NTCActive Ptr T lgc | 1 | | |
| arget_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset | target Pim MotPosReset | | |
| gt GetSystemTime mS u32 CurrentTime | 4243378688 | | |
| Name | Actual Value Expected Value | Resu | |
| VehDyn AutoCntrDetSpd M str.MtrVel MtrRadpS f32 | 668.902588 668.902588 ± 0.2 | IXES! | |
| /ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 32.1202698 32.1202698 ± 0.5 | | |
| /ehDyn_AutoChtrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 20 20 ± 0.04 | | |
| /ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 89.3387299 89.3387299 ± 0.0625 | | |
| /enDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 09.5367299 | | |
| | 40995 40995 ± 2 | | |
| /ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | | | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 4243378688 4243378688 | | |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32 | 4243378688 4243378688 0.000791370869 0.000791368075 ± 1.25663627181805E-06 | | |
| | | | |





| Name | Actual Value | Expected Value | Result |
|----------------------------------------------------------------|----------------|---------------------------------------|--------|
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 152.768814 | 152.768814 ± 0.2 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 73.3210144 | 73.3210144 ± 0.5 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 15.771925 | 15.771925 ± 0.04 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 65.7764893 | 65.7764893 ± 0.0625 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 14150 | 14150 ± 2 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 13332 | 13332 ± 2 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 4243378688 | 4243378688 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 4243378688 | 4243378688 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000314116478 | 0.00031410993 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000403285027 | 0.000403299142 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 290 | 290 ± 0.2 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 76.098053 | 76.098053 ± 0.5 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 8.74961567 | 8.74961662 ± 0.04 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 67.0500031 | 67.0500031 ± 0.0625 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 3658 | 3658 ± 2 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 5853 | 5853 ± 2 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 4243378688 | 4243378688 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 4243378688 | 4243378688 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000791370869 | 0.000791368075 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.00050252676 | 0.000502528506 ± 1.25663627181805E-06 | ~ |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000314116478 | 0.00031410993 ± 1.25663627181805E-06 | ~ |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0 | 0 | ~ |
| VehDyn SLPHwPos HwDeg M f32 | 0 | 0 | ~ |

| T | | | | ✓ |
|---------------------------------------------|-------|---------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ✓ |

| Test Step 2.18 (Repeat Count = 1) | | | |
|------------------------------------------------------------------------|------------------------------------|------------------------------------|------|
| Name | Input Value | | |
| GetSystemTime_mS_u32(CurrentTime) | tgt_GetSystemTime_mS_u32_Current | Time | |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc) | target_Rte_Call_Ap_VehDyn_NxtrDiag | Mgr_GetNTCActive_NTCActive_Ptr_T_l | gc |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn_2 | | |
| k_AutoCntrHiSpdCntrWindow_HwDeg_f32 | 84.4737091 | | |
| k_AutoCntrHiSpdFilt1Kn_Hz_f32 | 0.00520000001 | | |
| k_AutoCntrHiSpdFilt2Kn_Hz_f32 | 0.0458000004 | | |
| k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32 | 609.83606 | | |
| k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32 | 3.01206732 | | |
| k_AutoCntrHiSpdTimer1VehSpd_kph_f32 | 158.11969 | | |
| k_AutoCntrHiSpdTimer1_mS_u16 | 42810 | | |
| k_AutoCntrHiSpdTimer2_mS_u16 | 28886 | | |
| k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32 | 78.8331146 | | |
| k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32 | 700 | | |
| k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32 | 12.0596523 | | |
| k_AutoCntrHiSpdTimer4VehSpd_kph_f32 | 195.407715 | | |
| k_AutoCntrHiSpdTimer4_mS_u16 | 10213 | | |
| k_AutoCntrLoSpdCntrWindow_HwDeg_f32 | 8 | | |
| k_AutoCntrLoSpdFilt1Kn_Hz_f32 | 0.00779999979 | | |
| k_AutoCntrLoSpdFilt2Kn_Hz_f32 | 0.0430000015 | | |
| k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32 | 209.013977 | | |
| k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32 | 17.8311005 | | |
| k_AutoCntrLoSpdTimer1VehSpd_kph_f32 | 20.6569824 | | |
| k_AutoCntrLoSpdTimer1_mS_u16 | 38868 | | |
| k_AutoCntrLoSpdTimer2_mS_u16 | 57944 | | |
| k_AutoCntrPinTrqLPFCoeffKn_Hz_f32 | 0.00520000001 | | |
| k_SLPEnableBFCheck_Cnt_lgc | 1 | | |
| k_SLPHwAuthority_UIs_f32 | 0.166199997 | | |
| target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 | 824.322998 | | |
| target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc | 0 | | |
| target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc | 0 | | |
| target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset | target_Pim_MotPosReset | | |
| tgt_GetSystemTime_mS_u32_CurrentTime | 3714197504 | | |
| Name | Actual Value | Expected Value | Resu |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 700 | 700 ± 0.2 | |
| VehDyn AutoCntrDetSpd M str.VehSpd kph f32 | 195.407715 | 195.407715 ± 0.5 | |
| VehDyn AutoCntrDetSpd M str.FiltPinTrq HwNm f32 | 12.0596523 | 12.0596523 ± 0.04 | |
| VehDyn AutoCntrDetSpd M str.CntrWindow HwDeg f32 | 78.8331146 | 78.8331146 ± 0.0625 | |
| VehDyn AutoCntrDetSpd M str.Timer1Thresh mS u16 | 42810 | 42810 ± 2 | |
| VehDyn AutoCntrDetSpd M str.Timer2Thresh mS u16 | 10213 | 10213 ± 2 | |

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| Name |
|-----------------------------------------------------------------|
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 |
| VehDvn_AutoCntrHiSpd_M_str.Timer1_mS_u32 |
| VehDvn_AutoCntrHiSpd_M_str.Timer2_mS_u32 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeo |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh |
| VehDyn_AutoCntrLoSpd_M_str.Timer2T' |
| VehDyn_AutoCntrLoSpd_M_str.Tir |
| VehDyn_AutoCntrLoSpd_M |
| VehDyn_AutoCntrLos |
| VehDyn_AutoC |
| VehDyn |
| Vo |

| Actual Value | Expected Value |
|----------------|----------------|
| 3714197504 | 3714197504 |
| 3714197504 | 3714197504 |
| 9.7990036e-005 | 9.80128898e-00 |
| 0.000540196896 | 0.000540207 |
| 609.83606 | 609.82 |
| 158.11969 | |
| 3.01206732 | |
| 84.4737091 | |
| | |





| Name | Actual Value | Expected Value | Result |
|-----------------------------------------------------------------|-----------------|----------------------------------------|----------|
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 3.85283899 | 3.85283899 ± 0.04 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 20.9637165 | 20.9637165 ± 0.0625 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 23629 | 23629 ± 2 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 14512 | 14512 ± 2 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 1050692864 | 1050692864 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 1050692864 | 1050692864 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 2.51531601e-005 | 2.51324254e-005 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000439703465 | 0.000439726253 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 58.1886024 | 58.1886024 ± 0.2 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 49.8758698 | 49.8758698 ± 0.5 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 8.81883907 | 8.81883907 ± 0.04 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 38.6106339 | 38.6106339 ± 0.0625 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 23629 | 23629 ± 2 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 14443 | 14443 ± 2 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 1050692864 | 1050692864 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 1050692864 | 1050692864 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000791370869 | 0.000791368075 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.00106757879 | 0.00106757123 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 604 | 604 ± 0.2 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 60.232254 | 60.232254 ± 0.5 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 2.58473921 | 2.58473921 ± 0.04 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 69.9473343 | 69.9473343 ± 0.0625 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 0 | 0 ± 2 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 23667 | 23667 ± 2 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 1050692864 | 1050692864 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 1050692864 | 1050692864 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 2.51531601e-005 | 2.51324254e-005 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000439703465 | 0.000439726253 ± 1.25663627181805E-06 | ~ |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000791370869 | 0.000791368075 ± 1.25663627181805E-06 | ~ |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.0803999975 | 0.0803999975 | ~ |
| VehDyn_SLPHwPos_HwDeg_M_f32 | 1136.75195 | 1136.75195 | ~ |

| T | | | | ✓ |
|---------------------------------------------|-------|---------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |

| Test Step 2.20 (Repeat Count = 1) | · · |
|------------------------------------------------------------------------------------|------------------------------------------------------------------------|
| Name | Input Value |
| GetSystemTime_mS_u32(CurrentTime) | tgt_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc) | target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn_2 |
| k_AutoCntrHiSpdCntrWindow_HwDeg_f32 | 41.6642952 |
| k_AutoCntrHiSpdFilt1Kn_Hz_f32 | 0.00200000009 |
| k_AutoCntrHiSpdFilt2Kn_Hz_f32 | 0.00899999961 |
| k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32 | 338.634766 |
| k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32 | 8.68194199 |
| k_AutoCntrHiSpdTimer1VehSpd_kph_f32 | 18.1331787 |
| k_AutoCntrHiSpdTimer1_mS_u16 | 42430 |
| k_AutoCntrHiSpdTimer2_mS_u16 | 15554 |
| k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32 | 11.2356644 |
| k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32 | 269.545135 |
| k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32 | 13.7515726 |
| k_AutoCntrHiSpdTimer4VehSpd_kph_f32 | 62.7014771 |
| k_AutoCntrHiSpdTimer4_mS_u16 | 28023 |
| k_AutoCntrLoSpdCntrWindow_HwDeg_f32 | 11.1490717 |
| k_AutoCntrLoSpdFilt1Kn_Hz_f32 | 0.0049999989 |
| k_AutoCntrLoSpdFilt2Kn_Hz_f32 | 0.0560000017 |
| k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32 | 554 |
| k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32 | 20 |
| k_AutoCntrLoSpdTimer1VehSpd_kph_f32 | 123.001526 |
| k_AutoCntrLoSpdTimer1_mS_u16 | 60000 |
| k_AutoCntrLoSpdTimer2_mS_u16 | 49369 |
| k_AutoCntrPinTrqLPFCoeffKn_Hz_f32 | 0.00200000009 |
| k_SLPEnableBFCheck_Cnt_lgc | 1 |
| k_SLPHwAuthority_Uls_f32 | 0.0869999975 |
| target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 | 1112.71899 |
| target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc | 0 |
| $target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc$ | 0 |
| target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset | target_Pim_MotPosReset |





| Name | Input Value | | |
|-----------------------------------------------------------------|-----------------|----------------------------------------|--------|
| tgt_GetSystemTime_mS_u32_CurrentTime | 3039943680 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 269.545135 | 269.545135 ± 0.2 | • |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 62.7014771 | 62.7014771 ± 0.5 | • |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 13.7515726 | 13.7515726 ± 0.04 | • |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 11.2356644 | 11.2356644 ± 0.0625 | • |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 42430 | 42430 ± 2 | - |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 28023 | 28023 ± 2 | • |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 3039943680 | 3039943680 | - |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 3039943680 | 3039943680 | • |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 6.28232956e-005 | 6.28298803e-005 ± 1.25663627181805E-06 | - |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000703454018 | 0.00070346921 ± 1.25663627181805E-06 | • |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 338.634766 | 338.634766 ± 0.2 | - |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 18.1331787 | 18.1331787 ± 0.5 | • |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 8.68194199 | 8.68194199 ± 0.04 | - |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 41.6642952 | 41.6642952 ± 0.0625 | • |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 42430 | 42430 ± 2 | - |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 15554 | 15554 ± 2 | • |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 3039943680 | 3039943680 | - |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 3039943680 | 3039943680 | • |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 2.51531601e-005 | 2.51324254e-005 ± 1.25663627181805E-06 | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000113070011 | 0.000113090937 ± 1.25663627181805E-06 | • |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 554 | 554 ± 0.2 | - |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 123.001526 | 123.001526 ± 0.5 | • |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 20 | 20 ± 0.04 | - |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 11.1490717 | 11.1490717 ± 0.0625 | • |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 60000 | 60000 ± 2 | - |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 49369 | 49369 ± 2 | • |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 3039943680 | 3039943680 | - |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 3039943680 | 3039943680 | • |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 6.28232956e-005 | 6.28298803e-005 ± 1.25663627181805E-06 | • |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000703454018 | 0.00070346921 ± 1.25663627181805E-06 | • |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 2.51531601e-005 | 2.51324254e-005 ± 1.25663627181805E-06 | • |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0 | 0 | • |
| VehDyn SLPHwPos HwDeg M f32 | 0 | 0 | • |

| T . | | | | ✓ |
|---------------------------------------------|-------|---------------------------------------------|-------|--------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | • |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |

| Test Step 2.21 (Repeat Count = 1) | ▼ |
|------------------------------------------------------------------|------------------------------------------------------------------------|
| Name | Input Value |
| GetSystemTime_mS_u32(CurrentTime) | tgt_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc) | target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn_2 |
| k_AutoCntrHiSpdCntrWindow_HwDeg_f32 | 34.2725372 |
| k_AutoCntrHiSpdFilt1Kn_Hz_f32 | 0.00499999989 |
| k_AutoCntrHiSpdFilt2Kn_Hz_f32 | 0.00100000005 |
| k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32 | 339.617279 |
| k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32 | 13.0185966 |
| k_AutoCntrHiSpdTimer1VehSpd_kph_f32 | 83.5956268 |
| k_AutoCntrHiSpdTimer1_mS_u16 | 35564 |
| k_AutoCntrHiSpdTimer2_mS_u16 | 16665 |
| k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32 | 47.4165878 |
| k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32 | 345.451324 |
| k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32 | 1.04481328 |
| k_AutoCntrHiSpdTimer4VehSpd_kph_f32 | 254.828232 |
| k_AutoCntrHiSpdTimer4_mS_u16 | 46550 |
| k_AutoCntrLoSpdCntrWindow_HwDeg_f32 | 11.0835915 |
| k_AutoCntrLoSpdFilt1Kn_Hz_f32 | 0.00520000001 |
| k_AutoCntrLoSpdFilt2Kn_Hz_f32 | 0.0670000017 |
| k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32 | 261.848846 |
| k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32 | 16.7432442 |
| k_AutoCntrLoSpdTimer1VehSpd_kph_f32 | 65.1780853 |
| k_AutoCntrLoSpdTimer1_mS_u16 | 500 |
| k_AutoCntrLoSpdTimer2_mS_u16 | 16088 |
| k_AutoCntrPinTrqLPFCoeffKn_Hz_f32 | 0.00499999989 |
| k_SLPEnableBFCheck_Cnt_lgc | 0 |
| k_SLPHwAuthority_Uls_f32 | 0.0935999975 |





| Name | Input Value | | |
|------------------------------------------------------------------------|------------------------|----------------------------------------|----------|
| target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 | 1088.68604 | | |
| target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc | 1 | | |
| target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc | 1 | | |
| target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset | target_Pim_MotPosReset | | |
| tgt_GetSystemTime_mS_u32_CurrentTime | 1316564736 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 345.451324 | 345.451324 ± 0.2 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 254.828232 | 254.828232 ± 0.5 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 1.04481328 | 1.04481316 ± 0.04 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 47.4165878 | 47.4165878 ± 0.0625 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 35564 | 35564 ± 2 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 46550 | 46550 ± 2 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 1316564736 | 1316564736 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 1316564736 | 1316564736 | • |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 6.53266907e-005 | 6.53429888e-005 ± 1.25663627181805E-06 | • |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000841617584 | 0.000841592497 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 339.617279 | 339.617279 ± 0.2 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 83.5956268 | 83.5956268 ± 0.5 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 13.0185966 | 13.0185966 ± 0.04 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 34.2725372 | 34.2725372 ± 0.0625 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 35564 | 35564 ± 2 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 16665 | 16665 ± 2 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 1316564736 | 1316564736 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 1316564736 | 1316564736 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 6.28232956e-005 | 6.28298803e-005 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 1.257658e-005 | 1.25662918e-005 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 261.848846 | 261.848846 ± 0.2 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 65.1780853 | 65.1780853 ± 0.5 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 16.7432442 | 16.7432442 ± 0.04 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 11.0835915 | 11.0835915 ± 0.0625 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 500 | 500 ± 2 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 16088 | 16088 ± 2 | • |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 1316564736 | 1316564736 | - |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 1316564736 | 1316564736 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 6.53266907e-005 | 6.53429888e-005 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000841617584 | 0.000841592497 ± 1.25663627181805E-06 | ~ |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 6.28232956e-005 | 6.28298803e-005 ± 1.25663627181805E-06 | ~ |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.0935999975 | 0.0935999975 | ~ |
| VehDyn_SLPHwPos_HwDeg_M_f32 | 1088.68604 | 1088.68604 | ~ |

| T | | | | ~ |
|---------------------------------------------|-------|---------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | ~ |
| GetSystemTime mS u32 | 1 | GetSystemTime mS u32 | 1 | ✓ |

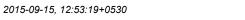
| Test Step 2.22 (Repeat Count = 1) | ✓ |
|------------------------------------------------------------------|------------------------------------------------------------------------|
| Name | Input Value |
| GetSystemTime_mS_u32(CurrentTime) | tgt_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc) | target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn_2 |
| k_AutoCntrHiSpdCntrWindow_HwDeg_f32 | 44.8276367 |
| k_AutoCntrHiSpdFilt1Kn_Hz_f32 | 0.00520000001 |
| k_AutoCntrHiSpdFilt2Kn_Hz_f32 | 0.00200000009 |
| k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32 | 219.394257 |
| k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32 | 18.4182396 |
| k_AutoCntrHiSpdTimer1VehSpd_kph_f32 | 216.505157 |
| k_AutoCntrHiSpdTimer1_mS_u16 | 53799 |
| k_AutoCntrHiSpdTimer2_mS_u16 | 17776 |
| k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32 | 12.5710239 |
| k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32 | 630.946533 |
| k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32 | 18.3842678 |
| k_AutoCntrHiSpdTimer4VehSpd_kph_f32 | 3.99484253 |
| k_AutoCntrHiSpdTimer4_mS_u16 | 50044 |
| k_AutoCntrLoSpdCntrWindow_HwDeg_f32 | 29.3483315 |
| k_AutoCntrLoSpdFilt1Kn_Hz_f32 | 0.0320999995 |
| k_AutoCntrLoSpdFilt2Kn_Hz_f32 | 0.00600000005 |
| k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32 | 674.329163 |
| k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32 | 14.6219854 |
| k_AutoCntrLoSpdTimer1VehSpd_kph_f32 | 87.195282 |
| k_AutoCntrLoSpdTimer1_mS_u16 | 25496 |





| Name | Input Value | | |
|------------------------------------------------------------------------|------------------------|----------------------------------------|----------|
| k_AutoCntrLoSpdTimer2_mS_u16 | 0 | | |
| k_AutoCntrPinTrqLPFCoeffKn_Hz_f32 | 0.00520000001 | | |
| k_SLPEnableBFCheck_Cnt_lgc | 1 | | |
| k_SLPHwAuthority_Uls_f32 | 0.100199997 | | |
| target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 | 1064.65295 | | |
| target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc | 0 | | |
| target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc | 1 | | |
| target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset | target_Pim_MotPosReset | | |
| tgt_GetSystemTime_mS_u32_CurrentTime | 2075080192 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 630.946533 | 630.946533 ± 0.2 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 3.99484253 | 3.99484253 ± 0.5 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 18.3842678 | 18.3842678 ± 0.04 | ~ |
| VehDyn AutoCntrDetSpd M str.CntrWindow HwDeg f32 | 12.5710239 | 12.5710239 ± 0.0625 | ✓ |
| VehDyn AutoCntrDetSpd M str.Timer1Thresh mS u16 | 53799 | 53799 ± 2 | ~ |
| VehDyn AutoCntrDetSpd M str.Timer2Thresh mS u16 | 50044 | 50044 ± 2 | ✓ |
| VehDyn AutoCntrDetSpd M str.Timer1 mS u32 | 2075080192 | 2075080192 | ~ |
| VehDyn AutoCntrDetSpd M str.Timer2 mS u32 | 2075080192 | 2075080192 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000403285027 | 0.000403299142 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 7.53998756e-005 | 7.53953791e-005 ± 1.25663627181805E-06 | • |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 219.394257 | 219.394257 ± 0.2 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 216.505157 | 216.505157 ± 0.5 | • |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 18.4182396 | 18.4182377 ± 0.04 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 44.8276367 | 44.8276367 ± 0.0625 | • |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 53799 | 53799 ± 2 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 17776 | 17776 ± 2 | • |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 2075080192 | 2075080192 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 2075080192 | 2075080192 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 6.53266907e-005 | 6.53429888e-005 ± 1.25663627181805E-06 | • |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 2.51531601e-005 | 2.51324254e-005 ± 1.25663627181805E-06 | • |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 674.329163 | 674.329163 ± 0.2 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 87.195282 | 87.195282 ± 0.5 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 14.6219854 | 14.6219854 ± 0.04 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 29.3483315 | 29.3483315 ± 0.0625 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 25496 | 25496 ± 2 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 0 | 0 ± 2 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 2075080192 | 2075080192 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 2075080192 | 2075080192 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000403285027 | 0.000403299142 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 7.53998756e-005 | 7.53953791e-005 ± 1.25663627181805E-06 | • |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 6.53266907e-005 | 6.53429888e-005 ± 1.25663627181805E-06 | • |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0 | 0 | ~ |
| VehDyn_SLPHwPos_HwDeg_M_f32 | 0 | 0 | - |

VehDyn_Init1





| Name | Input Value | | |
|------------------------------------------------------------------------|------------------------|----------------------------------------|----------|
| k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32 | 610.883545 | | |
| k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32 | 8.43369675 | | |
| k_AutoCntrLoSpdTimer1VehSpd_kph_f32 | 11.503067 | | |
| k_AutoCntrLoSpdTimer1_mS_u16 | 11226 | | |
| k_AutoCntrLoSpdTimer2_mS_u16 | 60000 | | |
| k_AutoCntrPinTrqLPFCoeffKn_Hz_f32 | 0.063000001 | | |
| k_SLPEnableBFCheck_Cnt_lgc | 0 | | |
| k_SLPHwAuthority_Uls_f32 | 0.106799997 | | |
| target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 | 1040.62 | | |
| target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc | 1 | | |
| target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc | 0 | | |
| target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset | target_Pim_MotPosReset | | |
| tgt_GetSystemTime_mS_u32_CurrentTime | 954802432 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 118.757027 | 118.757027 ± 0.2 | ~ |
| VehDyn AutoCntrDetSpd M str.VehSpd kph f32 | 83.8543854 | 83.8543854 ± 0.5 | ✓ |
| VehDyn AutoCntrDetSpd M str.FiltPinTrg HwNm f32 | 1.14587271 | 1.14587283 ± 0.04 | ~ |
| VehDyn AutoCntrDetSpd M str.CntrWindow HwDeg f32 | 15.953599 | 15.953599 ± 0.0625 | ~ |
| VehDyn AutoCntrDetSpd M str.Timer1Thresh mS u16 | 47432 | 47432 ± 2 | ~ |
| VehDyn AutoCntrDetSpd M str.Timer2Thresh mS u16 | 53593 | 53593 ± 2 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 954802432 | 954802432 | ~ |
| VehDyn AutoCntrDetSpd M str.Timer2 mS u32 | 954802432 | 954802432 | ~ |
| VehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32 | 0.00106757879 | 0.00106757123 ± 1.25663627181805E-06 | ~ |
| VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32 | 9.7990036e-005 | 9.80128898e-005 ± 1.25663627181805E-06 | ~ |
| VehDyn AutoCntrHiSpd M str.MtrVel MtrRadpS f32 | 11.8271809 | 11.8271809 ± 0.2 | ~ |
| VehDyn AutoCntrHiSpd M str.VehSpd kph f32 | 157.885941 | 157.885941 ± 0.5 | ~ |
| VehDyn AutoCntrHiSpd M str.FiltPinTrq HwNm f32 | 3.42799282 | 3.42799282 ± 0.04 | _ |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 66.9603653 | 66.9603653 ± 0.0625 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 47432 | 47432 ± 2 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 18887 | 18887 ± 2 | ~ |
| VehDyn AutoCntrHiSpd M str.Timer1 mS u32 | 954802432 | 954802432 | _ |
| VehDyn AutoCntrHiSpd M str.Timer2 mS u32 | 954802432 | 954802432 | ~ |
| VehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32 | 0.000791370869 | 0.000791368075 ± 1.25663627181805E-06 | _ |
| VehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32 | 0.000565350056 | 0.000565326831 ± 1.25663627181805E-06 | ~ |
| VehDyn AutoCntrLoSpd M str.MtrVel MtrRadpS f32 | 610.883545 | 610.883545 ± 0.2 | _ |
| VehDyn AutoCntrLoSpd M str.VehSpd kph f32 | 11.503067 | 11.503067 ± 0.5 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 8.43369675 | 8.43369675 ± 0.04 | _ |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 40.2867165 | 40.2867165 ± 0.0625 | ~ |
| VehDyn AutoCntrLoSpd M str.Timer1Thresh mS u16 | 11226 | 11226 ± 2 | - |
| VehDyn AutoCntrLoSpd M str.Timer2Thresh mS u16 | 60000 | 60000 ± 2 | ~ |
| VehDyn AutoCntrLoSpd M str.Timer1 mS u32 | 954802432 | 954802432 | - |
| VehDyn AutoCntrLoSpd M str.Timer2 mS u32 | 954802432 | 954802432 | ~ |
| VehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32 | 0.00106757879 | 0.00106757123 ± 1.25663627181805E-06 | J |
| VehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32 | 9.7990036e-005 | 9.80128898e-005 ± 1.25663627181805E-06 | • |
| VehDyn PinTrqSV M str.K Uls f32 | 0.000791370869 | 0.000791368075 ± 1.25663627181805E-06 | Ž |
| VehDyn SLPHwAuth Uls M f32 | 0.106799997 | 0.106799997 | ~ |
| VehDyn_SLPHwPos_HwDeg_M_f32 | 1040.62 | 1040.62 | |
| venbyn_oci riwi os_riwbeg_ivi_loz | 1040.02 | 1070.02 | |

| Τ | | | | ✓ |
|---------------------------------------------|-------|---------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | ~ |
| GetSystemTime mS u32 | 1 | GetSystemTime mS u32 | 1 | ✓ |

| Test Step 2.24 (Repeat Count = 1) | ✓ |
|------------------------------------------------------------------|------------------------------------------------------------------------|
| Name | Input Value |
| GetSystemTime_mS_u32(CurrentTime) | tgt_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc) | target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn_2 |
| k_AutoCntrHiSpdCntrWindow_HwDeg_f32 | 85.3555756 |
| k_AutoCntrHiSpdFilt1Kn_Hz_f32 | 0.00200000009 |
| k_AutoCntrHiSpdFilt2Kn_Hz_f32 | 0.00899999961 |
| k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32 | 192.424347 |
| k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32 | 1.4601928 |
| k_AutoCntrHiSpdTimer1VehSpd_kph_f32 | 193.415466 |
| k_AutoCntrHiSpdTimer1_mS_u16 | 37774 |
| k_AutoCntrHiSpdTimer2_mS_u16 | 19998 |
| k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32 | 50.4557152 |
| k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32 | 578.624756 |
| k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32 | 10.2086525 |
| k_AutoCntrHiSpdTimer4VehSpd_kph_f32 | 182.197632 |





| Name | Input Value | | |
|------------------------------------------------------------------------|------------------------|----------------------------------------|-------|
| k_AutoCntrHiSpdTimer4_mS_u16 | 27106 | | |
| k_AutoCntrLoSpdCntrWindow_HwDeg_f32 | 56.4612427 | | |
| k_AutoCntrLoSpdFilt1Kn_Hz_f32 | 0.00899999961 | | |
| k_AutoCntrLoSpdFilt2Kn_Hz_f32 | 0.00899999961 | | |
| k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32 | 39.4220428 | | |
| k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32 | 3 | | |
| k_AutoCntrLoSpdTimer1VehSpd_kph_f32 | 123.501587 | | |
| k_AutoCntrLoSpdTimer1_mS_u16 | 29729 | | |
| k_AutoCntrLoSpdTimer2_mS_u16 | 2000 | | |
| k_AutoCntrPinTrqLPFCoeffKn_Hz_f32 | 0.00200000009 | | |
| k_SLPEnableBFCheck_Cnt_lgc | 1 | | |
| k_SLPHwAuthority_Uls_f32 | 0.113399997 | | |
| target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 | 1016.58698 | | |
| target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc | 0 | | |
| target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc | 1 | | |
| target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset | target_Pim_MotPosReset | | |
| tgt_GetSystemTime_mS_u32_CurrentTime | 2728878080 | | |
| Name | Actual Value | Expected Value | Resul |
| VehDyn AutoCntrDetSpd M str.MtrVel MtrRadpS f32 | 578.624756 | 578.624756 ± 0.2 | • |
| VehDyn AutoCntrDetSpd M str.VehSpd kph f32 | 182.197632 | 182.197632 ± 0.5 | |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 10.2086525 | 10.2086525 ± 0.04 | ٠, |
| VehDyn AutoCntrDetSpd M str.CntrWindow HwDeg f32 | 50.4557152 | 50.4557152 ± 0.0625 | |
| VehDyn AutoCntrDetSpd M str.Timer1Thresh mS u16 | 37774 | 37774 ± 2 | ٠, |
| VehDyn AutoCntrDetSpd M str.Timer2Thresh mS u16 | 27106 | 27106 ± 2 | |
| VehDyn AutoCntrDetSpd M str.Timer1 mS u32 | 2728878080 | 2728878080 | |
| VehDyn AutoCntrDetSpd M str.Timer2 mS u32 | 2728878080 | 2728878080 | |
| VehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32 | 0.000113070011 | 0.000113090937 ± 1.25663627181805E-06 | ٠, |
| VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32 | 0.000113070011 | 0.000113090937 ± 1.25663627181805E-06 | |
| VehDyn AutoCntrHiSpd M str.MtrVel MtrRadpS f32 | 192.424347 | 192.424347 ± 0.2 | ٠, |
| VehDyn AutoCntrHiSpd M str.VehSpd kph f32 | 193.415466 | 193.415466 ± 0.5 | |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 1.4601928 | 1.4601928 ± 0.04 | ٠, |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 85.3555756 | 85.3555756 ± 0.0625 | |
| VehDyn AutoCntrHiSpd M str.Timer1Thresh mS u16 | 37774 | 37774 ± 2 | ٠, |
| VehDyn AutoCntrHiSpd M str.Timer2Thresh mS u16 | 19998 | 19998 ± 2 | |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 2728878080 | 2728878080 | ٠, |
| VehDyn AutoCntrHiSpd M str.Timer2 mS u32 | 2728878080 | 2728878080 | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 2.51531601e-005 | 2.51324254e-005 ± 1.25663627181805E-06 | |
| VehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32 | 0.000113070011 | 0.000113090937 ± 1.25663627181805E-06 | |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 39.4220428 | 39.4220428 ± 0.2 | ٠, |
| VehDyn AutoCntrLoSpd M str.VehSpd kph f32 | 123.501587 | 123.501587 ± 0.5 | |
| VehDyn AutoCntrLoSpd M str.FiltPinTrg HwNm f32 | 3 | 3 ± 0.04 | |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 56.4612427 | 56.4612427 ± 0.0625 | |
| VehDyn AutoCntrLoSpd M str.Timer1Thresh mS u16 | 29729 | 29729 ± 2 | ٠, |
| VehDyn AutoCntrLoSpd M str.Timer2Thresh mS u16 | 2000 | 2000 ± 2 | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 2728878080 | 2728878080 | |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 2728878080 | 2728878080 | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000113070011 | 0.000113090937 ± 1.25663627181805E-06 | |
| VehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32 | 0.000113070011 | 0.000113090937 ± 1.25663627181805E-06 | |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 2.51531601e-005 | 2.51324254e-005 ± 1.25663627181805E-06 | |
| VehDyn SLPHwAuth Uls M f32 | 0 | 0 | |
| VehDyn SLPHwPos HwDeg M f32 | 0 | 0 | |

| T | | | | V |
|---------------------------------------------|-------|---------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ✓ |

| Name | Input Value |
|------------------------------------------------------------------|------------------------------------------------------------------------|
| GetSystemTime_mS_u32(CurrentTime) | tgt_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc) | target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn_2 |
| k_AutoCntrHiSpdCntrWindow_HwDeg_f32 | 47.2272682 |
| k_AutoCntrHiSpdFilt1Kn_Hz_f32 | 0.0049999989 |
| k_AutoCntrHiSpdFilt2Kn_Hz_f32 | 0.0250000004 |
| k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32 | 407.382568 |
| k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32 | 5.11670542 |
| k_AutoCntrHiSpdTimer1VehSpd_kph_f32 | 171.811264 |
| k_AutoCntrHiSpdTimer1_mS_u16 | 44272 |
| k AutoCntrHiSpdTimer2 mS u16 | 21109 |





| Nome | Input Value | | |
|------------------------------------------------------------------------|--------------------------|----------------------------------------|----------|
| Name k AutoCatrHiSadTimor4CatrlMindow HurDog #22 | Input Value | | |
| k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32 | 84.4373398 457.561249 | | |
| k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32 | 9.91502762 | | |
| k_AutoCntrHiSpdTimer4VohSpd_kph_f32 | 73.4022675 | | |
| k_AutoCntrHiSpdTimer4VehSpd_kph_f32 | | | |
| k_AutoCntrHiSpdTimer4_mS_u16 | 15330 | | |
| k_AutoCntrLoSpdCntrWindow_HwDeg_f32 | 31.4061165 | | |
| k_AutoCntrLoSpdFilt1Kn_Hz_f32 | 0.000199999995 | | |
| k_AutoCntrLoSpdFilt2Kn_Hz_f32 | 0.0231999997 | | |
| k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32 | 665.639221 3.52301908 | | |
| k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32 | | | |
| k_AutoCntrLoSpdTimer1VehSpd_kph_f32 | 52.7404022 | | |
| k_AutoCntrLoSpdTimer1_mS_u16 | 58388 | | |
| k_AutoCntrLoSpdTimer2_mS_u16 | 25970 | | |
| k_AutoCntrPinTrqLPFCoeffKn_Hz_f32 | 0.00499999989 | | |
| k_SLPEnableBFCheck_Cnt_lgc | 0 | | |
| k_SLPHwAuthority_Uls_f32 | 0.119999997 | | |
| target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 | 992.554016 | | |
| target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc | 1 | | |
| target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc | 0 | | |
| target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset | target_Pim_MotPosReset | | |
| tgt_GetSystemTime_mS_u32_CurrentTime | 824746752 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 457.561249 | 457.561249 ± 0.2 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 73.4022675 | 73.4022675 ± 0.5 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 9.91502762 | 9.91502762 ± 0.04 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 84.4373398 | 84.4373398 ± 0.0625 | • |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 44272 | 44272 ± 2 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 15330 | 15330 ± 2 | • |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 824746752 | 824746752 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 824746752 | 824746752 | • |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 2.50339508e-006 | 2.51327106e-006 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000291526318 | 0.000291497301 ± 1.25663627181805E-06 | • |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 407.382568 | 407.382568 ± 0.2 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 171.811264 | 171.811264 ± 0.5 | • |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 5.11670542 | 5.11670542 ± 0.04 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 47.2272682 | 47.2272682 ± 0.0625 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 44272 | 44272 ± 2 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 21109 | 21109 ± 2 | • |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 824746752 | 824746752 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 824746752 | 824746752 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 6.28232956e-005 | 6.28298803e-005 ± 1.25663627181805E-06 | • |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000314116478 | 0.00031410993 ± 1.25663627181805E-06 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 665.639221 | 665.639221 ± 0.2 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 52.7404022 | 52.7404022 ± 0.5 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 3.52301908 | 3.52301908 ± 0.04 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 31.4061165 | 31.4061165 ± 0.0625 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 58388 | 58388 ± 2 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 25970 | 25970 ± 2 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 824746752 | 824746752 | ~ |
| VehDyn AutoCntrLoSpd M str.Timer2 mS u32 | 824746752 | 824746752 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 2.50339508e-006 | 2.51327106e-006 ± 1.25663627181805E-06 | • |
| VehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32 | 0.000291526318 | 0.000291497301 ± 1.25663627181805E-06 | ~ |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 6.28232956e-005 | 6.28298803e-005 ± 1.25663627181805E-06 | |
| VehDyn SLPHwAuth Uls M f32 | 0.119999997 | 0.119999997 | • |
| VehDyn_SLPHwPos_HwDeg_M_f32 | 992.554016 | 992.554016 | ~ |
| | | | |

| Τ | | | | ✓ |
|---------------------------------------------|-------|---------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ✓ |

| Test Step 2.26 (Repeat Count = 1) | |
|------------------------------------------------------------------|------------------------------------------------------------------------|
| Name | Input Value |
| GetSystemTime_mS_u32(CurrentTime) | tgt_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc) | target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn_2 |
| k_AutoCntrHiSpdCntrWindow_HwDeg_f32 | 3.12775111 |
| k_AutoCntrHiSpdFilt1Kn_Hz_f32 | 0.00520000001 |
| k_AutoCntrHiSpdFilt2Kn_Hz_f32 | 0.063000001 |
| k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32 | 602.94635 |





| Name | Input Value | | |
|------------------------------------------------------------------------------------------------|------------------------|----------------------------------------|--------|
| k AutoCntrHiSpdTimer1PinTrg HwNm f32 | 10.0753288 | | |
| k AutoCntrHiSpdTimer1VehSpd kph f32 | 221.670746 | | |
| k AutoCntrHiSpdTimer1 mS u16 | 58454 | | |
| k AutoCntrHiSpdTimer2 mS u16 | 22220 | | |
| k AutoCntrHiSpdTimer4CntrWindow HwDeg f32 | 68.7160416 | | |
| k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32 | 155.820129 | | |
| k AutoCntrHiSpdTimer4PinTrg HwNm f32 | 2.29925823 | | |
| k_AutoCntrHiSpdTimer4VehSpd_kph_f32 | 81.0852356 | | |
| k_AutoCntrHiSpdTimer4_mS_u16 | 20609 | | |
| k AutoCntrLoSpdCntrWindow HwDeg f32 | 29.8536549 | | |
| k AutoCntrLoSpdFilt1Kn Hz f32 | 0.100000001 | | |
| k_AutoCntrLoSpdFilt2Kn_Hz_f32 | 0.00249999994 | | |
| k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32 | 255.177094 | | |
| k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32 | 3.44891739 | | |
| k_AutoCntrLoSpdTimer1VehSpd_kph_f32 | 221.320831 | | |
| k_AutoCntrLoSpdTimer1_mS_u16 | 46162 | | |
| k_AutoCntrLoSpdTimer2_mS_u16 | 50158 | | |
| k_AutoCntrPinTrqLPFCoeffKn_Hz_f32 | 0.00520000001 | | |
| k_SLPEnableBFCheck_Cnt_lgc | 1 | | |
| k_SLPHwAuthority_Uls_f32 | 0.126599997 | | |
| target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 | 968.520996 | | |
| target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc | 0 | | |
| $target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc$ | 1 | | |
| target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset | target_Pim_MotPosReset | | |
| tgt_GetSystemTime_mS_u32_CurrentTime | 309385728 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 155.820129 | 155.820129 ± 0.2 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 81.0852356 | 81.0852356 ± 0.5 | • |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 2.29925823 | 2.29925823 ± 0.04 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 68.7160416 | 68.7160416 ± 0.0625 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 58454 | 58454 ± 2 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 20609 | 20609 ± 2 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 309385728 | 309385728 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 309385728 | 309385728 | • |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.00125586987 | 0.00125584786 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 3.14116478e-005 | 3.14154313e-005 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 602.94635 | 602.94635 ± 0.2 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 221.670746 | 221.670746 ± 0.5 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 10.0753288 | 10.0753288 ± 0.04 | |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 3.12775111 | 3.12775087 ± 0.0625 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 58454 | 58454 ± 2 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 22220 | 22220 ± 2 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 309385728 | 309385728 | |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 309385728 | 309385728 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 6.53266907e-005 | 6.53429888e-005 ± 1.25663627181805E-06 | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000791370869 | 0.000791368075 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 255.177094 | 255.177094 ± 0.2 | - |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 221.320831 | 221.320831 ± 0.5 | • |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 3.44891739 | 3.44891739 ± 0.04 | - |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 29.8536549 46162 | 29.8536549 ± 0.0625 | |
| | | 46162 ± 2 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 50158 309385728 | 50158 ± 2 309385728 | 2 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 309385728 | 309385728 | - |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.00125586987 | 0.00125584786 ± 1.25663627181805E-06 | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 3.14116478e-005 | 3.14154313e-005 ± 1.25663627181805E-06 | ~ |
| VehDyn PinTrqSV M str.K Uls f32 | 6.53266907e-005 | 6.53429888e-005 ± 1.25663627181805E-06 | |
| VehDyn SLPHwAuth Uls M f32 | 0 | 0 | - |
| VehDyn_SLPHwPos_HwDeg_M_f32 | 0 | 0 | |
| 13.13 J.1_3 L. 11111 30_1111309_111_10E | ~ | • | |

| Τ | | | | ✓ |
|---------------------------------------------|-------|---------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |

| Test Step 2.27 (Repeat Count = 1) | | ✓ |
|----------------------------------------------------------------------------|------------------------------------------------------------------------|----------|
| Name | Input Value | |
| GetSystemTime_mS_u32(CurrentTime) | tgt_GetSystemTime_mS_u32_CurrentTime | |
| $Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)$ | target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc | |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn_2 | |





| Name | Input Value | | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|
| k_AutoCntrHiSpdCntrWindow_HwDeg_f32 | 23.8171101 | | |
| k_AutoCntrHiSpdFilt1Kn_Hz_f32 | 0.0759999976 | | |
| k_AutoCntrHiSpdFilt2Kn_Hz_f32 | 0.00200000009 | | |
| k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32 | 79.877243 | | |
| k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32 | 3.8524735 | | |
| k_AutoCntrHiSpdTimer1VehSpd_kph_f32 | 164.951675 | | |
| k_AutoCntrHiSpdTimer1_mS_u16 | 16138 | | |
| k_AutoCntrHiSpdTimer2_mS_u16 | 23331 | | |
| k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32 | 78.1467133 | | |
| k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32 | 32.7761002 | | |
| k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32 | 2.07399654 | | |
| k_AutoCntrHiSpdTimer4VehSpd_kph_f32 | 38.1457062 | | |
| k_AutoCntrHiSpdTimer4_mS_u16 | 46166 | | |
| k_AutoCntrLoSpdCntrWindow_HwDeg_f32 | 81.6020432 | | |
| k_AutoCntrLoSpdFilt1Kn_Hz_f32 | 0.000300000014 | | |
| k_AutoCntrLoSpdFilt2Kn_Hz_f32 | 0.00600000005 | | |
| k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32 | 367.93277 | | |
| k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32 | 10.7041206 | | |
| k_AutoCntrLoSpdTimer1VehSpd_kph_f32 | 150.688919 | | |
| k_AutoCntrLoSpdTimer1_mS_u16 | 22835 | | |
| k_AutoCntrLoSpdTimer2_mS_u16 | 13127 | | |
| k_AutoCntrPinTrqLPFCoeffKn_Hz_f32 | 0.0759999976 | | |
| k_SLPEnableBFCheck_Cnt_lgc | 0 | | |
| k_SLPHwAuthority_Uls_f32 | 0.133200005 | | |
| target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 | 944.487976 | | |
| target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_Igc | 1 | | |
| target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc | 0 | | |
| target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset | target_Pim_MotPosReset 4164171008 | | |
| tgt_GetSystemTime_mS_u32_CurrentTime | | From a set of Walters | D 14 |
| Name | Actual Value | Expected Value | Result |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 32.7761002 | 32.7761002 ± 0.2 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 38.1457062 | 38.1457062 ± 0.5 | |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 2.07399654 | 2.07399654 ± 0.04 | - |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 78.1467133 16138 | 78.1467133 ± 0.0625 16138 ± 2 | |
| VehDyn_AutoCotrDetSpd_M_str.Timer1Thresh_mS_u16 | | 46166 ± 2 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 46166 4164171008 | 4164171008 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_m5_u32 | 4164171008 | 4164171008 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 3.75509262e-006 | 3.76990397e-006 ± 1.25663627181805E-06 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 7.53998756e-005 | 7.53953791e-005 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 79.877243 | 79.877243 ± 0.2 | - |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 164.951675 | 164.951675 ± 0.5 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 3.8524735 | 3.8524735 ± 0.04 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 23.8171101 | | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | | 23.81/1101 ± 0.0625 | |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | | 23.8171101 ± 0.0625 16138 ± 2 | - |
| | 16138 | 16138 ± 2 | |
| | 16138 23331 | 16138 ± 2 23331 ± 2 | |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 16138 | 16138 ± 2 | |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 16138 23331 4164171008 | 16138 ± 2 23331 ± 2 4164171008 | * |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 16138 23331 4164171008 4164171008 | 16138 ± 2 23331 ± 2 4164171008 4164171008 | \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 16138 23331 4164171008 4164171008 0.000954568386 | 16138 ± 2 23331 ± 2 4164171008 4164171008 0.000954588235 ± 1.25663627181805E-06 | \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 16138 23331 4164171008 4164171008 0.000954568386 2.51531601e-005 | 16138 ± 2 23331 ± 2 4164171008 4164171008 0.000954588235 ± 1.25663627181805E-06 2.51324254e-005 ± 1.25663627181805E-06 | \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 16138 23331 4164171008 4164171008 0.000954568386 2.51531601e-005 367.93277 | 16138 ± 2 23331 ± 2 4164171008 4164171008 0.000954588235 ± 1.25663627181805E-06 2.51324254e-005 ± 1.25663627181805E-06 367.93277 ± 0.2 | *** |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 16138 23331 4164171008 4164171008 0.000954568386 2.51531601e-005 367.93277 150.688919 | 16138 ± 2 23331 ± 2 4164171008 4164171008 0.000954588235 ± 1.25663627181805E-06 2.51324254e-005 ± 1.25663627181805E-06 367.93277 ± 0.2 150.688919 ± 0.5 | *** |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 16138 23331 4164171008 4164171008 0.000954568386 2.51531601e-005 367.93277 150.688919 10.7041206 | 16138 ± 2 23331 ± 2 4164171008 4164171008 0.000954588235 ± 1.25663627181805E-06 2.51324254e-005 ± 1.25663627181805E-06 367.93277 ± 0.2 150.688919 ± 0.5 10.7041206 ± 0.04 | *** |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 16138 23331 4164171008 4164171008 0.000954568386 2.51531601e-005 367.93277 150.688919 10.7041206 81.6020432 | 16138 ± 2 23331 ± 2 4164171008 4164171008 0.000954588235 ± 1.25663627181805E-06 2.51324254e-005 ± 1.25663627181805E-06 367.93277 ± 0.2 150.688919 ± 0.5 10.7041206 ± 0.04 81.6020432 ± 0.0625 | *** |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 16138 23331 4164171008 4164171008 0.000954568386 2.51531601e-005 367.93277 150.688919 10.7041206 81.6020432 22835 | 16138 ± 2 23331 ± 2 4164171008 4164171008 0.000954588235 ± 1.25663627181805E-06 2.51324254e-005 ± 1.25663627181805E-06 367.93277 ± 0.2 150.688919 ± 0.5 10.7041206 ± 0.04 81.6020432 ± 0.0625 22835 ± 2 | *************************************** |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 16138 23331 4164171008 4164171008 0.000954568386 2.51531601e-005 367.93277 150.688919 10.7041206 81.6020432 22835 13127 | 16138 ± 2 23331 ± 2 4164171008 4164171008 0.000954588235 ± 1.25663627181805E-06 2.51324254e-005 ± 1.25663627181805E-06 367.93277 ± 0.2 150.688919 ± 0.5 10.7041206 ± 0.04 81.6020432 ± 0.0625 22835 ± 2 13127 ± 2 | *************************************** |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 16138 23331 4164171008 4164171008 0.000954568386 2.51531601e-005 367.93277 150.688919 10.7041206 81.6020432 22835 13127 4164171008 | 16138 ± 2 23331 ± 2 4164171008 4164171008 0.000954588235 ± 1.25663627181805E-06 2.51324254e-005 ± 1.25663627181805E-06 367.93277 ± 0.2 150.688919 ± 0.5 10.7041206 ± 0.04 81.6020432 ± 0.0625 22835 ± 2 13127 ± 2 4164171008 | *************************************** |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 16138 23331 4164171008 4164171008 0.000954568386 2.51531601e-005 367.93277 150.688919 10.7041206 81.6020432 22835 13127 4164171008 4164171008 | 16138 ± 2 23331 ± 2 4164171008 4164171008 0.000954588235 ± 1.25663627181805E-06 2.51324254e-005 ± 1.25663627181805E-06 367.93277 ± 0.2 150.688919 ± 0.5 10.7041206 ± 0.04 81.6020432 ± 0.0625 22835 ± 2 13127 ± 2 4164171008 4164171008 | *************************************** |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_PinTrqSV_M_str.K_Uls_f32 | 16138 23331 4164171008 4164171008 0.000954568386 2.51531601e-005 367.93277 150.688919 10.7041206 81.6020432 22835 13127 4164171008 4164171008 4164171008 3.75509262e-006 | 16138 ± 2 23331 ± 2 4164171008 4164171008 0.000954588235 ± 1.25663627181805E-06 2.51324254e-005 ± 1.25663627181805E-06 367.93277 ± 0.2 150.688919 ± 0.5 10.7041206 ± 0.04 81.6020432 ± 0.0625 22835 ± 2 13127 ± 2 4164171008 4164171008 3.76990397e-006 ± 1.25663627181805E-06 | *************************************** |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 16138 23331 4164171008 4164171008 0.000954568386 2.51531601e-005 367.93277 150.688919 10.7041206 81.6020432 22835 13127 4164171008 4164171008 4164171008 3.75509262e-006 7.53998756e-005 | 16138 ± 2 23331 ± 2 4164171008 4164171008 0.000954588235 ± 1.25663627181805E-06 2.51324254e-005 ± 1.25663627181805E-06 367.93277 ± 0.2 150.688919 ± 0.5 10.7041206 ± 0.04 81.6020432 ± 0.0625 22835 ± 2 13127 ± 2 4164171008 4164171008 4164171008 3.76990397e-006 ± 1.25663627181805E-06 7.53953791e-005 ± 1.25663627181805E-06 | *************************************** |

| T . | | | | |
|---------------------------------------------|-------|---------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ✓ |





| Test Step 2.28 (Repeat Count = 1) Name | Input Value | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|
| | • | |
| GetSystemTime_mS_u32(CurrentTime) | tgt_GetSystemTime_mS_u32_CurrentTime | |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc) | target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc | |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn_2 | |
| k_AutoCntrHiSpdCntrWindow_HwDeg_f32 | 37.7641106 | |
| k_AutoCntrHiSpdFilt1Kn_Hz_f32 | 0.0225000009 | |
| k_AutoCntrHiSpdFilt2Kn_Hz_f32 | 0.0049999989 | |
| k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32 | 12.4052467 | |
| k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32 | 16.2494946 | |
| k_AutoCntrHiSpdTimer1VehSpd_kph_f32 | 168.530762 | |
| k_AutoCntrHiSpdTimer1_mS_u16 | 18642 | |
| k_AutoCntrHiSpdTimer2_mS_u16 | 24442 | |
| k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32 | 5.24184275 | |
| k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32 | 638.897888 | |
| k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32 | 7.65499401 | |
| k_AutoCntrHiSpdTimer4VehSpd_kph_f32 | 82.6361694 | |
| k_AutoCntrHiSpdTimer4_mS_u16 | 51569 | |
| k_AutoCntrLoSpdCntrWindow_HwDeg_f32 | 31.2713699 | |
| k_AutoCntrLoSpdFilt1Kn_Hz_f32 | 0.0350000001 | |
| k_AutoCntrLoSpdFilt2Kn_Hz_f32 | 0.000199999995 | |
| k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32 | 537.7453 | |
| k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32 | 8.52731705 | |
| k AutoCntrLoSpdTimer1VehSpd kph f32 | 193.256531 | |
| k AutoCntrLoSpdTimer1 mS u16 | 29076 | |
| k AutoCntrLoSpdTimer2 mS u16 | 43868 | |
| k_AutoCntrPinTrqLPFCoeffKn_Hz_f32 | 0.0225000009 | |
| k SLPEnableBFCheck Cnt Igc | 1 | |
| | 0.139799997 | |
| k_SLPHwAuthority_UIs_f32 | | |
| target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 | 920.455017 | |
| target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc | 0 | |
| target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc | 1 | |
| target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset | target_Pim_MotPosReset | |
| tgt_GetSystemTime_mS_u32_CurrentTime | 437658624 | |
| Name | Actual Value Expected Value | Resu |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 638.897888 ± 0.2 | |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 82.6361694 ± 0.5 | |
| | | |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 7.65499401 | |
| | 7.65499401 7.65499401 ± 0.04 5.24184275 5.24184275 ± 0.0625 | |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | | |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 5.24184275 | |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 5.24184275 5.24184275 ± 0.0625 18642 18642 ± 2 51569 51569 ± 2 | |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 5.24184275 5.24184275 ± 0.0625 18642 18642 ± 2 51569 51569 ± 2 437658624 437658624 | |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 5.24184275 5.24184275 ± 0.0625 18642 18642 ± 2 51569 51569 ± 2 437658624 437658624 437658624 437658624 | |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 5.24184275 5.24184275 ± 0.0625 18642 18642 ± 2 51569 51569 ± 2 437658624 437658624 437658624 437658624 0.000439703465 0.000439726253 ± 1.25663627181805E-06 | |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 5.24184275 5.24184275 ± 0.0625 18642 18642 ± 2 51569 51569 ± 2 437658624 437658624 437658624 437658624 0.000439703465 0.000439726253 ± 1.25663627181805E-06 2.50339508e-006 2.51327106e-006 ± 1.25663627181805E-06 | |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 5.24184275 5.24184275 ± 0.0625 18642 18642 ± 2 51569 51569 ± 2 437658624 437658624 437658624 437658624 0.000439703465 0.000439726253 ± 1.25663627181805E-06 2.50339508e-006 2.51327106e-006 ± 1.25663627181805E-06 12.4052467 12.4052467 ± 0.2 | |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 5.24184275 5.24184275 ± 0.0625 18642 18642 ± 2 51569 51569 ± 2 437658624 437658624 437658624 437658624 0.000439703465 0.000439726253 ± 1.25663627181805E-06 2.50339508e-006 2.51327106e-006 ± 1.25663627181805E-06 12.4052467 12.4052467 ± 0.2 168.530762 168.530762 ± 0.5 | |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 5.24184275 5.24184275 ± 0.0625 18642 18642 ± 2 51569 51569 ± 2 437658624 437658624 437658624 437658624 0.000439703465 0.000439726253 ± 1.25663627181805E-06 2.50339508e-006 2.51327106e-006 ± 1.25663627181805E-06 12.4052467 12.4052467 ± 0.2 168.530762 168.530762 ± 0.5 16.2494946 16.2494946 ± 0.04 | |
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| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.NtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.WtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.FiitPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.FiitPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.FiitPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u36 | 5.24184275 5.24184275 ± 0.0625 18642 18642 ± 2 51569 51569 ± 2 437658624 437658624 437658624 437658624 0.000439703465 0.000439726253 ± 1.25663627181805E-06 2.50339508e-006 2.51327106e-006 ± 1.25663627181805E-06 12.4052467 12.4052467 ± 0.2 186.530762 168.530762 ± 0.5 16.2494946 16.2494946 ± 0.04 37.7641106 37.7641106 ± 0.0625 18642 18642 ± 2 24442 24442 ± 2 437658624 437658624 437658624 437658624 0.00028270483 0.000282703375 ± 1.25663627181805E-06 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E-06 537.7453 537.7453 ± 0.2 193.256531 193.256531 ± 0.5 8.52731705 8.52731705 ± 0.04 31.2713699 31.2713699 ± 0.0625 29076 29076 ± 2 43868 43868 ± 2 437658624 437658624 | |
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| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiitPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFiit2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFiit3SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 5.24184275 5.24184275 ± 0.0625 18642 18642 ± 2 51569 51569 ± 2 437658624 437658624 437658624 437658624 0.000439703465 0.000439726253 ± 1.25663627181805E-06 2.50339508e-006 2.51327106e-006 ± 1.25663627181805E-06 12.4052467 12.4052467 ± 0.2 168.530762 168.530762 ± 0.5 16.2494946 16.2494946 ± 0.04 37.7641106 37.7641106 ± 0.0625 18642 18642 ± 2 24442 24442 ± 2 437658624 437658624 437658624 437658624 0.00028270483 0.000282703375 ± 1.25663627181805E-06 537.7453 537.7453 ± 0.2 193.256531 193.256531 ± 0.5 8.52731705 8.52731705 ± 0.04 31.2713699 31.2713699 ± 0.0625 29076 29076 ± 2 43868 43868 ± 2 437658624 437658624 437658624 437658624 0.000439703465 0.000439726253 ± 1.25663627181805E-06 | |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiitPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFiit2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 5.24184275 5.24184275 ± 0.0625 18642 18642 ± 2 51569 51569 ± 2 437658624 437658624 437658624 437658624 0.000439703465 0.000439726253 ± 1.25663627181805E-06 2.50339508e-006 2.51327106e-006 ± 1.25663627181805E-06 12.4052467 12.4052467 ± 0.2 168.530762 168.530762 ± 0.5 16.2494946 16.2494946 ± 0.04 37.7641106 37.7641106 ± 0.0625 18642 18642 ± 2 24442 24442 ± 2 437658624 437658624 437658624 437658624 0.00028270483 0.000282703375 ± 1.25663627181805E-06 537.7453 537.7453 ± 0.2 193.256631 193.256631 ± 0.5 8.52731705 8.52731705 ± 0.04 31.2713699 31.2713699 ± 0.0625 29076 29076 ± 2 43868 43868 ± 2 437658624 437658624 437658624 437658624 0.000439703465 0.000439726253 ± 1.25663627181805E-06 2.50339508e-006 2.51327106e-006 ± 1.25663627181805E-06 <td></td> | |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.NelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt3SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 5.24184275 5.24184275 ± 0.0625 18642 18642 ± 2 51569 51569 ± 2 437658624 437658624 437658624 437658624 0.000439703465 0.000439726253 ± 1.25663627181805E-06 2.50339508e-006 2.51327106e-006 ± 1.25663627181805E-06 12.4052467 12.4052467 ± 0.2 168.530762 168.530762 ± 0.5 16.2494946 16.2494946 ± 0.04 37.7641106 37.7641106 ± 0.0625 18642 18642 ± 2 24442 24442 ± 2 437658624 437658624 437658624 437658624 0.00028270483 0.000282703375 ± 1.25663627181805E-06 537.7453 537.7453 ± 0.2 193.256531 193.256531 ± 0.5 8.52731705 8.52731705 ± 0.04 31.2713699 31.2713699 ± 0.0625 29076 29076 ± 2 43868 43868 ± 2 437658624 437658624 437658624 437658624 0.000439703465 0.000439726253 ± 1.25663627181805E-06 | |



| Τ | | | | | |
|---------------------------------------------|-------|---------------------------------------------|-------|----------|--|
| Actual Function | Count | Expected Function | Count | Result | |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | ~ | |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ✓ | |

| Test Step 2.29 (Repeat Count = 1) Name | Input Value | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
| | tgt_GetSystemTime_mS_u32_CurrentTime | |
| GetSystemTime_mS_u32(CurrentTime) Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc) | | • |
| Rte_Call_Ap_vehDyn_Nxtrblaghigi_Geti\rangle CActive(\rangle tractive_Ftt_1_igc) | target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lg target_Rte_Inst_Ap_VehDyn_2 | C |
| k AutoCntrHiSpdCntrWindow HwDeg f32 | 39.3153801 | |
| k_AutoCntrHiSpdFilt1Kn_Hz_f32 | 0.063000001 | |
| | 0.0491000004 | |
| k_AutoCntrHiSpdFilt2Kn_Hz_f32 | 349.296539 | |
| k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32 | | |
| k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32 | 1.81056666 | |
| k_AutoCntrHiSpdTimer1VehSpd_kph_f32 | 65.5278778 | |
| k_AutoCntrHiSpdTimer1_mS_u16 | 35706 | |
| k_AutoCntrHiSpdTimer2_mS_u16 | 25553 | |
| k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32 | 23.2325249 | |
| k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32 | 344.000977 | |
| k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32 | 1.13386405 | |
| k_AutoCntrHiSpdTimer4VehSpd_kph_f32 | 122.149155 | |
| k_AutoCntrHiSpdTimer4_mS_u16 | 10394 | |
| k_AutoCntrLoSpdCntrWindow_HwDeg_f32 | 37.9574203 | |
| k_AutoCntrLoSpdFilt1Kn_Hz_f32 | 0.0560000017 | |
| k_AutoCntrLoSpdFilt2Kn_Hz_f32 | 0.100000001 | |
| k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32 | 37.5066719 | |
| k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32 | 2.22880888 | |
| k_AutoCntrLoSpdTimer1VehSpd_kph_f32 | 237.538071 | |
| k_AutoCntrLoSpdTimer1_mS_u16 | 32821 | |
| k_AutoCntrLoSpdTimer2_mS_u16 | 53946 | |
| k_AutoCntrPinTrqLPFCoeffKn_Hz_f32 | 0.063000001 | |
| k_SLPEnableBFCheck_Cnt_lgc | 0 | |
| k_SLPHwAuthority_Uls_f32 | 0.146400005 | |
| target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 | 896.421997 | |
| target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc | 1 | |
| $target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc$ | 1 | |
| target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset | target_Pim_MotPosReset | |
| tgt_GetSystemTime_mS_u32_CurrentTime | 3941357312 | |
| Name | Actual Value Expected Value | Res |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 344.000977 ± 0.2 | |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 122.149155 ± 0.5 | |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 1.13386405 1.13386393 ± 0.04 | |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 23.2325249 ± 0.0625 | |
| ValaDum AutoCataDatOnd Mata TimondTheorie and Color | | |
| venDyn_AutoCntrDetSpa_M_str. limer i i hresh_mS_u16 | 35706 ± 2 | |
| | 35706 ± 2 10394 10394 ± 2 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | | |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 10394 10394 ± 2 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 10394 10394 ± 2 3941357312 3941357312 | 305E-06 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 10394 10394 ± 2 3941357312 3941357312 3941357312 3941357312 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 10394 10394 ± 2 3941357312 3941357312 3941357312 3941357312 0.000703454018 0.00070346921 ± 1.256636271818 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 10394 10394 ± 2 3941357312 3941357312 3941357312 3941357312 0.000703454018 0.00070346921 ± 1.256636271818 0.00125586987 0.00125584786 ± 1.256636271818 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 10394 10394 ± 2 3941357312 3941357312 3941357312 3941357312 0.000703454018 0.00070346921 ± 1.256636271818 0.00125586987 0.00125584786 ± 1.256636271818 349.296539 349.296539 ± 0.2 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | $\begin{array}{cccc} 10394 & & & & & & \\ 3941357312 & & & & & \\ 3941357312 & & & & & \\ 3941357312 & & & & & \\ 3941357312 & & & & \\ 0.000703454018 & & & & & \\ 0.00125586987 & & & & & \\ 0.00125586987 & & & & & \\ 349.296539 & & & & & \\ 65.5278778 & & & & \\ 65.5278778 & & & & \\ \end{array}$ | |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 10394 10394 ± 2 3941357312 3941357312 3941357312 3941357312 0.00070345918 0.00070346921 ± 1.256636271818 0.00125586987 0.00125584786 ± 1.256636271818 349.296539 349.296539 ± 0.2 65.5278778 65.5278778 ± 0.5 1.81056666 1.81056666 ± 0.04 39.3153801 39.3153801 ± 0.0625 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 10394 10394 ± 2 3941357312 3941357312 3941357312 3941357312 0.000703454018 0.00070346921 ± 1.256636271818 0.00125586987 0.00125584786 ± 1.256636271818 349.296539 349.296539 ± 0.2 65.5278778 65.5278778 ± 0.5 1.81056666 1.81056666 ± 0.04 39.3153801 39.3153801 ± 0.0625 35706 35706 ± 2 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 10394 10394 ± 2 3941357312 3941357312 3941357312 3941357312 0.000703454018 0.00070346921 ± 1.256636271818 0.00125586987 0.00125584786 ± 1.256636271818 349.296539 349.296539 ± 0.2 65.5278778 65.5278778 ± 0.5 1.81056666 1.81056666 ± 0.04 39.3153801 39.3153801 ± 0.0625 35706 35706 ± 2 25553 25553 ± 2 | |
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| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | $\begin{array}{cccccccccccccccccccccccccccccccccccc$ | 305E-06 1805E-06 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | $\begin{array}{cccccccccccccccccccccccccccccccccccc$ | 305E-06 1805E-06 |
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| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.WehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 10394 10394 ± 2 3941357312 3941357312 3941357312 3941357312 0.000703454018 0.00070346921 ± 1.256636271818 0.00125586987 0.00125584786 ± 1.256636271818 349.296539 349.296539 ± 0.2 65.5278778 65.5278778 ± 0.5 1.81056666 1.81056666 ± 0.04 39.3153801 39.3153801 ± 0.0625 35706 35706 ± 2 25553 25553 ± 2 3941357312 3941357312 0.000791370869 0.000791368075 ± 1.2566362718 0.000616788864 0.000616818492 ± 1.2566362718 37.5066719 37.5066719 ± 0.2 237.538071 237.538071 ± 0.5 2.22880888 2.22880888 ± 0.04 | 305E-06 1805E-06 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 10394 10394 ± 2 3941357312 3941357312 3941357312 3941357312 0.000703454018 0.00070346921 ± 1.256636271818 0.00125586987 0.00125584786 ± 1.256636271818 349.296539 349.296539 ± 0.2 65.5278778 65.5278778 ± 0.5 1.81056666 1.81056666 ± 0.04 39.3153801 39.3153801 ± 0.0625 35706 35706 ± 2 25553 25553 ± 2 3941357312 3941357312 3941357312 3941357312 0.000791370869 0.000791368075 ± 1.2566362718 0.000616788864 0.000616788864 37.5066719 37.5066719 ± 0.2 237.538071 237.538071 ± 0.5 2.22880888 2.22880888 ± 0.04 37.9574203 37.9574203 ± 0.0625 | 305E-06 1805E-06 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.WelSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 10394 10394 ± 2 3941357312 3941357312 3941357312 3941357312 0.000703454018 0.00070346921 ± 1.256636271818 0.00125586987 0.00125584786 ± 1.256636271818 349.296539 349.296539 ± 0.2 65.5278778 65.5278778 ± 0.5 1.81056666 1.81056666 ± 0.04 39.3153801 39.3153801 ± 0.0625 35706 35706 ± 2 25553 25553 ± 2 3941357312 3941357312 3941357312 3941357312 0.000791370869 0.000791368075 ± 1.2566362718 0.000616788864 0.000616818492 ± 1.2566362718 37.5066719 37.5066719 ± 0.2 237.538071 237.538071 ± 0.5 2.22880888 2.2288088 ± 0.04 37.9574203 37.9574203 ± 0.0625 32821 32821 ± 2 | 305E-06 1805E-06 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.WehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 10394 10394 ± 2 3941357312 3941357312 3941357312 3941357312 0.000703454018 0.00070346921 ± 1.256636271818 0.00125586987 0.00125584786 ± 1.256636271818 349.296539 349.296539 ± 0.2 65.5278778 65.5278778 ± 0.5 1.81056666 1.81056666 ± 0.04 39.3153801 39.3153801 ± 0.0625 35706 35706 ± 2 25553 25553 ± 2 3941357312 3941357312 3941357312 3941357312 0.000791370869 0.000791368075 ± 1.2566362718 0.000616788864 0.000616818492 ± 1.2566362718 37.5066719 37.5066719 ± 0.2 237.538071 237.538071 ± 0.5 2.2288088 2.2288088 ± 0.04 37.9574203 37.9574203 ± 0.0625 32821 53946 ± 2 | 305E-06 1805E-06 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.WelhSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Witvel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.Witvel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 10394 10394 ± 2 3941357312 3941357312 3941357312 3941357312 0.000703454018 0.00070346921 ± 1.256636271818 0.00125586987 0.00125584786 ± 1.256636271818 349.296539 349.296539 ± 0.2 65.5278778 65.5278778 ± 0.5 1.81056666 1.81056666 ± 0.04 39.3153801 39.3153801 ± 0.0625 35706 35706 ± 2 25553 25553 ± 2 3941357312 3941357312 3941357312 3941357312 0.000791370869 0.000791368075 ± 1.2566362718 0.000616788864 0.000616818492 ± 1.2566362718 37.5066719 37.5066719 ± 0.2 237.538071 237.538071 ± 0.5 2.2288088 2.22880888 ± 0.04 37.9574203 37.9574203 ± 0.0625 3821 3941357312 | 305E-06 1805E-06 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 10394 10394 ± 2 3941357312 3941357312 3941357312 3941357312 0.000703454018 0.00070346921 ± 1.256636271818 0.00125586987 0.00125584786 ± 1.256636271818 349.296539 349.296539 ± 0.2 65.5278778 65.5278778 ± 0.5 1.81056666 1.81056666 ± 0.04 39.3153801 39.3153801 ± 0.0625 35706 35706 ± 2 25553 25553 ± 2 3941357312 3941357312 3941357312 3941357312 0.000791370869 0.000791368075 ± 1.2566362718 0.000616788864 0.000616818492 ± 1.2566362718 37.5066719 37.5066719 ± 0.2 237.538071 237.538071 ± 0.5 2.22880888 2.22880888 ± 0.04 37.9574203 37.9574203 ± 0.0625 32821 32821 ± 2 53946 53946 ± 2 3941357312 3941357312 | 1805E-06 1805E-06 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 10394 10394 ± 2 3941357312 3941357312 3941357312 3941357312 0.000703454018 0.00070346921 ± 1.256636271818 0.00125586987 0.00125584786 ± 1.256636271818 349.296539 349.296539 ± 0.2 65.5278778 65.5278778 ± 0.5 1.81056666 1.81056666 ± 0.04 39.3153801 39.3153801 ± 0.0625 35706 35706 ± 2 25553 25553 ± 2 3941357312 3941357312 3941357312 3941357312 0.000791370869 0.000791368075 ± 1.2566362718 0.000616788864 0.000616818492 ± 1.2566362718 37.5066719 37.5066719 ± 0.2 237.538071 237.538071 ± 0.5 2.2288088 2.22880888 ± 0.04 37.9574203 37.9574203 ± 0.0625 3821 3941357312 | 1805E-06 1805E-06 305E-06 |





| Name | Actual Value | Expected Value | Result |
|---------------------------------|----------------|--------------------------------------|----------|
| | 0.000791370869 | 0.000791368075 ± 1.25663627181805E-0 | |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 1 | | 0 |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.146400005 | 0.146400005 | ~ |
| VehDyn SLPHwPos HwDeg M f32 | 896.421997 | 896.421997 | ✓ |

| T | | | | |
|---------------------------------------------|-------|---------------------------------------------|-------|--------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |

| Name | Input Value | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| GetSystemTime_mS_u32(CurrentTime) | tgt_GetSystemTime_mS_u32_CurrentT | ime | |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc) | target_Rte_Call_Ap_VehDyn_NxtrDiagl | Mgr_GetNTCActive_NTCActive_Ptr_T_lgc | |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn_2 | | |
| <_AutoCntrHiSpdCntrWindow_HwDeg_f32 | 100 | | |
| x_AutoCntrHiSpdFilt1Kn_Hz_f32 | 0.00200000009 | | |
| x_AutoCntrHiSpdFilt2Kn_Hz_f32 | 0.00899999961 | | |
| <pre>c_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32</pre> | 643.884338 | | |
| k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32 | 7.05844259 | | |
| k_AutoCntrHiSpdTimer1VehSpd_kph_f32 | 123.333405 | | |
| k_AutoCntrHiSpdTimer1_mS_u16 | 57034 | | |
| x_AutoCntrHiSpdTimer2_mS_u16 | 26664 | | |
| <_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32 | 60.1197929 | | |
| _AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32 | 469.973907 | | |
| AutoCntrHiSpdTimer4PinTrq_HwNm_f32 | 20 | | |
| <pre>c_AutoCntrHiSpdTimer4VehSpd_kph_f32</pre> | 236.657074 | | |
| AutoCntrHiSpdTimer4 mS u16 | 25061 | | |
| AutoCntrLoSpdCntrWindow_HwDeg_f32 | 40.504673 | | |
| < AutoCntrLoSpdFilt1Kn Hz f32 | 0.0670000017 | | |
| AutoCntrLoSpdFilt2Kn Hz f32 | 0.000500000024 | | |
| AutoCntrLoSpdTimer1MtrVel MtrRadpS f32 | 415.313232 | | |
| <_dutoCntrLoSpdTimer1PinTrq_HwNm_f32 | 5.79858875 | | |
| AutoCntrLoSpdTimer1VehSpd kph f32 | 84.7403259 | | |
| k AutoCntrLoSpdTimer1 mS u16 | 40437 | | |
| AutoCntrLoSpdTimer2 mS u16 | 13059 | | |
| k AutoCntrPinTrqLPFCoeffKn Hz f32 | 0.00200000009 | | |
| k SLPEnableBFCheck Cnt lgc | 1 | | |
| k SLPHwAuthority Uls f32 | 0.152999997 | | |
| target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 | 872.388977 | | |
| target Pim MotPosReset.NVMStoredLastPosValid Cnt Igc | 0 | | |
| target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc | 1 | | |
| target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset | target_Pim_MotPosReset | | |
| tgt_GetSystemTime_mS_u32_CurrentTime | 3304439296 | | |
| Name | Actual Value | Expected Value | Resul |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 469.973907 | 469.973907 ± 0.2 | ixesui |
| | 236.657074 | 236.657074 ± 0.5 | |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 20 | 20 ± 0.04 | |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | | 20 1 0.04 | |
| Alabama AutoCataDatCad M. ata CataMiliadam UniDag 522 | 60 1107000 | 60 4407000 + 0 0605 | |
| - · · | 60.1197929 | 60.1197929 ± 0.0625 | • |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 57034 | 57034 ± 2 | • |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 57034 25061 | 57034 ± 2 25061 ± 2 | • |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 57034 25061 3304439296 | 57034 ± 2 25061 ± 2 3304439296 | • |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 57034 25061 3304439296 3304439296 | 57034 ± 2 25061 ± 2 3304439296 3304439296 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 57034 25061 3304439296 3304439296 0.000841617584 | 57034 ± 2 25061 ± 2 3304439296 3304439296 0.000841592497 ± 1.25663627181805E-06 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 57034 25061 3304439296 3304439296 0.000841617584 6.2584877e-006 | 57034 ± 2 25061 ± 2 3304439296 3304439296 0.000841592497 ± 1.25663627181805E-06 6.28316548e-006 ± 1.25663627181805E-06 | |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 57034 25061 3304439296 3304439296 0.000841617584 6.2584877e-006 643.884338 | 57034 ± 2 25061 ± 2 3304439296 3304439296 0.000841592497 ± 1.25663627181805E-06 6.28316548e-006 ± 1.25663627181805E-06 643.884338 ± 0.2 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.NtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 57034 25061 3304439296 3304439296 0.000841617584 6.2584877e-006 643.884338 123.333405 | 57034 ± 2 25061 ± 2 3304439296 3304439296 0.000841592497 ± 1.25663627181805E-06 6.28316548e-006 ± 1.25663627181805E-06 643.884338 ± 0.2 123.333405 ± 0.5 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.NetrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 57034 25061 3304439296 3304439296 0.000841617584 6.2584877e-006 643.884338 123.333405 7.05844259 | 57034 ± 2 25061 ± 2 3304439296 3304439296 0.000841592497 ± 1.25663627181805E-06 6.28316548e-006 ± 1.25663627181805E-06 643.884338 ± 0.2 123.333405 ± 0.5 7.05844259 ± 0.04 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.WelHyPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 57034 25061 3304439296 3304439296 0.000841617584 6.2584877e-006 643.884338 123.333405 7.05844259 | 57034 ± 2 25061 ± 2 3304439296 3304439296 0.000841592497 ± 1.25663627181805E-06 6.28316548e-006 ± 1.25663627181805E-06 643.884338 ± 0.2 123.333405 ± 0.5 7.05844259 ± 0.04 100 ± 0.0625 | |
| /ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 /ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 /ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 /ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrHiSpd_M_str.WelhSpd_kph_f32 /ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 /ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 /ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 57034 25061 3304439296 3304439296 0.000841617584 6.2584877e-006 643.884338 123.333405 7.05844259 100 57034 | 57034 ± 2 25061 ± 2 3304439296 3304439296 0.000841592497 ± 1.25663627181805E-06 6.28316548e-006 ± 1.25663627181805E-06 643.884338 ± 0.2 123.333405 ± 0.5 7.05844259 ± 0.04 100 ± 0.0625 57034 ± 2 | |
| /ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 /ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 /ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 /ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 /ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 /ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 /ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 /ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 /ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 57034 25061 3304439296 3304439296 0.000841617584 6.2584877e-006 643.884338 123.333405 7.05844259 100 57034 26664 | 57034 ± 2 25061 ± 2 3304439296 3304439296 0.000841592497 ± 1.25663627181805E-06 6.28316548e-006 ± 1.25663627181805E-06 643.884338 ± 0.2 123.333405 ± 0.5 7.05844259 ± 0.04 100 ± 0.0625 57034 ± 2 26664 ± 2 | |
| /ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 /ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 /ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 /ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 /ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 /ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 /ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 /ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 /ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 /ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 57034 25061 3304439296 3304439296 0.000841617584 6.2584877e-006 643.884338 123.333405 7.05844259 100 57034 26664 3304439296 | 57034 ± 2 25061 ± 2 3304439296 3304439296 0.000841592497 ± 1.25663627181805E-06 6.28316548e-006 ± 1.25663627181805E-06 643.884338 ± 0.2 123.333405 ± 0.5 7.05844259 ± 0.04 100 ± 0.0625 57034 ± 2 26664 ± 2 3304439296 | |
| /ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 /ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 /ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 /ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_UIs_f32 /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 /ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 /ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 /ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 /ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 /ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 /ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 /ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 /ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 /ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 57034 25061 3304439296 3304439296 0.000841617584 6.2584877e-006 643.884338 123.333405 7.05844259 100 57034 26664 3304439296 3304439296 | 57034 ± 2 25061 ± 2 3304439296 3304439296 0.000841592497 ± 1.25663627181805E-06 6.28316548e-006 ± 1.25663627181805E-06 643.884338 ± 0.2 123.333405 ± 0.5 7.05844259 ± 0.04 100 ± 0.0625 57034 ± 2 26664 ± 2 3304439296 3304439296 | |
| /ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 /ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 /ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 /ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_UIs_f32 /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 /ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 /ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 /ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 /ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 /ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 /ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 /ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 /ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 /ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 /ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_UIs_f32 | 57034 25061 3304439296 3304439296 0.000841617584 6.2584877e-006 643.884338 123.333405 7.05844259 100 57034 26664 3304439296 3304439296 2.51531601e-005 | 57034 ± 2 25061 ± 2 3304439296 3304439296 0.000841592497 ± 1.25663627181805E-06 6.28316548e-006 ± 1.25663627181805E-06 643.884338 ± 0.2 123.333405 ± 0.5 7.05844259 ± 0.04 100 ± 0.0625 57034 ± 2 26664 ± 2 3304439296 3304439296 2.51324254e-005 ± 1.25663627181805E-06 | |
| /ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 /ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 /ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 /ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_UIs_f32 /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 /ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 /ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 /ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 /ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 /ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 /ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 /ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 /ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 /ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_UIs_f32 /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 | 57034 25061 3304439296 3304439296 0.000841617584 6.2584877e-006 643.884338 123.333405 7.05844259 100 57034 26664 3304439296 3304439296 2.51531601e-005 0.000113070011 | 57034 ± 2 25061 ± 2 3304439296 3304439296 0.000841592497 ± 1.25663627181805E-06 6.28316548e-006 ± 1.25663627181805E-06 643.884338 ± 0.2 123.333405 ± 0.5 7.05844259 ± 0.04 100 ± 0.0625 57034 ± 2 26664 ± 2 3304439296 3304439296 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.NetP_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 57034 25061 3304439296 3304439296 0.000841617584 6.2584877e-006 643.884338 123.333405 7.05844259 100 57034 26664 3304439296 3304439296 2.51531601e-005 | 57034 ± 2 25061 ± 2 3304439296 3304439296 0.000841592497 ± 1.25663627181805E-06 6.28316548e-006 ± 1.25663627181805E-06 643.884338 ± 0.2 123.333405 ± 0.5 7.05844259 ± 0.04 100 ± 0.0625 57034 ± 2 26664 ± 2 3304439296 3304439296 2.51324254e-005 ± 1.25663627181805E-06 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.NetP_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 57034 25061 3304439296 3304439296 0.000841617584 6.2584877e-006 643.884338 123.333405 7.05844259 100 57034 26664 3304439296 3304439296 2.51531601e-005 0.000113070011 | 57034 ± 2 25061 ± 2 3304439296 3304439296 0.000841592497 ± 1.25663627181805E-06 6.28316548e-006 ± 1.25663627181805E-06 643.884338 ± 0.2 123.333405 ± 0.5 7.05844259 ± 0.04 100 ± 0.0625 57034 ± 2 26664 ± 2 3304439296 3304439296 2.51324254e-005 ± 1.25663627181805E-06 0.000113090937 ± 1.25663627181805E-06 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 57034 25061 3304439296 3304439296 0.000841617584 6.2584877e-006 643.884338 123.333405 7.05844259 100 57034 26664 3304439296 3304439296 2.51531601e-005 0.000113070011 415.313232 | 57034 ± 2 25061 ± 2 3304439296 3304439296 0.000841592497 ± 1.25663627181805E-06 6.28316548e-006 ± 1.25663627181805E-06 643.884338 ± 0.2 123.333405 ± 0.5 7.05844259 ± 0.04 100 ± 0.0625 57034 ± 2 26664 ± 2 3304439296 3304439296 2.51324254e-005 ± 1.25663627181805E-06 0.000113090937 ± 1.25663627181805E-06 415.313232 ± 0.2 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 57034 25061 3304439296 3304439296 0.000841617584 6.2584877e-006 643.884338 123.333405 7.05844259 100 57034 26664 3304439296 3304439296 2.51531601e-005 0.000113070011 415.313232 84.7403259 | 57034 ± 2 25061 ± 2 3304439296 3304439296 0.000841592497 ± 1.25663627181805E-06 6.28316548e-006 ± 1.25663627181805E-06 643.884338 ± 0.2 123.333405 ± 0.5 7.05844259 ± 0.04 100 ± 0.0625 57034 ± 2 26664 ± 2 3304439296 3304439296 2.51324254e-005 ± 1.25663627181805E-06 0.000113090937 ± 1.25663627181805E-06 415.313232 ± 0.2 84.7403259 ± 0.5 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.WehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 57034 25061 3304439296 3304439296 0.000841617584 6.2584877e-006 643.884338 123.333405 7.05844259 100 57034 26664 3304439296 3.04439296 2.51531601e-005 0.000113070011 415.313232 84.7403259 5.79858875 | 57034 ± 2 25061 ± 2 3304439296 3304439296 0.000841592497 ± 1.25663627181805E-06 6.28316548e-006 ± 1.25663627181805E-06 643.884338 ± 0.2 123.333405 ± 0.5 7.05844259 ± 0.04 100 ± 0.0625 57034 ± 2 26664 ± 2 3304439296 3304439296 2.51324254e-005 ± 1.25663627181805E-06 0.000113090937 ± 1.25663627181805E-06 415.313232 ± 0.2 84.7403259 ± 0.5 5.79858875 ± 0.04 | |





| Name | Actual Value | Expected Value | Result |
|----------------------------------------------------------------|-----------------|----------------------------------------|--------|
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 3304439296 | 3304439296 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 3304439296 | 3304439296 | • |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000841617584 | 0.000841592497 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 6.2584877e-006 | 6.28316548e-006 ± 1.25663627181805E-06 | • |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 2.51531601e-005 | 2.51324254e-005 ± 1.25663627181805E-06 | • |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0 | 0 | • |
| VehDvn SLPHwPos HwDea M f32 | 0 | 0 | • |

| Τ | | | | ✓ |
|---------------------------------------------|-------|---------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ✓ |

| Test Step 2.31 (Repeat Count = 1) | | | y |
|-------------------------------------------------------------------------------|-------------------------------------------|------------------------------------------|----------|
| | Inmut Value | | • |
| Name | Input Value | | |
| GetSystemTime_mS_u32(CurrentTime) | tgt_GetSystemTime_mS_u32_CurrentTime | CothITCA stine NITCA stine Dtg T les | |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc) | target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_ | _Getin i Cactive_n i Cactive_Ptr_ i _igc | |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn_2 43.0070915 | | |
| k_AutoCntrHiSpdCntrWindow_HwDeg_f32 | 0.00499999989 | | |
| k_AutoCntrHiSpdFilt1Kn_Hz_f32 | | | |
| k_AutoCntrHiSpdFilt2Kn_Hz_f32 | 0.0340000018 532.273438 | | |
| k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32 k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32 | 14.9590406 | | |
| k_AutoCntrHiSpdTimer1VehSpd_kph_f32 | 239.526199 | | |
| k AutoCntrHiSpdTimer1 mS u16 | 56740 | | |
| k_AutoCntrHiSpdTimer2_mS_u16 | 27775 | | |
| k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32 | 99.817543 | | |
| k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32 | 0 | | |
| k AutoCntrHiSpdTimer4PinTrg HwNm f32 | 20 | | |
| k AutoCntrHiSpdTimer4VehSpd kph f32 | 9.99269104 | | |
| k AutoCntrHiSpdTimer4 mS u16 | 18881 | | |
| k_AutoCntrLoSpdCntrWindow_HwDeg_f32 | 84.9841919 | | |
| k_AutoCntrLoSpdFilt1Kn_Hz_f32 | 0.00600000005 | | |
| k AutoCntrLoSpdFilt2Kn Hz f32 | 0.00449999981 | | |
| k AutoCntrLoSpdTimer1MtrVel MtrRadpS f32 | 328.558777 | | |
| k AutoCntrLoSpdTimer1PinTrq HwNm f32 | 13.5039825 | | |
| k AutoCntrLoSpdTimer1VehSpd kph f32 | 138.992935 | | |
| k_AutoCntrLoSpdTimer1_mS_u16 | 2291 | | |
| k AutoCntrLoSpdTimer2 mS u16 | 58929 | | |
| | 0.00499999989 | | |
| k_AutoCntrPinTrqLPFCoeffKn_Hz_f32 k SLPEnableBFCheck Cnt lgc | 0.00499999999 | | |
| k_SLPHwAuthority_Uls_f32 | 0.159600005 | | |
| target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 | 848.356018 | | |
| target Pim MotPosReset.NVMStoredLastPosValid Cnt Igc | 1 | | |
| target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc | 1 | | |
| target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset | target_Pim_MotPosReset | | |
| tgt_GetSystemTime_mS_u32_CurrentTime | 2167769344 | | |
| Name | Actual Value | Expected Value | Result |
| | 0 | 0 ± 0.2 | Result |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | | | - |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 9.99269104 | 9.99269104 ± 0.5 20 ± 0.04 | |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 99.817543 | 99.817543 ± 0.0625 | - |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | | | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 56740 | 56740 ± 2 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 18881 | 18881 ± 2 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 2167769344 | 2167769344 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 2167769344 | 2167769344 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 7.53998756e-005 | 7.53953791e-005 ± 1.25663627181805E-06 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 5.65648079e-005 | 5.65470691e-005 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 532.273438 | 532.273438 ± 0.2 | V |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 239.526199 | 239.526199 ± 0.5 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 14.9590406 | 14.9590406 ± 0.04 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 43.0070915 | 43.0070915 ± 0.0625 | V |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 56740 | 56740 ± 2 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 27775 | 27775 ± 2 | V |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 2167769344 | 2167769344 | · · |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 2167769344 | 2167769344 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 6.28232956e-005 | 6.28298803e-005 ± 1.25663627181805E-06 | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000427186489 | 0.000427165331 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 328.558777 | 328.558777 ± 0.2 | V |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 138.992935 | 138.992935 ± 0.5 | <u> </u> |
| © Report created by TESSY V3.1.12, report template V2.1 | | | 41 |





| Name | Actual Value | Expected Value | Result |
|----------------------------------------------------------------|-----------------|----------------------------------------|----------|
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 13.5039825 | 13.5039825 ± 0.04 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 84.9841919 | 84.9841919 ± 0.0625 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 2291 | 2291 ± 2 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 58929 | 58929 ± 2 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 2167769344 | 2167769344 | - |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 2167769344 | 2167769344 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 7.53998756e-005 | 7.53953791e-005 ± 1.25663627181805E-06 | • |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 5.65648079e-005 | 5.65470691e-005 ± 1.25663627181805E-06 | • |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 6.28232956e-005 | 6.28298803e-005 ± 1.25663627181805E-06 | • |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.159600005 | 0.159600005 | ~ |
| VehDyn_SLPHwPos_HwDeg_M_f32 | 848.356018 | 848.356018 | ~ |

| Т | | | | |
|---------------------------------------------|-------|---------------------------------------------|-------|--------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |

| Test Step 2.32 (Repeat Count = 1) | Invest Value | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| Name | Input Value | |
| GetSystemTime_mS_u32(CurrentTime) | tgt_GetSystemTime_mS_u32_CurrentTime | |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc) | target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc | |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn_2 | |
| k_AutoCntrHiSpdCntrWindow_HwDeg_f32 | 84.4737091 | |
| k_AutoCntrHiSpdFilt1Kn_Hz_f32 | 0.00520000001 | |
| k_AutoCntrHiSpdFilt2Kn_Hz_f32 | 0.0458000004 | |
| k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32 | 609.83606 | |
| k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32 | 3.01206732 | |
| k_AutoCntrHiSpdTimer1VehSpd_kph_f32 | 158.11969 | |
| k_AutoCntrHiSpdTimer1_mS_u16 | 42810 | |
| k_AutoCntrHiSpdTimer2_mS_u16 | 28886 | |
| k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32 | 78.8331146 | |
| k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32 | 700 | |
| k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32 | 12.0596523 | |
| k_AutoCntrHiSpdTimer4VehSpd_kph_f32 | 195.407715 | |
| k AutoCntrHiSpdTimer4 mS u16 | 10213 | |
| k AutoCntrLoSpdCntrWindow HwDeg f32 | 41.3693123 | |
| k AutoCntrLoSpdFilt1Kn Hz f32 | 0.00779999979 | |
| k AutoCntrLoSpdFilt2Kn Hz f32 | 0.0430000015 | |
| k AutoCntrLoSpdTimer1MtrVel MtrRadpS f32 | 209.013977 | |
| k AutoCntrLoSpdTimer1PinTrg HwNm f32 | 17.8311005 | |
| k AutoCntrLoSpdTimer1VehSpd kph f32 | 20,6569824 | |
| k AutoCntrLoSpdTimer1 mS u16 | 38868 | |
| k AutoCntrLoSpdTimer2 mS u16 | 57944 | |
| k_AutoCntrPinTrqLPFCoeffKn_Hz_f32 | 0.00520000001 | |
| k SLPEnableBFCheck Cnt lgc | 1 | |
| | 0.166199997 | |
| k_SLPHwAuthority_UIs_f32 | | |
| target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 | 824.322998 | |
| target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc | 0 | |
| target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc | 0 | |
| target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset | target_Pim_MotPosReset | |
| tgt_GetSystemTime_mS_u32_CurrentTime | 3714197504 | |
| Name | Actual Value Expected Value | Resu |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 700 700 ± 0.2 | ' |
| | | |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 195.407715 ± 0.5 | |
| | 195.407715 195.407715 ± 0.5 12.0596523 12.0596523 ± 0.04 | |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | | |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 12.0596523 ± 0.04 | |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 12.0596523 12.0596523 ± 0.04 78.8331146 78.8331146 ± 0.0625 | |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 12.0596523 12.0596523 ± 0.04 78.8331146 78.8331146 ± 0.0625 42810 42810 ± 2 | |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 12.0596523 12.0596523 ± 0.04 78.8331146 78.8331146 ± 0.0625 42810 42810 ± 2 10213 10213 ± 2 | |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 12.0596523 12.0596523 ± 0.04 78.8331146 78.8331146 ± 0.0625 42810 42810 ± 2 10213 10213 ± 2 3714197504 3714197504 | |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 12.0596523 12.0596523 ± 0.04 78.8331146 78.8331146 ± 0.0625 42810 42810 ± 2 10213 10213 ± 2 3714197504 3714197504 3714197504 3714197504 | 05E-06 |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 12.0596523 | 05E-06 |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 12.0596523 | 05E-06 |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 12.0596523 12.0596523 ± 0.04 78.8331146 78.8331146 ± 0.0625 42810 42810 ± 2 10213 10213 ± 2 3714197504 3714197504 9.7990036e-005 9.80128898e-005 ± 1.256636271818 0.000540196896 0.000540207955 ± 1.256636271818 609.83606 609.83606 ± 0.2 | 05E-06 |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 12.0596523 12.0596523 ± 0.04 78.8331146 78.8331146 ± 0.0625 42810 42810 ± 2 10213 10213 ± 2 3714197504 3714197504 9.7990036e-005 9.80128898e-005 ± 1.256636271818 0.000540196896 0.000540207955 ± 1.256636271818 609.83606 609.83606 ± 0.2 158.11969 158.11969 ± 0.5 3.01206732 3.01206756 ± 0.04 | 05E-06 15E-06 |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | $\begin{array}{cccccccccccccccccccccccccccccccccccc$ | 05E-06 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | $\begin{array}{cccccccccccccccccccccccccccccccccccc$ | 05E-06 15E-06 |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2_Thresh_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | $\begin{array}{cccccccccccccccccccccccccccccccccccc$ | 05E-06 55E-06 |





| Name | Actual Value | Expected Value | Result |
|----------------------------------------------------------------|-----------------|----------------------------------------|--------|
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 6.53266907e-005 | 6.53429888e-005 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000575363636 | 0.000575374172 ± 1.25663627181805E-06 | • |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 209.013977 | 209.013977 ± 0.2 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 20.6569824 | 20.6569824 ± 0.5 | • |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 17.8311005 | 17.8311005 ± 0.04 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 41.3693123 | 41.3693123 ± 0.0625 | • |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 38868 | 38868 ± 2 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 57944 | 57944 ± 2 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 3714197504 | 3714197504 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 3714197504 | 3714197504 | • |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 9.7990036e-005 | 9.80128898e-005 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000540196896 | 0.000540207955 ± 1.25663627181805E-06 | • |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 6.53266907e-005 | 6.53429888e-005 ± 1.25663627181805E-06 | ~ |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0 | 0 | ~ |
| VehDyn_SLPHwPos_HwDeg_M_f32 | 0 | 0 | ~ |

| T | | | | |
|---------------------------------------------|-------|---------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ✓ |

| Test Step 2.33 (Repeat Count = 1) | | | • |
|------------------------------------------------------------------------|--------------------------------------------------------------|------------------|------|
| Name | Input Value | | |
| GetSystemTime_mS_u32(CurrentTime) | tgt_GetSystemTime_mS_u32_CurrentTime | | |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc) | target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive | e_Ptr_T_lgc | |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn_2 | | |
| k_AutoCntrHiSpdCntrWindow_HwDeg_f32 | 15.5979691 | | |
| k_AutoCntrHiSpdFilt1Kn_Hz_f32 | 0.0320999995 | | |
| k_AutoCntrHiSpdFilt2Kn_Hz_f32 | 0.0049999989 | | |
| k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32 | 579.395874 | | |
| k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32 | 7.52602291 | | |
| k_AutoCntrHiSpdTimer1VehSpd_kph_f32 | 32.8235931 | | |
| k_AutoCntrHiSpdTimer1_mS_u16 | 20288 | | |
| k_AutoCntrHiSpdTimer2_mS_u16 | 29997 | | |
| k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32 | 17.897419 | | |
| k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32 | 334.049988 | | |
| k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32 | 0.106655896 | | |
| k_AutoCntrHiSpdTimer4VehSpd_kph_f32 | 18.8970184 | | |
| k_AutoCntrHiSpdTimer4_mS_u16 | 39085 | | |
| k_AutoCntrLoSpdCntrWindow_HwDeg_f32 | 73.1804352 | | |
| k_AutoCntrLoSpdFilt1Kn_Hz_f32 | 0.00899999961 | | |
| k_AutoCntrLoSpdFilt2Kn_Hz_f32 | 0.0250000004 | | |
| k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32 | 436.510376 | | |
| k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32 | 10.4573536 | | |
| k_AutoCntrLoSpdTimer1VehSpd_kph_f32 | 162.399216 | | |
| k_AutoCntrLoSpdTimer1_mS_u16 | 53970 | | |
| k_AutoCntrLoSpdTimer2_mS_u16 | 52282 | | |
| k_AutoCntrPinTrqLPFCoeffKn_Hz_f32 | 0.0320999995 | | |
| k_SLPEnableBFCheck_Cnt_lgc | 0 | | |
| k_SLPHwAuthority_Uls_f32 | 0.172800004 | | |
| target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 | 800.289978 | | |
| target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc | 1 | | |
| target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc | 1 | | |
| target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset | target_Pim_MotPosReset | | |
| tgt_GetSystemTime_mS_u32_CurrentTime | 3323480832 | | |
| Name | Actual Value Expected Value | F | Resu |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 334.049988 ± 0.2 | | |
| VehDyn AutoCntrDetSpd M str.VehSpd kph f32 | 18.8970184 ± 0.5 | | |
| VehDyn AutoCntrDetSpd M str.FiltPinTrg HwNm f32 | 0.106655896 | | |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 17.897419 17.897419 ± 0.0625 | | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 20288 ± 2 | | |
| VehDyn AutoCntrDetSpd M str.Timer2Thresh mS u16 | 39085 ± 2 | | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 3323480832 3323480832 | | |
| VehDyn AutoCntrDetSpd M str.Timer2 mS u32 | 3323480832 3323480832 | | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000113070011 0.000113090937 ± 1.25 | 663627181805E-06 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000314116478 | 63627181805E-06 | |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 579.395874 ± 0.2 | | |
| VehDyn AutoCntrHiSpd M str.VehSpd kph f32 | 32.8235931 32.8235931 ± 0.5 | | |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 7.52602291 7.52602291 ± 0.04 | | |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 15.5979691 15.5979691 ± 0.0625 | | |





| Name | Actual Value | Expected Value | Result |
|----------------------------------------------------------------|-----------------|----------------------------------------|----------|
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 20288 | 20288 ± 2 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 29997 | 29997 ± 2 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 3323480832 | 3323480832 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 3323480832 | 3323480832 | • |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000403285027 | 0.000403299142 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 6.28232956e-005 | 6.28298803e-005 ± 1.25663627181805E-06 | • |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 436.510376 | 436.510376 ± 0.2 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 162.399216 | 162.399216 ± 0.5 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 10.4573536 | 10.4573536 ± 0.04 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 73.1804352 | 73.1804352 ± 0.0625 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 53970 | 53970 ± 2 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 52282 | 52282 ± 2 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 3323480832 | 3323480832 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 3323480832 | 3323480832 | • |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000113070011 | 0.000113090937 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000314116478 | 0.00031410993 ± 1.25663627181805E-06 | • |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000403285027 | 0.000403299142 ± 1.25663627181805E-06 | ~ |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.172800004 | 0.172800004 | ~ |
| VehDyn_SLPHwPos_HwDeg_M_f32 | 800.289978 | 800.289978 | ~ |

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|---------------------------------------------|-------|---------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | ~ |
| GetSystemTime mS u32 | 1 | GetSystemTime mS u32 | 1 | ✓ |

| Test Step 2.34 (Repeat Count = 1) | | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------|-------|--|
| Name | Input Value | | |
| GetSystemTime_mS_u32(CurrentTime) | tgt_GetSystemTime_mS_u32_CurrentTime | | |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc) | target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc | | |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn_2 | | |
| <_AutoCntrHiSpdCntrWindow_HwDeg_f32 | 19.5605583 | | |
| <_AutoCntrHiSpdFilt1Kn_Hz_f32 | 0.0560000017 | | |
| x_AutoCntrHiSpdFilt2Kn_Hz_f32 | 0.00200000009 | | |
| <_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32 | 572.561157 | | |
| k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32 | 10 | | |
| k_AutoCntrHiSpdTimer1VehSpd_kph_f32 | 193.532913 | | |
| <_AutoCntrHiSpdTimer1_mS_u16 | 16201 | | |
| x_AutoCntrHiSpdTimer2_mS_u16 | 54439 | | |
| AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32 | 75.1727753 | | |
| k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32 | 20 | | |
| x_AutoCntrHiSpdTimer4PinTrq_HwNm_f32 | 12.4131937 | | |
| k_AutoCntrHiSpdTimer4VehSpd_kph_f32 | 52.6185455 | | |
| k AutoCntrHiSpdTimer4 mS u16 | 54779 | | |
| AutoCntrLoSpdCntrWindow HwDeg f32 | 27.0724258 | | |
| < AutoCntrLoSpdFilt1Kn Hz f32 | 0.00200000009 | | |
| AutoCntrLoSpdFilt2Kn Hz f32 | 0.00899999961 | | |
| AutoCntrLoSpdTimer1MtrVel MtrRadpS f32 | 199.42067 | | |
| AutoCntrLoSpdTimer1PinTrg HwNm f32 | 7.28609991 | | |
| AutoCntrLoSpdTimer1VehSpd kph f32 | 255 | | |
| AutoCntrLoSpdTimer1 mS u16 | 18002 | | |
| AutoCntrLoSpdTimer2 mS u16 | 18842 | | |
| AutoCntrPinTrgLPFCoeffKn Hz f32 | 0.0560000017 | | |
| SLPEnableBFCheck Cnt Igc | 0 | | |
| SLPHwAuthority Uls f32 | 0.317999989 | | |
| arget Pim MotPosReset.NVMStoredLastPos HwDeg f32 | 271.563995 | | |
| arget Pim MotPosReset.NVMStoredLastPosValid Cnt Igc | 1 | | |
| arget Rte Call Ap VehDyn NxtrDiagMgr GetNTCActive NTCActive Ptr T lgc | 1 | | |
| arget_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset | target Pim MotPosReset | | |
| ggt GetSystemTime mS u32 CurrentTime | 3524313344 | | |
| Name | Actual Value Expected Value | Resi | |
| VehDyn AutoCntrDetSpd M str.MtrVel MtrRadpS f32 | 20 20 ± 0.2 | 1100 | |
| /ehDyn AutoCntrDetSpd M str.VehSpd kph f32 | 52.6185455 | | |
| /ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 12.4131937 12.4131937 ± 0.04 | | |
| /ehDyn_AutoCntrDetSpd_M_str.CntrWindow HwDeg f32 | 75.1727753 75.1727753 ± 0.0625 | | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 16201 16201 ± 2 | | |
| /ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 54779 54779 ± 2 | | |
| /ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 3524313344 3524313344 | | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 3524313344 3524313344 | | |
| VenDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 2.51531601e-005 2.51324254e-005 ± 1.256636271818 | 5F-06 | |
| . 55 , , 55.111 56.5 pa_in_61.1 (61.1 in 55.1 in 10 v_1 in 10 v_ | 2.5 152 155 15 150 E 1.25005027 1610 | 00 | |





| Name | Actual Value | Expected Value | Result |
|----------------------------------------------------------------|-----------------|----------------------------------------|--------|
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 572.561157 | 572.561157 ± 0.2 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 193.532913 | 193.532913 ± 0.5 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 10 | 10 ± 0.04 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 19.5605583 | 19.5605583 ± 0.0625 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 16201 | 16201 ± 2 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 54439 | 54439 ± 2 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 3524313344 | 3524313344 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 3524313344 | 3524313344 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000703454018 | 0.00070346921 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 2.51531601e-005 | 2.51324254e-005 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 199.42067 | 199.42067 ± 0.2 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 255 | 255 ± 0.5 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 7.28609991 | 7.28609991 ± 0.04 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 27.0724258 | 27.0724258 ± 0.0625 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 18002 | 18002 ± 2 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 18842 | 18842 ± 2 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 3524313344 | 3524313344 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 3524313344 | 3524313344 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 2.51531601e-005 | 2.51324254e-005 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000113070011 | 0.000113090937 ± 1.25663627181805E-06 | ~ |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000703454018 | 0.00070346921 ± 1.25663627181805E-06 | ~ |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.317999989 | 0.317999989 | ~ |
| VehDyn SLPHwPos HwDeg M f32 | 271.563995 | 271.563995 | ~ |

| T | | | | |
|---------------------------------------------|-------|---------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ✓ |

| Name | Input Value | | |
|------------------------------------------------------------------------|---------------------------------------|----------------------------------|--------|
| GetSystemTime_mS_u32(CurrentTime) | tgt GetSystemTime mS u32 CurrentTime | | |
| Rte Call Ap VehDyn NxtrDiagMgr GetNTCActive(NTCActive Ptr T lgc) | target Rte Call Ap VehDyn NxtrDiagMgr | GetNTCActive NTCActive Ptr T lgc | |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn_2 | | |
| k_AutoCntrHiSpdCntrWindow_HwDeg_f32 | 49.3403549 | | |
| k_AutoCntrHiSpdFilt1Kn_Hz_f32 | 0.0850000009 | | |
| k_AutoCntrHiSpdFilt2Kn_Hz_f32 | 0.00899999961 | | |
| k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32 | 370.660736 | | |
| k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32 | 13.1525526 | | |
| k_AutoCntrHiSpdTimer1VehSpd_kph_f32 | 221.258759 | | |
| k_AutoCntrHiSpdTimer1_mS_u16 | 7034 | | |
| k_AutoCntrHiSpdTimer2_mS_u16 | 31108 | | |
| k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32 | 61.0589485 | | |
| k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32 | 147.148361 | | |
| k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32 | 12.9904881 | | |
| k_AutoCntrHiSpdTimer4VehSpd_kph_f32 | 0 | | |
| k_AutoCntrHiSpdTimer4_mS_u16 | 119 | | |
| k_AutoCntrLoSpdCntrWindow_HwDeg_f32 | 66.5350952 | | |
| k_AutoCntrLoSpdFilt1Kn_Hz_f32 | 0.0344000012 | | |
| k_AutoCntrLoSpdFilt2Kn_Hz_f32 | 0.063000001 | | |
| k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32 | 454.12265 | | |
| k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32 | 3.94327784 | | |
| k_AutoCntrLoSpdTimer1VehSpd_kph_f32 | 104.969391 | | |
| k_AutoCntrLoSpdTimer1_mS_u16 | 20423 | | |
| k_AutoCntrLoSpdTimer2_mS_u16 | 31368 | | |
| k_AutoCntrPinTrqLPFCoeffKn_Hz_f32 | 0.0850000009 | | |
| k_SLPEnableBFCheck_Cnt_lgc | 1 | | |
| k_SLPHwAuthority_Uls_f32 | 0.179399997 | | |
| target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 | 776.257019 | | |
| target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc | 0 | | |
| target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc | 0 | | |
| target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset | target_Pim_MotPosReset | | |
| tgt_GetSystemTime_mS_u32_CurrentTime | 71426560 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 147.148361 | 147.148361 ± 0.2 | • |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 0 | 0 ± 0.5 | • |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 12.9904881 | 12.9904871 ± 0.04 | |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 61.0589485 | 61.0589485 ± 0.0625 | • |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 7034 | 7034 ± 2 | • |
| VehDyn AutoCntrDetSpd M str.Timer2Thresh mS u16 | 119 | 119 ± 2 | • |





| Name | Actual Value | Expected Value | Result |
|-----------------------------------------------------------------|----------------|---------------------------------------|----------|
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 71426560 | 71426560 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 71426560 | 71426560 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000432193279 | 0.000432189729 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000791370869 | 0.000791368075 ± 1.25663627181805E-06 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 370.660736 | 370.660736 ± 0.2 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 221.258759 | 221.258759 ± 0.5 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 13.1525526 | 13.1525526 ± 0.04 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 49.3403549 | 49.3403549 ± 0.0625 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 7034 | 7034 ± 2 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 31108 | 31108 ± 2 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 71426560 | 71426560 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 71426560 | 71426560 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.00106757879 | 0.00106757123 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000113070011 | 0.000113090937 ± 1.25663627181805E-06 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 454.12265 | 454.12265 ± 0.2 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 104.969391 | 104.969391 ± 0.5 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 3.94327784 | 3.94327784 ± 0.04 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 66.5350952 | 66.5350952 ± 0.0625 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 20423 | 20423 ± 2 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 31368 | 31368 ± 2 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 71426560 | 71426560 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 71426560 | 71426560 | • |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000432193279 | 0.000432189729 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000791370869 | 0.000791368075 ± 1.25663627181805E-06 | ✓ |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.00106757879 | 0.00106757123 ± 1.25663627181805E-06 | ~ |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0 | 0 | ~ |
| VehDyn_SLPHwPos_HwDeg_M_f32 | 0 | 0 | ~ |

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|---------------------------------------------|-------|---------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ✓ |

| Test Step 2.36 (Repeat Count = 1) | | | |
|------------------------------------------------------------------------|----------------------------------------|----------------------------------|-----|
| Name | Input Value | | |
| GetSystemTime_mS_u32(CurrentTime) | tgt_GetSystemTime_mS_u32_CurrentTime | | |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc) | target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_ | GetNTCActive_NTCActive_Ptr_T_lgc | |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn_2 | | |
| k_AutoCntrHiSpdCntrWindow_HwDeg_f32 | 81.7051773 | | |
| k_AutoCntrHiSpdFilt1Kn_Hz_f32 | 0.00899999961 | | |
| k_AutoCntrHiSpdFilt2Kn_Hz_f32 | 0.0250000004 | | |
| k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32 | 275.970886 | | |
| k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32 | 16.2052765 | | |
| k_AutoCntrHiSpdTimer1VehSpd_kph_f32 | 10.3126373 | | |
| k_AutoCntrHiSpdTimer1_mS_u16 | 30504 | | |
| k_AutoCntrHiSpdTimer2_mS_u16 | 32219 | | |
| k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32 | 66.4485626 | | |
| k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32 | 625.957947 | | |
| k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32 | 15.7019682 | | |
| k_AutoCntrHiSpdTimer4VehSpd_kph_f32 | 255 | | |
| k_AutoCntrHiSpdTimer4_mS_u16 | 45323 | | |
| k_AutoCntrLoSpdCntrWindow_HwDeg_f32 | 41.044548 | | |
| k_AutoCntrLoSpdFilt1Kn_Hz_f32 | 0.0458000004 | | |
| k_AutoCntrLoSpdFilt2Kn_Hz_f32 | 0.00200000009 | | |
| k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32 | 184.918839 | | |
| k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32 | 18.828949 | | |
| k_AutoCntrLoSpdTimer1VehSpd_kph_f32 | 245.86824 | | |
| k_AutoCntrLoSpdTimer1_mS_u16 | 7034 | | |
| k_AutoCntrLoSpdTimer2_mS_u16 | 39056 | | |
| k_AutoCntrPinTrqLPFCoeffKn_Hz_f32 | 0.00899999961 | | |
| k_SLPEnableBFCheck_Cnt_lgc | 0 | | |
| k_SLPHwAuthority_Uls_f32 | 0.186000004 | | |
| target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 | 752.223999 | | |
| target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc | 1 | | |
| target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc | 1 | | |
| target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset | target_Pim_MotPosReset | | |
| tgt_GetSystemTime_mS_u32_CurrentTime | 2430672128 | | |
| Name | Actual Value | Expected Value | Res |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 625.957947 | 625.957947 ± 0.2 | |
| VehDyn AutoCntrDetSpd M str.VehSpd kph f32 | 255 | 255 ± 0.5 | |





| Name | Actual Value | Expected Value | Result |
|-----------------------------------------------------------------|-----------------|----------------------------------------|----------|
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 15.7019682 | 15.7019682 ± 0.04 | - |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 66.4485626 | 66.4485626 ± 0.0625 | • |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 30504 | 30504 ± 2 | - |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 45323 | 45323 ± 2 | ₩ |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 2430672128 | 2430672128 | - |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 2430672128 | 2430672128 | - |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000575363636 | 0.000575374172 ± 1.25663627181805E-06 | - |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 2.51531601e-005 | 2.51324254e-005 ± 1.25663627181805E-06 | • |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 275.970886 | 275.970886 ± 0.2 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 10.3126373 | 10.3126373 ± 0.5 | - |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 16.2052765 | 16.2052765 ± 0.04 | - |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 81.7051773 | 81.7051773 ± 0.0625 | - |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 30504 | 30504 ± 2 | - |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 32219 | 32219 ± 2 | - |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 2430672128 | 2430672128 | - |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 2430672128 | 2430672128 | - |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000113070011 | 0.000113090937 ± 1.25663627181805E-06 | - |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000314116478 | 0.00031410993 ± 1.25663627181805E-06 | - |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 184.918839 | 184.918839 ± 0.2 | - |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 245.86824 | 245.86824 ± 0.5 | - |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 18.828949 | 18.828949 ± 0.04 | - |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 41.044548 | 41.044548 ± 0.0625 | - |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 7034 | 7034 ± 2 | - |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 39056 | 39056 ± 2 | - |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 2430672128 | 2430672128 | - |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 2430672128 | 2430672128 | - |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000575363636 | 0.000575374172 ± 1.25663627181805E-06 | - |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 2.51531601e-005 | 2.51324254e-005 ± 1.25663627181805E-06 | • |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000113070011 | 0.000113090937 ± 1.25663627181805E-06 | - |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.186000004 | 0.186000004 | - |
| VehDyn SLPHwPos HwDeg M f32 | 752.223999 | 752.223999 | - |

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|---------------------------------------------|-------|---------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |

| Test Step 2.37 (Repeat Count = 1) | · · |
|------------------------------------------------------------------------------------|------------------------------------------------------------------------|
| Name | Input Value |
| GetSystemTime_mS_u32(CurrentTime) | tgt_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc) | target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn_2 |
| k_AutoCntrHiSpdCntrWindow_HwDeg_f32 | 32.0222664 |
| k_AutoCntrHiSpdFilt1Kn_Hz_f32 | 0.0049999989 |
| k_AutoCntrHiSpdFilt2Kn_Hz_f32 | 0.063000001 |
| k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32 | 575.91394 |
| k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32 | 8.9376688 |
| k_AutoCntrHiSpdTimer1VehSpd_kph_f32 | 204.072876 |
| k_AutoCntrHiSpdTimer1_mS_u16 | 5222 |
| k_AutoCntrHiSpdTimer2_mS_u16 | 33330 |
| k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32 | 93.8445969 |
| k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32 | 312.352844 |
| k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32 | 8.16609764 |
| k_AutoCntrHiSpdTimer4VehSpd_kph_f32 | 68.0500031 |
| k_AutoCntrHiSpdTimer4_mS_u16 | 31042 |
| k_AutoCntrLoSpdCntrWindow_HwDeg_f32 | 95.9834061 |
| k_AutoCntrLoSpdFilt1Kn_Hz_f32 | 0.00499999989 |
| k_AutoCntrLoSpdFilt2Kn_Hz_f32 | 0.00499999989 |
| k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32 | 195.818787 |
| k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32 | 7.82910013 |
| k_AutoCntrLoSpdTimer1VehSpd_kph_f32 | 29.3435669 |
| k_AutoCntrLoSpdTimer1_mS_u16 | 25532 |
| k_AutoCntrLoSpdTimer2_mS_u16 | 27401 |
| k_AutoCntrPinTrqLPFCoeffKn_Hz_f32 | 0.0049999989 |
| k_SLPEnableBFCheck_Cnt_lgc | 1 |
| k_SLPHwAuthority_Uls_f32 | 0.192599997 |
| target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 | 728.190979 |
| target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc | 0 |
| $target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc$ | 0 |
| target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset | target_Pim_MotPosReset |





| Name | Input Value | | |
|-----------------------------------------------------------------|-----------------|----------------------------------------|----------|
| tgt_GetSystemTime_mS_u32_CurrentTime | 2242866176 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 312.352844 | 312.352844 ± 0.2 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 68.0500031 | 68.0500031 ± 0.5 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 8.16609764 | 8.16609764 ± 0.04 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 93.8445969 | 93.8445969 ± 0.0625 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 5222 | 5222 ± 2 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 31042 | 31042 ± 2 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 2242866176 | 2242866176 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 2242866176 | 2242866176 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 6.28232956e-005 | 6.28298803e-005 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 6.28232956e-005 | 6.28298803e-005 ± 1.25663627181805E-06 | • |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 575.91394 | 575.91394 ± 0.2 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 204.072876 | 204.072876 ± 0.5 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 8.9376688 | 8.9376688 ± 0.04 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 32.0222664 | 32.0222664 ± 0.0625 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 5222 | 5222 ± 2 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 33330 | 33330 ± 2 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 2242866176 | 2242866176 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 2242866176 | 2242866176 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 6.28232956e-005 | 6.28298803e-005 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000791370869 | 0.000791368075 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 195.818787 | 195.818787 ± 0.2 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 29.3435669 | 29.3435669 ± 0.5 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 7.82910013 | 7.82910013 ± 0.04 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 95.9834061 | 95.9834061 ± 0.0625 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 25532 | 25532 ± 2 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 27401 | 27401 ± 2 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 2242866176 | 2242866176 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 2242866176 | 2242866176 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 6.28232956e-005 | 6.28298803e-005 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 6.28232956e-005 | 6.28298803e-005 ± 1.25663627181805E-06 | • |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 6.28232956e-005 | 6.28298803e-005 ± 1.25663627181805E-06 | ~ |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0 | 0 | ~ |
| VehDyn_SLPHwPos_HwDeg_M_f32 | 0 | 0 | ~ |

| Τ | | | | ✓ |
|---------------------------------------------|-------|---------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ✓ |

| Test Step 2.38 (Repeat Count = 1) | ✓ |
|------------------------------------------------------------------|------------------------------------------------------------------------|
| Name | Input Value |
| GetSystemTime_mS_u32(CurrentTime) | tgt_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc) | target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn_2 |
| k_AutoCntrHiSpdCntrWindow_HwDeg_f32 | 43.6620522 |
| k_AutoCntrHiSpdFilt1Kn_Hz_f32 | 0.00200000009 |
| k_AutoCntrHiSpdFilt2Kn_Hz_f32 | 0.0149999997 |
| k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32 | 448.286377 |
| k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32 | 20 |
| k_AutoCntrHiSpdTimer1VehSpd_kph_f32 | 144.583755 |
| k_AutoCntrHiSpdTimer1_mS_u16 | 0 |
| k_AutoCntrHiSpdTimer2_mS_u16 | 41107 |
| k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32 | 62.654911 |
| k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32 | 608.513794 |
| k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32 | 11.5653687 |
| k_AutoCntrHiSpdTimer4VehSpd_kph_f32 | 65 |
| k_AutoCntrHiSpdTimer4_mS_u16 | 51504 |
| k_AutoCntrLoSpdCntrWindow_HwDeg_f32 | 91.3417435 |
| k_AutoCntrLoSpdFilt1Kn_Hz_f32 | 0.0320999995 |
| k_AutoCntrLoSpdFilt2Kn_Hz_f32 | 0.00499999989 |
| k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32 | 487.27597 |
| k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32 | 12.8190889 |
| k_AutoCntrLoSpdTimer1VehSpd_kph_f32 | 254.395218 |
| k_AutoCntrLoSpdTimer1_mS_u16 | 30404 |
| k_AutoCntrLoSpdTimer2_mS_u16 | 30349 |
| k_AutoCntrPinTrqLPFCoeffKn_Hz_f32 | 0.00200000009 |
| k_SLPEnableBFCheck_Cnt_lgc | 0 |
| k_SLPHwAuthority_Uls_f32 | 0.238800004 |





| Name | Input Value | | |
|------------------------------------------------------------------------------------|------------------------|----------------------------------------|----------|
| target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 | 559.960022 | | |
| target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc | 1 | | |
| $target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc$ | 1 | | |
| target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset | target_Pim_MotPosReset | | |
| tgt_GetSystemTime_mS_u32_CurrentTime | 2303132928 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 608.513794 | 608.513794 ± 0.2 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 65 | 65 ± 0.5 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 11.5653687 | 11.5653687 ± 0.04 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 62.654911 | 62.654911 ± 0.0625 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 0 | 0 ± 2 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 51504 | 51504 ± 2 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 2303132928 | 2303132928 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 2303132928 | 2303132928 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000403285027 | 0.000403299142 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 6.28232956e-005 | 6.28298803e-005 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 448.286377 | 448.286377 ± 0.2 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 144.583755 | 144.583755 ± 0.5 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 20 | 20 ± 0.04 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 43.6620522 | 43.6620522 ± 0.0625 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 0 | 0 ± 2 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 41107 | 41107 ± 2 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 2303132928 | 2303132928 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 2303132928 | 2303132928 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 2.51531601e-005 | 2.51324254e-005 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000188469887 | 0.000188477788 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 487.27597 | 487.27597 ± 0.2 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 254.395218 | 254.395218 ± 0.5 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 12.8190889 | 12.8190889 ± 0.04 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 91.3417435 | 91.3417435 ± 0.0625 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 30404 | 30404 ± 2 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 30349 | 30349 ± 2 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 2303132928 | 2303132928 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 2303132928 | 2303132928 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000403285027 | 0.000403299142 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 6.28232956e-005 | 6.28298803e-005 ± 1.25663627181805E-06 | ~ |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 2.51531601e-005 | 2.51324254e-005 ± 1.25663627181805E-06 | ~ |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.238800004 | 0.238800004 | ~ |
| VehDyn_SLPHwPos_HwDeg_M_f32 | 559.960022 | 559.960022 | ~ |

| T | | | | ✓ |
|---------------------------------------------|-------|---------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | ~ |
| GetSystemTime mS u32 | 1 | GetSystemTime mS u32 | 1 | ✓ |

| Test Step 2.39 (Repeat Count = 1) | ✓ |
|------------------------------------------------------------------|------------------------------------------------------------------------|
| Name | Input Value |
| GetSystemTime_mS_u32(CurrentTime) | tgt_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc) | target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn_2 |
| k_AutoCntrHiSpdCntrWindow_HwDeg_f32 | 7.2738266 |
| k_AutoCntrHiSpdFilt1Kn_Hz_f32 | 0.00899999961 |
| k_AutoCntrHiSpdFilt2Kn_Hz_f32 | 0.00200000009 |
| k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32 | 460.901886 |
| k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32 | 8.00629902 |
| k_AutoCntrHiSpdTimer1VehSpd_kph_f32 | 92.026535 |
| k_AutoCntrHiSpdTimer1_mS_u16 | 16931 |
| k_AutoCntrHiSpdTimer2_mS_u16 | 34441 |
| k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32 | 51.3993683 |
| k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32 | 119.134666 |
| k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32 | 0 |
| k_AutoCntrHiSpdTimer4VehSpd_kph_f32 | 103.723984 |
| k_AutoCntrHiSpdTimer4_mS_u16 | 51145 |
| k_AutoCntrLoSpdCntrWindow_HwDeg_f32 | 65.2026672 |
| k_AutoCntrLoSpdFilt1Kn_Hz_f32 | 0.00899999961 |
| k_AutoCntrLoSpdFilt2Kn_Hz_f32 | 0.0250000004 |
| k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32 | 581.690918 |
| k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32 | 6.79465103 |
| k_AutoCntrLoSpdTimer1VehSpd_kph_f32 | 236.401962 |
| k_AutoCntrLoSpdTimer1_mS_u16 | 46296 |





| Name | Input Value | | |
|------------------------------------------------------------------------|------------------------|----------------------------------------|----------|
| k_AutoCntrLoSpdTimer2_mS_u16 | 9393 | | |
| k_AutoCntrPinTrqLPFCoeffKn_Hz_f32 | 0.00899999961 | | |
| k_SLPEnableBFCheck_Cnt_lgc | 0 | | |
| k_SLPHwAuthority_Uls_f32 | 0.199200004 | | |
| target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 | 704.15802 | | |
| target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc | 1 | | |
| target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc | 1 | | |
| target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset | target_Pim_MotPosReset | | |
| tgt_GetSystemTime_mS_u32_CurrentTime | 2269150976 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 119.134666 | 119.134666 ± 0.2 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 103.723984 | 103.723984 ± 0.5 | ✓ |
| VehDyn AutoCntrDetSpd M str.FiltPinTrg HwNm f32 | 0 | 0 ± 0.04 | ~ |
| VehDyn AutoCntrDetSpd M str.CntrWindow HwDeg f32 | 51.3993683 | 51.3993683 ± 0.0625 | ✓ |
| VehDyn AutoCntrDetSpd M str.Timer1Thresh mS u16 | 16931 | 16931 ± 2 | ~ |
| VehDyn AutoCntrDetSpd M str.Timer2Thresh mS u16 | 51145 | 51145 ± 2 | ✓ |
| VehDyn AutoCntrDetSpd M str.Timer1 mS u32 | 2269150976 | 2269150976 | • |
| VehDyn AutoCntrDetSpd M str.Timer2 mS u32 | 2269150976 | 2269150976 | ✓ |
| VehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32 | 0.000113070011 | 0.000113090937 ± 1.25663627181805E-06 | ~ |
| VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32 | 0.000314116478 | 0.00031410993 ± 1.25663627181805E-06 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 460.901886 | 460.901886 ± 0.2 | • |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 92.026535 | 92.026535 ± 0.5 | ✓ |
| VehDyn AutoCntrHiSpd M str.FiltPinTrq HwNm f32 | 8.00629902 | 8.00629902 ± 0.04 | • |
| VehDyn AutoCntrHiSpd M str.CntrWindow HwDeg f32 | 7.2738266 | 7.2738266 ± 0.0625 | ✓ |
| VehDyn AutoCntrHiSpd M str.Timer1Thresh mS u16 | 16931 | 16931 ± 2 | • |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 34441 | 34441 ± 2 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 2269150976 | 2269150976 | • |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 2269150976 | 2269150976 | • |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000113070011 | 0.000113090937 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 2.51531601e-005 | 2.51324254e-005 ± 1.25663627181805E-06 | . 🗸 |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 581.690918 | 581.690918 ± 0.2 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 236.401962 | 236.401962 ± 0.5 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 6.79465103 | 6.79465103 ± 0.04 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 65.2026672 | 65.2026672 ± 0.0625 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 46296 | 46296 ± 2 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 9393 | 9393 ± 2 | • |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 2269150976 | 2269150976 | • |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 2269150976 | 2269150976 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000113070011 | 0.000113090937 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000314116478 | 0.00031410993 ± 1.25663627181805E-06 | ✓ |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000113070011 | 0.000113090937 ± 1.25663627181805E-06 | ~ |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.199200004 | 0.199200004 | ~ |
| VehDyn_SLPHwPos_HwDeg_M_f32 | 704.15802 | 704.15802 | - |

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VehDyn_Init1

| Name | Input Value | | |
|----------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|-------------------------------------------------------------------------------|----------|
| k AutoCntrLoSpdTimer1MtrVel MtrRadpS f32 | 578.046082 | | |
| k AutoCntrLoSpdTimer1PinTrg HwNm f32 | 16.1874886 | | |
| k AutoCntrLoSpdTimer1VehSpd kph f32 | 158.773651 | | |
| k AutoCntrLoSpdTimer1 mS u16 | 21486 | | |
| k AutoCntrLoSpdTimer2 mS u16 | 38584 | | |
| k AutoCntrPinTrgLPFCoeffKn Hz f32 | 0.0250000004 | | |
| k SLPEnableBFCheck Cnt Igc | 1 | | |
| k_SLPHwAuthority_Uls_f32 | 0.205799997 | | |
| target Pim MotPosReset.NVMStoredLastPos HwDeg f32 | 680.125 | | |
| target Pim MotPosReset.NVMStoredLastPosValid Cnt Igc | 0 | | |
| target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc | 0 | | |
| target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset | target Pim MotPosReset | | |
| tgt_GetSystemTime_mS_u32_CurrentTime | 3533260288 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn AutoCntrDetSpd M str.MtrVel MtrRadpS f32 | 201.577209 | 201.577209 ± 0.2 | Result |
| · - · · · - | 194.557587 | 194.557587 ± 0.5 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 20 | 194.557567 ± 0.5 20 ± 0.04 | |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | | 1 1 1 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 53.1939697 20459 | 53.1939697 ± 0.0625 20459 ± 2 | Ž |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 55301 | 55301 ± 2 | V |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 3533260288 | 3533260288 | |
| | | | · · |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 3533260288 | 3533260288 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000314116478 0.000791370869 | 0.00031410993 ± 1.25663627181805E-06 0.000791368075 ± 1.25663627181805E-06 | ~ |
| 7 | 160.17424 | 160.17424 ± 0.2 | |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 28.4624329 | 28.4624329 ± 0.5 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 4.19048309 | 26.4624329 ± 0.5 4.19048309 ± 0.04 | |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 91.5981827 | 91.5981827 ± 0.0625 | - |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 20459 | 20459 ± 2 | |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 35552 | 35552 ± 2 | V |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 3533260288 | 3533260288 | |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | | | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 3533260288 | 3533260288 0.00031410993 ± 1.25663627181805E-06 | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000314116478 6.28232956e-005 | 6.28298803e-005 ± 1.25663627181805E-06 | ~ |
| | | | |
| VehDyn_AutoCottrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 578.046082 | 578.046082 ± 0.2 | ~ |
| VehDyn_AutoCotrl oSpd_M_str.VehSpd_kph_f32 | 158.773651 16.1874886 | 158.773651 ± 0.5 16.1874886 ± 0.04 | |
| VehDyn_AutoCotrl oSpd_M_str.FiltPinTrq_HwNm_f32 | 52.1249008 | 16.1674686 ± 0.04 52.1249008 ± 0.0625 | V |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 21486 | 52.1249006 ± 0.0625 21486 ± 2 | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 38584 | 38584 ± 2 | · · |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 3533260288 | 3533260288 | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 3533260288 0.000314116478 | 3533260288 | Ž |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000314116478 | 0.00031410993 ± 1.25663627181805E-06 0.000791368075 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000791370869 | | |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000314116478 | 0.00031410993 ± 1.25663627181805E-06 0 | V |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0 | 0 | Ž |
| VehDyn_SLPHwPos_HwDeg_M_f32 | U | U | |

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|---------------------------------------------|-------|---------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | ~ |
| GetSystemTime mS u32 | 1 | GetSystemTime mS u32 | 1 | V |

| Test Step 2.41 (Repeat Count = 1) | ✓ |
|------------------------------------------------------------------|------------------------------------------------------------------------|
| Name | Input Value |
| GetSystemTime_mS_u32(CurrentTime) | tgt_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc) | target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn_2 |
| k_AutoCntrHiSpdCntrWindow_HwDeg_f32 | 29.3254967 |
| k_AutoCntrHiSpdFilt1Kn_Hz_f32 | 0.063000001 |
| k_AutoCntrHiSpdFilt2Kn_Hz_f32 | 0.00520000001 |
| k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32 | 677.585876 |
| k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32 | 7.90520477 |
| k_AutoCntrHiSpdTimer1VehSpd_kph_f32 | 186.264114 |
| k_AutoCntrHiSpdTimer1_mS_u16 | 55165 |
| k_AutoCntrHiSpdTimer2_mS_u16 | 36663 |
| k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32 | 39.3708954 |
| k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32 | 525.822998 |
| k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32 | 14.0500002 |
| k_AutoCntrHiSpdTimer4VehSpd_kph_f32 | 44.416153 |





| Name | Input Value | | |
|------------------------------------------------------------------------|------------------------|----------------------------------------|-------|
| k_AutoCntrHiSpdTimer4_mS_u16 | 40693 | | |
| k_AutoCntrLoSpdCntrWindow_HwDeg_f32 | 22.5556393 | | |
| k_AutoCntrLoSpdFilt1Kn_Hz_f32 | 0.063000001 | | |
| k_AutoCntrLoSpdFilt2Kn_Hz_f32 | 0.00200000009 | | |
| k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32 | 413.003265 | | |
| k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32 | 4.57800722 | | |
| k_AutoCntrLoSpdTimer1VehSpd_kph_f32 | 89.0179596 | | |
| k_AutoCntrLoSpdTimer1_mS_u16 | 24720 | | |
| k_AutoCntrLoSpdTimer2_mS_u16 | 36760 | | |
| k_AutoCntrPinTrqLPFCoeffKn_Hz_f32 | 0.063000001 | | |
| k_SLPEnableBFCheck_Cnt_lgc | 0 | | |
| k_SLPHwAuthority_Uls_f32 | 0.212400004 | | |
| target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 | 656.09198 | | |
| target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc | 1 | | |
| target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc | 1 | | |
| target Rte Inst Ap VehDyn 2.Pim MotPosReset | target Pim MotPosReset | | |
| tgt_GetSystemTime_mS_u32_CurrentTime | 812314880 | | |
| Name | Actual Value | Expected Value | Resul |
| VehDyn AutoCntrDetSpd M str.MtrVel MtrRadpS f32 | 525.822998 | 525.822998 ± 0.2 | • |
| VehDyn AutoCntrDetSpd M str.VehSpd kph f32 | 44.416153 | 44.416153 ± 0.5 | |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 14.0500002 | 14.0500002 ± 0.04 | ٠, |
| VehDyn AutoCntrDetSpd M str.CntrWindow HwDeg f32 | 39.3708954 | 39.3708954 ± 0.0625 | |
| VehDyn AutoCntrDetSpd M str.Timer1Thresh mS u16 | 55165 | 55165 ± 2 | ٠, |
| VehDyn AutoCntrDetSpd M str.Timer2Thresh mS u16 | 40693 | 40693 ± 2 | |
| VehDyn AutoCntrDetSpd M str.Timer1 mS u32 | 812314880 | 812314880 | |
| VehDyn AutoCntrDetSpd M str.Timer2 mS u32 | 812314880 | 812314880 | |
| VehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32 | 0.000791370869 | 0.000791368075 ± 1.25663627181805E-06 | |
| VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32 | 2.51531601e-005 | 2.51324254e-005 ± 1.25663627181805E-06 | |
| VehDyn AutoCntrHiSpd M str.MtrVel MtrRadpS f32 | 677.585876 | 677.585876 ± 0.2 | |
| VehDyn AutoCntrHiSpd M str.VehSpd kph f32 | 186.264114 | 186.264114 ± 0.5 | |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 7.90520477 | 7.90520477 ± 0.04 | |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 29.3254967 | 29.3254967 ± 0.0625 | |
| VehDyn AutoCntrHiSpd M str.Timer1Thresh mS u16 | 55165 | 55165 ± 2 | |
| VehDyn AutoCntrHiSpd M str.Timer2Thresh mS u16 | 36663 | 36663 ± 2 | |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 812314880 | 812314880 | |
| VehDyn AutoCntrHiSpd M str.Timer2 mS u32 | 812314880 | 812314880 | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000791370869 | 0.000791368075 ± 1.25663627181805E-06 | |
| VehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32 | 6.53266907e-005 | 6.53429888e-005 ± 1.25663627181805E-06 | |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 413.003265 | 413.003265 ± 0.2 | |
| VehDyn AutoCntrLoSpd M str.VehSpd kph f32 | 89.0179596 | 89.0179596 ± 0.5 | |
| VehDyn AutoCntrLoSpd M str.FiltPinTrg HwNm f32 | 4.57800722 | 4.57800722 ± 0.04 | |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 22.5556393 | 22.5556393 ± 0.0625 | |
| VehDyn AutoCntrLoSpd M str.Timer1Thresh mS u16 | 24720 | 24720 ± 2 | |
| VehDyn AutoCntrLoSpd M str.Timer2Thresh mS u16 | 36760 | 36760 ± 2 | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 812314880 | 812314880 | |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 812314880 | 812314880 | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000791370869 | 0.000791368075 ± 1.25663627181805E-06 | |
| VehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32 | 2.51531601e-005 | 2.51324254e-005 ± 1.25663627181805E-06 | |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000791370869 | 0.000791368075 ± 1.25663627181805E-06 | |
| VehDyn SLPHwAuth Uls M f32 | 0.212400004 | 0.212400004 | |
| VehDyn SLPHwPos HwDeg M f32 | 656.09198 | 656.09198 | |

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|---------------------------------------------|-------|---------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ✓ |

| Test Step 2.42 (Repeat Count = 1) | · · |
|------------------------------------------------------------------|------------------------------------------------------------------------|
| Name | Input Value |
| GetSystemTime_mS_u32(CurrentTime) | tgt_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc) | target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn_2 |
| k_AutoCntrHiSpdCntrWindow_HwDeg_f32 | 88.5801086 |
| k_AutoCntrHiSpdFilt1Kn_Hz_f32 | 0.00520000001 |
| k_AutoCntrHiSpdFilt2Kn_Hz_f32 | 0.0250000004 |
| k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32 | 525.752197 |
| k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32 | 13.4235058 |
| k_AutoCntrHiSpdTimer1VehSpd_kph_f32 | 255 |
| k_AutoCntrHiSpdTimer1_mS_u16 | 42277 |
| k_AutoCntrHiSpdTimer2_mS_u16 | 52217 |





| Name | Input Value | | |
|------------------------------------------------------------------------------------------------|--------------------------|----------------------------------------|----------|
| k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32 | 38.5221024 | | |
| k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32 | 265.609314 | | |
| k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32 | 3 | | |
| k_AutoCntrHiSpdTimer4VehSpd_kph_f32 | 196.135361 | | |
| k_AutoCntrHiSpdTimer4_mS_u16 | 54573 | | |
| k_AutoCntrLoSpdCntrWindow_HwDeg_f32 | 58.6687202 | | |
| k_AutoCntrLoSpdFilt1Kn_Hz_f32 | 0.0250000004 | | |
| k_AutoCntrLoSpdFilt2Kn_Hz_f32 | 0.00600000005 | | |
| k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32 | 72.2188644 | | |
| k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32 | 5.45036793 | | |
| k_AutoCntrLoSpdTimer1VehSpd_kph_f32 | 172.141464 | | |
| k_AutoCntrLoSpdTimer1_mS_u16 | 47724 | | |
| k_AutoCntrLoSpdTimer2_mS_u16 | 1764 | | |
| k_AutoCntrPinTrqLPFCoeffKn_Hz_f32 | 0.00520000001 | | |
| k_SLPEnableBFCheck_Cnt_lgc | 0 | | |
| k_SLPHwAuthority_Uls_f32 | 0.304800004 | | |
| target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 | 319.630005 | | |
| target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc | 1 | | |
| target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc | 1 | | |
| target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset | target_Pim_MotPosReset | | |
| tgt_GetSystemTime_mS_u32_CurrentTime | 4195077888 | I= | 1 |
| Name | Actual Value | Expected Value | Result |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 265.609314 | 265.609314 ± 0.2 | |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 196.135361 | 196.135361 ± 0.5 | _ |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 3 | 3 ± 0.04 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 38.5221024 | 38.5221024 ± 0.0625 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 42277 | 42277 ± 2 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 54573 | 54573 ± 2 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 4195077888 | 4195077888 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 4195077888 | 4195077888 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000314116478 | 0.00031410993 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 7.53998756e-005 | 7.53953791e-005 ± 1.25663627181805E-06 | |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 525.752197 | 525.752197 ± 0.2 | |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 255 | 255 ± 0.5 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 13.4235058 | 13.4235058 ± 0.04 | • |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 88.5801086 | 88.5801086 ± 0.0625 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 42277 | 42277 ± 2 | V |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 52217 | 52217 ± 2 | V |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 4195077888 | 4195077888 | • |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 4195077888 | 4195077888 | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 6.53266907e-005 | 6.53429888e-005 ± 1.25663627181805E-06 | • |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000314116478 | 0.00031410993 ± 1.25663627181805E-06 | , |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 72.2188644 172.141464 | 72.2188644 ± 0.2 172.141464 ± 0.5 | - |
| VehDyn_AutoCatrl oSad M. atr FiltDia Tra. J. hubban 632 | | | |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 5.45036793 | 5.45036793 ± 0.04 | · |
| | 58.6687202 47724 | 58.6687202 ± 0.0625 | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 1764 | 47724 ± 2 1764 ± 2 | ~ |
| VehDyn AutoCntrLoSpd M str.Timer2 ms u32 | 4195077888 | 4195077888 | |
| VehDyn AutoCntrLoSpd M str.Timer1_mS_u32 VehDyn AutoCntrLoSpd M str.Timer2 mS u32 | 4195077888 | 4195077888 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000314116478 | 0.00031410993 ± 1.25663627181805E-06 | |
| VehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32 | 7.53998756e-005 | 7.53953791e-005 ± 1.25663627181805E-06 | |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 6.53266907e-005 | 6.53429888e-005 ± 1.25663627181805E-06 | |
| VehDyn SLPHwAuth Uls M f32 | 0.304800004 | 0.304800004 | • |
| VehDyn_SLPHwPos_HwDeg_M_f32 | 319.630005 | 319.630005 | |
| venbyn_our nwros_nwbeg_w_ioz | 319.00000 | 0.13.000000 | |

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|---------------------------------------------|-------|---------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ✓ |

| Test Step 2.43 (Repeat Count = 1) | |
|------------------------------------------------------------------|------------------------------------------------------------------------|
| Name | Input Value |
| GetSystemTime_mS_u32(CurrentTime) | tgt_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc) | target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn_2 |
| k_AutoCntrHiSpdCntrWindow_HwDeg_f32 | 92.2299118 |
| k_AutoCntrHiSpdFilt1Kn_Hz_f32 | 0.00499999989 |
| k_AutoCntrHiSpdFilt2Kn_Hz_f32 | 0.00980000012 |
| k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32 | 235.852432 |

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|------------------------------------------------------------------------|-------------------------------|----------------------------------------|----------|
| Name | Input Value | | |
| k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32 | 18.6467209 | | |
| k_AutoCntrHiSpdTimer1VehSpd_kph_f32 | 179.530945 | | |
| k_AutoCntrHiSpdTimer1_mS_u16 | 51432 | | |
| k_AutoCntrHiSpdTimer2_mS_u16 | 37774 | | |
| k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32 | 0 | | |
| k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32 | 598.552856 | | |
| k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32 | 4.44533634 | | |
| k_AutoCntrHiSpdTimer4VehSpd_kph_f32 | 239.762329 | | |
| k_AutoCntrHiSpdTimer4_mS_u16 | 57193 | | |
| k_AutoCntrLoSpdCntrWindow_HwDeg_f32 | 58.8585777 | | |
| k_AutoCntrLoSpdFilt1Kn_Hz_f32 | 0.00200000009 | | |
| k_AutoCntrLoSpdFilt2Kn_Hz_f32 | 0.00499999989 | | |
| k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32 | 691.251282 | | |
| k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32 | 9.38685799 | | |
| k_AutoCntrLoSpdTimer1VehSpd_kph_f32 | 38.2069092 | | |
| k_AutoCntrLoSpdTimer1_mS_u16 | 44855 | | |
| k_AutoCntrLoSpdTimer2_mS_u16 | 51238 | | |
| k_AutoCntrPinTrqLPFCoeffKn_Hz_f32 | 0.00499999989 | | |
| k_SLPEnableBFCheck_Cnt_lgc | 1 | | |
| k_SLPHwAuthority_Uls_f32 | 0.218999997 | | |
| target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 | 632.059021 | | |
| target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc | 0 | | |
| target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc | 1 | | |
| target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset | target_Pim_MotPosReset | | |
| tgt GetSystemTime mS u32 CurrentTime | 3345084416 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 598.552856 | 598.552856 ± 0.2 | -1000 |
| VehDyn AutoCntrDetSpd M str.VehSpd kph f32 | 239.762329 | 239.762329 ± 0.5 | - |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 4.44533634 | 4.44533634 ± 0.04 | , |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 0 | 0 ± 0.0625 | - |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 51432 | 51432 ± 2 | |
| | 57193 | 57193 ± 2 | - |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 3345084416 | 3345084416 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | | 3345084416 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 3345084416 | | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 2.51531601e-005 | 2.51324254e-005 ± 1.25663627181805E-06 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 6.28232956e-005 235.852432 | 6.28298803e-005 ± 1.25663627181805E-06 | |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | | 235.852432 ± 0.2 | - |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 179.530945 | 179.530945 ± 0.5 | |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 18.6467209 | 18.6467209 ± 0.04 | - |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 92.2299118 | 92.2299118 ± 0.0625 | • |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 51432 | 51432 ± 2 | • |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 37774 | 37774 ± 2 | • |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 3345084416 | 3345084416 | _ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 3345084416 | 3345084416 | V |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 6.28232956e-005 | 6.28298803e-005 ± 1.25663627181805E-06 | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000123143196 | 0.000123142847 ± 1.25663627181805E-06 | V |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 691.251282 | 691.251282 ± 0.2 | _ |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 38.2069092 | 38.2069092 ± 0.5 | _ |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 9.38685799 | 9.38685799 ± 0.04 | _ |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 58.8585777 | 58.8585777 ± 0.0625 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 44855 | 44855 ± 2 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 51238 | 51238 ± 2 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 3345084416 | 3345084416 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 3345084416 | 3345084416 | - |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 2.51531601e-005 | 2.51324254e-005 ± 1.25663627181805E-06 | • |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 6.28232956e-005 | 6.28298803e-005 ± 1.25663627181805E-06 | |
| VCHDyn_ tatoona 200pa_w_otvch who ost wize v_nwbog_otv_oto_toz | 0.202329306-003 | | |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 6.28232956e-005 | 6.28298803e-005 ± 1.25663627181805E-06 | • |
| | | | · · |

| Τ | | | | V |
|---------------------------------------------|-------|---------------------------------------------|-------|--------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |

| Test Step 2.44 (Repeat Count = 1) | | ✓ |
|------------------------------------------------------------------|------------------------------------------------------------------------|----------|
| Name | Input Value | |
| GetSystemTime_mS_u32(CurrentTime) | tgt_GetSystemTime_mS_u32_CurrentTime | |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc) | target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc | |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn_2 | |





| Name | Input Value | | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|-----------------------------------------------------------------------------------------------|----------|
| k AutoCntrHiSpdCntrWindow HwDeg f32 | 41.6950645 | | |
| k AutoCntrHiSpdFilt1Kn Hz f32 | 0.0250000004 | | |
| k AutoCntrHiSpdFilt2Kn Hz f32 | 0.00989999995 | | |
| k AutoCntrHiSpdTimer1MtrVel MtrRadpS f32 | 463.985962 | | |
| k AutoCntrHiSpdTimer1PinTrg HwNm f32 | 8.70262909 | | |
| k AutoCntrHiSpdTimer1VehSpd kph f32 | 255 | | |
| | 12734 | | |
| k_AutoCntrHiSpdTimer1_mS_u16 | 38885 | | |
| k_AutoCntrHiSpdTimer2_mS_u16 | | | |
| k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32 | 100 179.399078 | | |
| k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32 | | | |
| k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32 | 12.4598589 | | |
| k_AutoCntrHiSpdTimer4VehSpd_kph_f32 | 82.9581757 | | |
| k_AutoCntrHiSpdTimer4_mS_u16 | 10910 | | |
| k_AutoCntrLoSpdCntrWindow_HwDeg_f32 | 75.6018066 | | |
| k_AutoCntrLoSpdFilt1Kn_Hz_f32 | 0.00499999989 | | |
| k_AutoCntrLoSpdFilt2Kn_Hz_f32 | 0.0344000012 | | |
| k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32 | 638.585999 | | |
| k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32 | 4.9565835 | | |
| k_AutoCntrLoSpdTimer1VehSpd_kph_f32 | 122.874435 | | |
| k_AutoCntrLoSpdTimer1_mS_u16 | 26195 | | |
| k_AutoCntrLoSpdTimer2_mS_u16 | 22037 | | |
| k_AutoCntrPinTrqLPFCoeffKn_Hz_f32 | 0.0250000004 | | |
| k_SLPEnableBFCheck_Cnt_lgc | 0 | | |
| k_SLPHwAuthority_Uls_f32 | 0.225600004 | | |
| target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 | 608.026001 | | |
| target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc | 1 | | |
| target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc | 0 | | |
| target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset | target_Pim_MotPosReset | | |
| tgt_GetSystemTime_mS_u32_CurrentTime | 2704864000 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 179.399078 | 179.399078 ± 0.2 | ~ |
| VehDyn AutoCntrDetSpd M str.VehSpd kph f32 | 82.9581757 | 82.9581757 ± 0.5 | • |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 12.4598589 | 12.4598589 ± 0.04 | _ |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 100 | 100 ± 0.0625 | • |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 12734 | 12734 ± 2 | _ |
| VehDyn AutoCntrDetSpd M str.Timer2Thresh mS u16 | 10910 | 10910 ± 2 | • |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 2704864000 | 2704864000 | _ |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 2704864000 | 2704864000 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 6.28232956e-005 | 6.28298803e-005 ± 1.25663627181805E-06 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000432193279 | 0.000432189729 ± 1.25663627181805E-06 | - |
| VehDyn AutoCntrHiSpd M str.MtrVel MtrRadpS f32 | 463.985962 | 463.985962 ± 0.2 | |
| | | 403.963962 ± 0.2 255 ± 0.5 | - |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 255 | | |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 8.70262909 | 8.70262909 ± 0.04 | * |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 41.6950645 | 41.6950645 ± 0.0625 | |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 12734 | 12734 ± 2 | |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 38885 | 38885 ± 2 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 2704864000 | 2704864000 | |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 2704864000 | 2704864000 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000314116478 | 0.00031410993 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000124394894 | 0.000124399332 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 638.585999 | 638.585999 ± 0.2 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 122.874435 | 122.874435 ± 0.5 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 4.9565835 | 4.9565835 ± 0.04 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 75.6018066 | 75.6018066 ± 0.0625 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 26195 | 26195 ± 2 | ~ |
| | 00007 | 22037 ± 2 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 22037 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 2704864000 | 2704864000 | _ |
| | | 2704864000 2704864000 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 2704864000 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 2704864000 2704864000 | 2704864000 | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 2704864000 2704864000 6.28232956e-005 | 2704864000 6.28298803e-005 ± 1.25663627181805E-06 | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 2704864000 2704864000 6.28232956e-005 0.000432193279 | 2704864000 6.28298803e-005 ± 1.25663627181805E-06 0.000432189729 ± 1.25663627181805E-06 | ~ |

| Т | | | | ✓ |
|---------------------------------------------|-------|---------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | • |





| Test Step 2.45 (Repeat Count = 1) | | • |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|
| Name | Input Value | |
| GetSystemTime_mS_u32(CurrentTime) | tgt_GetSystemTime_mS_u32_CurrentTime | |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc) | target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc | |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn_2 | |
| k_AutoCntrHiSpdCntrWindow_HwDeg_f32 | 75.4518967 | |
| k_AutoCntrHiSpdFilt1Kn_Hz_f32 | 0.063000001 | |
| k_AutoCntrHiSpdFilt2Kn_Hz_f32 | 0.00749999983 | |
| k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32 | 573.473022 | |
| k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32 | 1.88103604 | |
| k_AutoCntrHiSpdTimer1VehSpd_kph_f32 | 99.2100525 | |
| k_AutoCntrHiSpdTimer1_mS_u16 | 4764 | |
| k_AutoCntrHiSpdTimer2_mS_u16 | 39996 | |
| k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32 | 79.0500031 | |
| k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32 | 243.44046 | |
| k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32 | 17.900116 | |
| k_AutoCntrHiSpdTimer4VehSpd_kph_f32 | 17.667511 | |
| k_AutoCntrHiSpdTimer4_mS_u16 | 16349 | |
| k_AutoCntrLoSpdCntrWindow_HwDeg_f32 | 46.103508 | |
| k_AutoCntrLoSpdFilt1Kn_Hz_f32 | 0.00520000001 | |
| k_AutoCntrLoSpdFilt2Kn_Hz_f32 | 0.0458000004 | |
| k_AutoContrLoSpdTimer1MtrVel_MtrRadpS_f32 | 159.033066 | |
| k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32 | 18.4460754 | |
| k_AutoCottleSpdTimer1VehSpd_kph_f32 | 56.1687317 | |
| k_AutoCntrLoSpdTimer1_mS_u16 k_AutoCntrLoSpdTimer2_mS_u16 | 43190 3186 | |
| | 0.063000001 | |
| k_AutoCntrPinTrqLPFCoeffKn_Hz_f32 k SLPEnableBFCheck Cnt lqc | 1 | |
| k SLPHwAuthority Uls f32 | 0.232199997 | |
| target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 | 583.992981 | |
| target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc | 0 | |
| target Rte Call Ap VehDyn NxtrDiagMgr GetNTCActive NTCActive Ptr T Igc | 0 | |
| target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset | target_Pim_MotPosReset | |
| tgt_GetSystemTime_mS_u32_CurrentTime | 662694400 | |
| Name | Actual Value Expected Value | Resul |
| VehDyn AutoCntrDetSpd M str.MtrVel MtrRadpS f32 | 243.44046 243.44046 ± 0.2 | Resul |
| | 17.667511 17.667511 ± 0.5 | |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 17.900116 17.900116 ± 0.04 | |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 79.0500031 79.0500031 ± 0.0625 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 4764 4764 ± 2 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 16349 16349 ± 2 | |
| VehDyn AutoCntrDetSpd M str.Timer1 mS u32 | 10040 12 | |
| | 662694400 | |
| VenLivn AutoChtriletSnd M str Limer2 mS u32 | 662694400 662694400 662694400 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str_RelHwPosFilt1SV_HwDeg_str_K_Llls_f32 | 662694400 662694400 | • |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 662694400 662694400 6.53266907e-005 6.53429888e-005 ± 1.25663627181805E-0 | 6 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 662694400 662694400 6.53266907e-005 6.53429888e-005 ± 1.25663627181805E-0 0.000575363636 0.000575374172 ± 1.25663627181805E-06 | 6 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 662694400 662694400 6.53266907e-005 6.53429888e-005 ± 1.25663627181805E-0 0.000575363636 0.000575374172 ± 1.25663627181805E-06 573.473022 573.473022 ± 0.2 | 6 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 662694400 662694400 6.53266907e-005 6.53429888e-005 ± 1.25663627181805E-0 0.000575363636 0.000575374172 ± 1.25663627181805E-06 573.473022 573.473022 ± 0.2 99.2100525 99.2100525 ± 0.5 | 6 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 662694400 662694400 6.53266907e-005 6.53429888e-005 ± 1.25663627181805E-0 0.000575363636 0.000575374172 ± 1.25663627181805E-06 573.473022 573.473022 ± 0.2 | 6 |
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| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.WehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2TneS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt3SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 662694400 6.53266907e-005 6.5326988e-005 ± 1.25663627181805E-06 0.000575363636 0.000575374172 ± 1.25663627181805E-06 573.473022 99.2100525 99.2100525 1.88103604 75.4518967 75.4518967 75.4518967 4764 4764 23996 39996 39996 ± 2 662694400 662694400 662694400 0.000791370869 9.42349434e-005 159.033066 159.033066 159.033066 159.033066 159.033066 159.033066 40.2 56.1687317 56.1687317 56.1687317 ± 0.5 18.4460754 46.103508 46.103508 46.103508 43190 43190 ± 2 3186 662694400 | 6 6 6 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.NtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 662694400 6.53266907e-005 6.5326988e-005 ± 1.25663627181805E-06 0.000575363636 0.000575374172 ± 1.25663627181805E-06 573.473022 99.2100525 1.88103604 75.4518967 75.4518967 4764 4764 4764 4764 239996 39996 39996 62694400 662694400 0.000791370869 9.423398e-005 ± 1.25663627181805E-06 9.42349434e-005 159.033066 159.033066 159.033066 159.033066 ± 0.2 56.1887317 56.1887317 56.1887317 ± 0.5 18.4460754 46.103508 46.103508 46.103508 46.103508 ± 0.0625 43190 43190 ± 2 3186 662694400 662694400 662694400 662694400 | 6 6 6 6 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2TneS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt3SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u20 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 662694400 6.53266907e-005 6.53266907e-005 6.53266907e-005 6.53429888e-005 ± 1.25663627181805E-06 573.473022 573.473022 ± 0.2 99.2100525 1.88103604 75.4518967 75.4518967 4764 4764 ± 2 39996 39996 ± 2 662694400 662694400 0.000791370869 9.423398e-005 ± 1.25663627181805E-06 56.1687317 56.1687317 56.1687317 56.1687317 56.1687317 56.1687317 56.1687317 56.1687317 56.1687317 56.1687317 56.1687317 56.1687317 56.1687317 56.1687317 56.1687317 56.1687317 ± 0.5 18.4460754 46.103508 46.103508 ± 0.0625 43190 43190 ± 2 3186 632694400 662694400 662694400 662694400 662694400 662694400 662694400 662694400 662694400 662694400 662694400 662694400 662694400 662694400 662694400 662694400 662694400 662694400 662694400 662694400 | 6 6 6 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.NtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 662694400 6.53266907e-005 6.53266907e-005 6.53429888e-005 ± 1.25663627181805E-06 573.473022 573.473022 573.473022 ± 0.2 99.2100525 1.88103604 75.4518967 75.4518967 4764 4764 ± 2 3996 39996 39996 ± 2 662694400 662694400 0.000791370869 9.423398e-005 ± 1.25663627181805E-06 56.1687317 56.1687317 56.1687317 18.4460754 46.103508 46.103508 46.103508 4764 2 3186 3186 2 662694400 662694400 662694400 662694400 662694400 662694400 662694400 662694400 66368717 56.1687317 ± 0.5 18.4460754 46.103508 46.103508 46.103508 46.103508 46.62694400 662694400 662694400 662694400 662694400 662694400 662694400 662694400 662694400 662694400 662694400 662694400 662694400 662694400 662694400 662694400 662694400 662694400 662694400 662694400 662694400 662694400 662694400 662694400 662694400 662694400 662694400 662694400 662694400 662694400 662694400 662694400 662694400 662694400 662694400 662694400 662694400 662694400 662694400 662694400 662694400 662694400 662694400 662694400 662694400 662694400 662694400 662694400 662694400 662694400 662694400 | 6 6 |



| Τ | | | | ✓ |
|---------------------------------------------|-------|---------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | ~ |
| GetSystemTime mS u32 | 1 | GetSystemTime mS u32 | 1 | ✓ |

| Name | Input Value | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|
| GetSystemTime_mS_u32(CurrentTime) | tgt GetSystemTime mS u32 CurrentTime | |
| Rte Call Ap VehDyn NxtrDiagMgr GetNTCActive(NTCActive Ptr T lgc) | target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc | |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn_2 | |
| < AutoCntrHiSpdCntrWindow HwDeg f32 | 96.1530533 | |
| <_AutoCntrHiSpdFilt1Kn_Hz_f32 | 0.00200000009 | |
| <tautocntrhispdfilt2kn_hz_f32< td=""><td>0.0049999989</td><td></td></tautocntrhispdfilt2kn_hz_f32<> | 0.0049999989 | |
| AutoCntrHiSpdTimer1MtrVel MtrRadpS f32 | 328.049988 | |
| AutoCntrHiSpdTimer1PinTrg HwNm f32 | 16.2922134 | |
| AutoCntrHiSpdTimer1VehSpd kph f32 | 42.3900299 | |
| AutoCntrHiSpdTimer1 mS u16 | 44765 | |
| A AutoCntrHiSpdTimer2 mS u16 | 49995 | |
| AutoCntrHiSpdTimer4CntrWindow HwDeg f32 | 5 | |
| AutoCntrHiSpdTimer4MtrVel MtrRadpS f32 | 225.86203 | |
| _AutoCntrHiSpdTimer4PinTrq_HwNm_f32 | 17.1959343 | |
| _AutoCntrHiSpdTimer4VehSpd_kph_f32 | 253.171951 | |
| : AutoCntrHiSpdTimer4 mS u16 | 45170 | |
| | 99.388649 | |
| :_AutoCntrLoSpdCntrWindow_HwDeg_f32 : AutoCntrLoSpdFilt1Kn Hz f32 | 99.300049 | |
| : AutoCntrLoSpdFilt2Kn Hz f32 | 0.0560000017 | |
| | | |
| _AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32 | 403.203857 | |
| _AutoCntrLoSpdTimer1PinTrq_HwNm_f32 | 18.2375278 | |
| _AutoCntrLoSpdTimer1VehSpd_kph_f32 | 216.894852 | |
| _AutoCntrLoSpdTimer1_mS_u16 | 51139 | |
| _AutoCntrLoSpdTimer2_mS_u16 | 36841 | |
| _AutoCntrPinTrqLPFCoeffKn_Hz_f32 | 0.00200000009 | |
| _SLPEnableBFCheck_Cnt_lgc | 0 | |
| _SLPHwAuthority_Uls_f32 | 0.291599989 | |
| arget_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 | 367.696014 | |
| arget_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc | 1 | |
| arget_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc | c 1 | |
| arget_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset | target_Pim_MotPosReset | |
| at CatCystomTime mC u22 CymratTime | | |
| gi_Getoystem rime_mo_usz_Current rime | 1711664384 | - |
| | Actual Value Expected Value | Re |
| lame | | Re |
| lame /ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | Actual Value Expected Value | Re |
| Alame /ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 /ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | Actual Value Expected Value 225.86203 225.86203 ± 0.2 | Re |
| Alame /ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 /ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 /ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | Actual Value Expected Value 225.86203 225.86203 ± 0.2 253.171951 253.171951 ± 0.5 | Re |
| lame 'ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 'ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 'ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 'ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | Actual Value Expected Value 225.86203 225.86203 ± 0.2 253.171951 253.171951 ± 0.5 17.1959343 17.1959343 ± 0.04 | Re |
| Jame /ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 /ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 /ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 /ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 /ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | Actual Value Expected Value 225.86203 225.86203 ± 0.2 253.171951 253.171951 ± 0.5 17.1959343 17.1959343 ± 0.04 5 5 ± 0.0625 | Re |
| lame fehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 fehDyn_AutoCntrDetSpd_M_str.WehSpd_kph_f32 fehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 fehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 fehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 fehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | Actual Value Expected Value 225.86203 225.86203 ± 0.2 253.171951 253.171951 ± 0.5 17.1959343 17.1959343 ± 0.04 5 5 ± 0.0625 44765 44765 ± 2 | Re |
| lame dehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 dehDyn_AutoCntrDetSpd_M_str.WehSpd_kph_f32 dehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 dehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 dehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 dehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 dehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | Actual Value Expected Value 225.86203 225.86203 ± 0.2 253.171951 253.171951 ± 0.5 17.1959343 17.1959343 ± 0.04 5 5 ± 0.0625 44765 44765 ± 2 45170 45170 ± 2 | Re |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | Actual Value Expected Value 225.86203 225.86203 ± 0.2 253.171951 253.171951 ± 0.5 17.1959343 17.1959343 ± 0.04 5 5 ± 0.0625 44765 44765 ± 2 45170 45170 ± 2 1711664384 1711664384 | |
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| dehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 dehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 dehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 dehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 dehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 dehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 dehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 dehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 dehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 dehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2N_HwDeg_str.K_Uls_f32 dehDyn_AutoCntrHiSpd_M_str.NtrVel_MtrRadpS_f32 dehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 dehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 dehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 dehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 dehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 dehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 dehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | Actual Value Expected Value 225.86203 225.86203 ± 0.2 253.171951 253.171951 ± 0.5 17.1959343 17.1959343 ± 0.04 5 5 ± 0.0625 44765 44765 ± 2 45170 45170 ± 2 1711664384 1711664384 1711664384 1711664384 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E-06 328.049988 328.049988 ± 0.2 42.3900299 42.3900299 ± 0.5 16.2922134 16.2922134 ± 0.04 96.1530533 96.1530533 ± 0.0625 44765 44765 ± 2 49995 49995 ± 2 1711664384 1711664384 1711664384 1711664384 1711664384 1711664384 2.51324254e-005 ± 1.25663627181805E-0 | 66 |
| dehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 /ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 /ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 /ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 /ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 /ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 /ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 /ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 /ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 /ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 /ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 /ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 /ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 /ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 /ehDyn_AutoCntrHiSpd_M_str.Timer3_mS_u32 /ehDyn_AutoCntrHiSpd_M_str.Timer3_mS_u32 /ehDyn_AutoCntrHiSpd_M_str.Timer3_mS_u32 | Actual Value Expected Value 225.86203 225.86203 ± 0.2 253.171951 253.171951 ± 0.5 17.1959343 17.1959343 ± 0.04 5 5 ± 0.0625 44765 44765 ± 2 45170 45170 ± 2 1711664384 1711664384 1711664384 1711664384 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E-0 0.000703454018 0.00070346921 ± 1.25663627181805E-0 328.049988 328.049988 ± 0.2 42.3900299 42.3900299 ± 0.5 16.2922134 16.2922134 ± 0.04 96.1530533 96.1530533 ± 0.0625 44765 44765 ± 2 49995 49995 ± 2 1711664384 1711664384 1711664384 1711664384 2.51321601e-005 6.2823803e-005 ± 1.25663627181805E-0 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E-0 | 66 |
| dehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 dehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 dehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 dehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 dehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 dehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 dehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 dehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 dehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 dehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 dehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 dehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 dehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 dehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 dehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 dehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 dehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 dehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 dehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 dehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 dehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 dehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 dehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 dehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | Actual Value Expected Value 225.86203 225.86203 ± 0.2 253.171951 253.171951 ± 0.5 17.1959343 17.1959343 ± 0.04 5 5 ± 0.0625 44765 44765 ± 2 45170 45170 ± 2 1711664384 1711664384 1711664384 1711664384 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E-0 0.000703454018 0.00070346921 ± 1.25663627181805E-0 328.049988 328.049988 ± 0.2 42.3900299 42.3900299 ± 0.5 16.2922134 16.2922134 ± 0.04 96.1530533 96.1530533 ± 0.0625 44765 44765 ± 2 49995 49995 ± 2 1711664384 1711664384 1711664384 1711664384 1711664384 1711664384 2.51324254e-005 ± 1.25663627181805E-0 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E-0 403.203857 403.203857 ± 0.2 | 66 |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | Actual Value Expected Value 225.86203 225.86203 ± 0.2 253.171951 253.171951 ± 0.5 17.1959343 17.1959343 ± 0.04 5 5 ± 0.0625 44765 44765 ± 2 45170 45170 ± 2 1711664384 1711664384 1711664384 1711664384 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E-0 0.000703454018 0.00070346921 ± 1.25663627181805E-0 328.049988 328.049988 ± 0.2 42.3900299 42.3900299 ± 0.5 16.2922134 16.2922134 ± 0.04 96.1530533 96.1530533 ± 0.0625 44765 44765 ± 2 49995 49995 ± 2 1711664384 1711664384 1711664384 1711664384 1711664384 1711664384 2.51324254e-005 ± 1.25663627181805E-0 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E-0 403.203857 403.203857 ± 0.2 216.894852 216.894852 ± 0.5 | 66 |
| dehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 dehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 dehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 dehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 dehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 dehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 dehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u32 dehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 dehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 dehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 dehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 dehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 dehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 dehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 dehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 dehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 dehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 dehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 dehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 dehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 dehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 dehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 dehDyn_AutoCntrHiSpd_M_str.Timer3_mS_u32 dehDyn_AutoCntrHiSpd_M | Actual Value Expected Value 225.86203 225.86203 ± 0.2 253.171951 253.171951 ± 0.5 17.1959343 17.1959343 ± 0.04 5 5 ± 0.0625 44765 44765 ± 2 45170 45170 ± 2 1711664384 1711664384 1711664384 1711664384 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E-0 0.000703454018 0.00070346921 ± 1.25663627181805E-0 328.049988 328.049988 ± 0.2 42.3900299 42.3900299 ± 0.5 16.2922134 16.2922134 ± 0.04 96.1530533 96.1530533 ± 0.0625 44765 44765 ± 2 49995 49995 ± 2 1711664384 1711664384 1711664384 1711664384 1711664384 1711664384 2.51321601e-005 6.2823803e-005 ± 1.25663627181805E-0 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E-0 403.203857 403.203857 ± 0.2 216.894852 216.894852 ± 0.5 18.2375278 18.2375278 ± 0.04 | 66 |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.NetVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.NetVel_MtrRadpS_f32 | Actual Value Expected Value 225.86203 225.86203 ± 0.2 253.171951 253.171951 ± 0.5 17.1959343 17.1959343 ± 0.04 5 5 ± 0.0625 44765 44765 ± 2 45170 45170 ± 2 1711664384 1711664384 1711664384 1711664384 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E-0 0.000703454018 0.00070346921 ± 1.25663627181805E-0 328.049988 328.049988 ± 0.2 42.3900299 42.3900299 ± 0.5 16.2922134 16.2922134 ± 0.04 96.1530533 96.1530533 ± 0.0625 44765 44765 ± 2 49995 49995 ± 2 1711664384 1711664384 1711664384 1711664384 1711664384 1711664384 2.51324254e-005 ± 1.25663627181805E-0 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E-0 403.203857 403.203857 ± 0.2 216.894852 216.894852 ± 0.5 18.2375278 99.388649 ± 0.0625 | 66 |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 /ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 /ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 /ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 /ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 /ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 /ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrHiSpd_M_str.NehSpd_kph_f32 /ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 /ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 /ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 /ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 /ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 /ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 /ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | Actual Value Expected Value 225.86203 225.86203 ± 0.2 253.171951 253.171951 ± 0.5 17.1959343 17.1959343 ± 0.04 5 5 ± 0.0625 44765 44765 ± 2 45170 45170 ± 2 1711664384 1711664384 1711664384 1711664384 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E-0 0.000703454018 0.00070346921 ± 1.25663627181805E-0 328.049988 328.049988 ± 0.2 42.3900299 42.3900299 ± 0.5 16.2922134 16.2922134 ± 0.04 96.1530533 96.1530533 ± 0.0625 44765 44765 ± 2 49995 49995 ± 2 1711664384 1711664384 1711664384 1711664384 1711664384 1711664384 2.51531601e-005 2.51324254e-005 ± 1.25663627181805E-0 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E-0 403.203857 403.203857 ± 0.2 216.894852 216.894852 ± 0.5 18.2375278 99.388649 ± 0.0625 <t< td=""><td>6</td></t<> | 6 |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 /ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 /ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 /ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 /ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 /ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 /ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 /ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 /ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 /ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 /ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 /ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 /ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrLoSpd_M_str.Timer1_mRs_u32 /ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 /ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 /ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 /ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 /ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | Actual Value Expected Value 225.86203 225.86203 ± 0.2 253.171951 253.171951 ± 0.5 17.1959343 17.1959343 ± 0.04 5 5 ± 0.0625 44765 44765 ± 2 45170 45170 ± 2 1711664384 1711664384 1711664384 1711664384 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E-06 328.049988 328.049988 ± 0.2 42.3900299 42.3900299 ± 0.5 16.2922134 16.2922134 ± 0.04 96.1530533 96.1530533 ± 0.0625 44765 44765 ± 2 49995 49995 ± 2 1711664384 1711664384 1711664384 1711664384 1711664384 1711664384 1711664384 1711664384 2.51321601e-005 2.51324254e-005 ± 1.25663627181805E-0 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E-0 403.203857 403.203857 ± 0.2 216.894852 216.894852 ± 0.5 18.2375278 99.388649 ± 0.0625 51139 | 6 |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.WehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1_Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.WehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.WehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.WehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mHwNm_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | Actual Value Expected Value 225.86203 225.86203 ± 0.2 253.171951 253.171951 ± 0.5 17.1959343 17.1959343 ± 0.04 5 5 ± 0.0625 44765 44765 ± 2 45170 45170 ± 2 1711664384 1711664384 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E-06 0.000703454018 0.00070346921 ± 1.25663627181805E-06 328.049988 328.049988 ± 0.2 42.3900299 42.3900299 ± 0.5 16.2922134 16.2922134 ± 0.04 96.1530533 96.1530533 ± 0.0625 44765 ± 2 49995 49995 49995 ± 2 1711664384 1711664384 1711664384 1711664384 2.51531601e-005 6.28232956e-005 403.203857 403.203857 ± 0.2 216.894852 216.894852 216.894852 18.2375278 ± 0.04 99.388649 99.388649 ± 0.0625 51139 51139 ± 2 36841 36841 ± 2 1711664384 1711664384 | 66 |
| Value VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.NtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.NtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u36 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u36 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u36 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u36 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u36 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u36 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_Auto | Actual Value Expected Value 225.86203 225.86203 ± 0.2 253.171951 253.171951 ± 0.5 17.1959343 17.1959343 ± 0.04 5 5 ± 0.0625 44765 44765 ± 2 45170 45170 ± 2 1711664384 1711664384 1711664384 1711664384 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E-06 328.049988 328.049988 ± 0.2 42.3900299 42.3900299 ± 0.5 16.2922134 16.2922134 ± 0.04 96.1530533 96.1530533 ± 0.0625 44765 44765 ± 2 49995 49995 ± 2 1711664384 1711664384 1711664384 1711664384 1711664384 1711664384 1711664384 1711664384 2.51321601e-005 2.51324254e-005 ± 1.25663627181805E-0 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E-0 403.203857 403.203857 ± 0.2 216.894852 216.894852 ± 0.5 18.2375278 99.388649 ± 0.0625 51139 | 6 6 5 |





| Name | Actual Value | Expected Value | Result |
|---------------------------------|-----------------|---------------------------------------|----------|
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 2.51531601e-005 | 2.51324254e-005 ± 1.25663627181805E-0 | 6 |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.291599989 | 0.291599989 | ✓ |
| VehDyn SLPHwPos HwDeg M f32 | 367.696014 | 367.696014 | ✓ |

| T | | | | V |
|---------------------------------------------|-------|---------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ✓ |

| Name | Input Value | | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|
| GetSystemTime_mS_u32(CurrentTime) | tgt_GetSystemTime_mS_u32_CurrentTir | ne | |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc) | target_Rte_Call_Ap_VehDyn_NxtrDiagM | | |
| Rte_Inst_Ap_VehDyn | target Rte Inst Ap VehDyn 2 | 0_1111 1 11 1_ 1 11 1_ 1_ 0 | |
| k AutoCntrHiSpdCntrWindow HwDeg f32 | 43.6620522 | | |
| k_AutoCntrHiSpdFilt1Kn_Hz_f32 | 0.00200000009 | | |
| k AutoCntrHiSpdFilt2Kn Hz f32 | 0.0149999997 | | |
| k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32 | 448.286377 | | |
| k AutoCntrHiSpdTimer1PinTrq HwNm f32 | 20 | | |
| k_AutoCntrHiSpdTimer1VehSpd_kph_f32 | 144.583755 | | |
| k AutoCntrHiSpdTimer1 mS u16 | 0 | | |
| k AutoCntrHiSpdTimer2 mS u16 | 41107 | | |
| k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32 | 62.654911 | | |
| k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32 | 608.513794 | | |
| k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32 | 11.5653687 | | |
| k AutoCntrHiSpdTimer4VehSpd kph f32 | 76.64888 | | |
| k AutoCntrHiSpdTimer4 mS u16 | 51504 | | |
| k_AutoCntrLoSpdCntrWindow_HwDeg_f32 | 91.3417435 | | |
| k_AutoCntrLoSpdFilt1Kn_Hz_f32 | 0.0320999995 | | |
| k AutoCntrLoSpdFilt2Kn Hz f32 | 0.0049999989 | | |
| k_AutoCntrLoSpdTimer1MtrVel MtrRadpS f32 | 487.27597 | | |
| k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32 | 12.8190889 | | |
| k AutoCntrLoSpdTimer1VehSpd kph f32 | 254.395218 | | |
| k_AutoCntrLoSpdTimer1_mS_u16 | 30404 | | |
| k AutoCntrLoSpdTimer2 mS u16 | 30349 | | |
| k AutoCntrPinTrqLPFCoeffKn Hz f32 | 0.00200000009 | | |
| k SLPEnableBFCheck Cnt Igc | 0.0020000000 | | |
| | 0.238800004 | | |
| k_SLPHwAuthority_UIs_f32 | 559,960022 | | |
| target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 | | | |
| target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc | 1 | | |
| target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc | | | |
| target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset | target_Pim_MotPosReset 2303132928 | | |
| tgt_GetSystemTime_mS_u32_CurrentTime | | | _ |
| Name | Actual Value | Expected Value | Resu |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 608.513794 | 608.513794 ± 0.2 | |
| | | | |
| | 76.64888 | 76.64888 ± 0.5 | |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 11.5653687 | 11.5653687 ± 0.04 | |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 11.5653687 62.654911 | 11.5653687 ± 0.04 62.654911 ± 0.0625 | , |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 11.5653687 62.654911 0 | 11.5653687 ± 0.04 62.654911 ± 0.0625 0 ± 2 | • |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 11.5653687 62.654911 0 51504 | 11.5653687 ± 0.04 62.654911 ± 0.0625 0 ± 2 51504 ± 2 | |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 11.5653687 62.654911 0 51504 2303132928 | 11.5653687 ± 0.04 62.654911 ± 0.0625 0 ± 2 51504 ± 2 2303132928 | • |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 11.5653687 62.654911 0 51504 2303132928 2303132928 | 11.5653687 ± 0.04 62.654911 ± 0.0625 0 ± 2 51504 ± 2 2303132928 2303132928 | |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 11.5653687 62.654911 0 51504 2303132928 2303132928 0.000403285027 | 11.5653687 ± 0.04 62.654911 ± 0.0625 0 ± 2 51504 ± 2 2303132928 2303132928 0.000403299142 ± 1.25663627181805E-06 | |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 11.5653687 62.654911 0 51504 2303132928 2303132928 0.000403285027 6.28232956e-005 | 11.5653687 ± 0.04 62.654911 ± 0.0625 0 ± 2 51504 ± 2 2303132928 2303132928 0.000403299142 ± 1.25663627181805E-06 6.28298803e-005 ± 1.25663627181805E-06 | • |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 11.5653687 62.654911 0 51504 2303132928 2303132928 0.000403285027 6.28232956e-005 448.286377 | 11.5653687 ± 0.04 62.654911 ± 0.0625 0 ± 2 51504 ± 2 2303132928 2303132928 0.000403299142 ± 1.25663627181805E-06 6.28298803e-005 ± 1.25663627181805E-06 448.286377 ± 0.2 | |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.WelPspd_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 11.5653687 62.654911 0 51504 2303132928 2303132928 0.000403285027 6.28232956e-005 448.286377 144.583755 | 11.5653687 ± 0.04 62.654911 ± 0.0625 0 ± 2 51504 ± 2 2303132928 2303132928 0.000403299142 ± 1.25663627181805E-06 6.28298803e-005 ± 1.25663627181805E-06 448.286377 ± 0.2 144.583755 ± 0.5 | |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.NelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 11.5653687 62.654911 0 51504 2303132928 2303132928 0.000403285027 6.28232956e-005 448.286377 144.583755 20 | 11.5653687 ± 0.04 62.654911 ± 0.0625 0 ± 2 51504 ± 2 2303132928 2303132928 0.000403299142 ± 1.25663627181805E-06 6.28298803e-005 ± 1.25663627181805E-06 448.286377 ± 0.2 144.583755 ± 0.5 20 ± 0.04 | |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.NelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 11.5653687 62.654911 0 51504 2303132928 2303132928 0.000403285027 6.28232956e-005 448.286377 144.583755 20 43.6620522 | 11.5653687 ± 0.04 62.654911 ± 0.0625 0 ± 2 51504 ± 2 2303132928 2303132928 0.000403299142 ± 1.25663627181805E-06 6.28298803e-005 ± 1.25663627181805E-06 448.286377 ± 0.2 144.583755 ± 0.5 20 ± 0.04 43.6620522 ± 0.0625 | |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.NelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 11.5653687 62.654911 0 51504 2303132928 2303132928 0.000403285027 6.28232956e-005 448.286377 144.583755 20 43.6620522 0 | 11.5653687 ± 0.04 62.654911 ± 0.0625 0 ± 2 51504 ± 2 2303132928 2303132928 0.000403299142 ± 1.25663627181805E-06 6.28298803e-005 ± 1.25663627181805E-06 448.286377 ± 0.2 144.583755 ± 0.5 20 ± 0.04 43.6620522 ± 0.0625 0 ± 2 | |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 11.5653687 62.654911 0 51504 2303132928 2303132928 0.000403285027 6.28232956e-005 448.286377 144.583755 20 43.6620522 0 41107 | 11.5653687 ± 0.04 62.654911 ± 0.0625 0 ± 2 51504 ± 2 2303132928 2303132928 0.000403299142 ± 1.25663627181805E-06 6.28298803e-005 ± 1.25663627181805E-06 448.286377 ± 0.2 144.583755 ± 0.5 20 ± 0.04 43.6620522 ± 0.0625 | |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 11.5653687 62.654911 0 51504 2303132928 2303132928 0.000403285027 6.28232956e-005 448.286377 144.583755 20 43.6620522 0 | 11.5653687 ± 0.04 62.654911 ± 0.0625 0 ± 2 51504 ± 2 2303132928 2303132928 0.000403299142 ± 1.25663627181805E-06 6.28298803e-005 ± 1.25663627181805E-06 448.286377 ± 0.2 144.583755 ± 0.5 20 ± 0.04 43.6620522 ± 0.0625 0 ± 2 | |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2_Thresh_mS_u16 | 11.5653687 62.654911 0 51504 2303132928 2303132928 0.000403285027 6.28232956e-005 448.286377 144.583755 20 43.6620522 0 41107 | 11.5653687 ± 0.04 62.654911 ± 0.0625 0 ± 2 51504 ± 2 2303132928 2303132928 0.000403299142 ± 1.25663627181805E-06 6.28298803e-005 ± 1.25663627181805E-06 448.286377 ± 0.2 144.583755 ± 0.5 20 ± 0.04 43.6620522 ± 0.0625 0 ± 2 41107 ± 2 | |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.NelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2_Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 11.5653687 62.654911 0 51504 2303132928 2303132928 0.000403285027 6.28232956e-005 448.286377 144.583755 20 43.6620522 0 41107 2303132928 | 11.5653687 ± 0.04 62.654911 ± 0.0625 0 ± 2 51504 ± 2 2303132928 2303132928 0.000403299142 ± 1.25663627181805E-06 6.28298803e-005 ± 1.25663627181805E-06 448.286377 ± 0.2 144.583755 ± 0.5 20 ± 0.04 43.6620522 ± 0.0625 0 ± 2 41107 ± 2 2303132928 | |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.WtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 11.5653687 62.654911 0 51504 2303132928 2303132928 0.000403285027 6.28232956e-005 448.286377 144.583755 20 43.6620522 0 41107 2303132928 2303132928 | 11.5653687 ± 0.04 62.654911 ± 0.0625 0 ± 2 51504 ± 2 2303132928 2303132928 0.000403299142 ± 1.25663627181805E-06 6.28298803e-005 ± 1.25663627181805E-06 448.286377 ± 0.2 144.583755 ± 0.5 20 ± 0.04 43.6620522 ± 0.0625 0 ± 2 41107 ± 2 2303132928 2303132928 | |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 11.5653687 62.654911 0 51504 2303132928 2303132928 0.000403285027 6.28232956e-005 448.286377 144.583755 20 43.6620522 0 41107 2303132928 2303132928 2.51531601e-005 | 11.5653687 ± 0.04 62.654911 ± 0.0625 0 ± 2 51504 ± 2 2303132928 2303132928 0.000403299142 ± 1.25663627181805E-06 6.28298803e-005 ± 1.25663627181805E-06 448.286377 ± 0.2 144.583755 ± 0.5 20 ± 0.04 43.6620522 ± 0.0625 0 ± 2 41107 ± 2 2303132928 2303132928 2.51324254e-005 ± 1.25663627181805E-06 | |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 11.5653687 62.654911 0 51504 2303132928 2303132928 0.000403285027 6.28232956e-005 448.286377 144.583755 20 43.6620522 0 41107 2303132928 2303132928 2.51531601e-005 0.000188469887 | 11.5653687 ± 0.04 62.654911 ± 0.0625 0 ± 2 51504 ± 2 2303132928 2303132928 0.000403299142 ± 1.25663627181805E-06 6.28298803e-005 ± 1.25663627181805E-06 448.286377 ± 0.2 144.583755 ± 0.5 20 ± 0.04 43.6620522 ± 0.0625 0 ± 2 41107 ± 2 2303132928 2303132928 2.51324254e-005 ± 1.25663627181805E-06 0.000188477788 ± 1.25663627181805E-06 | |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiitPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.FiitPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.FiitPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.FiitPinTrq_HwNm_f32 | 11.5653687 62.654911 0 51504 2303132928 2303132928 0.000403285027 6.28232956e-005 448.286377 144.583755 20 43.6620522 0 41107 2303132928 2303132928 2303132928 2.51531601e-005 0.000188469887 487.27597 | 11.5653687 ± 0.04 62.654911 ± 0.0625 0 ± 2 51504 ± 2 2303132928 2303132928 0.000403299142 ± 1.25663627181805E-06 6.28298803e-005 ± 1.25663627181805E-06 448.286377 ± 0.2 144.583755 ± 0.5 20 ± 0.04 43.6620522 ± 0.0625 0 ± 2 41107 ± 2 2303132928 2303132928 2.51324254e-005 ± 1.25663627181805E-06 0.000188477788 ± 1.25663627181805E-06 487.27597 ± 0.2 | |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.WirVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.WehSpd_kph_f32 | 11.5653687 62.654911 0 51504 2303132928 2303132928 0.000403285027 6.28232956e-005 448.286377 144.583755 20 43.6620522 0 41107 2303132928 2303132928 2303132928 2.51531601e-005 0.000188469887 487.27597 254.395218 | 11.5653687 ± 0.04 62.654911 ± 0.0625 0 ± 2 51504 ± 2 2303132928 2303132928 0.000403299142 ± 1.25663627181805E-06 6.28298803e-005 ± 1.25663627181805E-06 448.286377 ± 0.2 144.583755 ± 0.5 20 ± 0.04 43.6620522 ± 0.0625 0 ± 2 41107 ± 2 2303132928 2303132928 2.51324254e-005 ± 1.25663627181805E-06 0.000188477788 ± 1.25663627181805E-06 487.27597 ± 0.2 254.395218 ± 0.5 | |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.NelHypd_sf32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.NelPol_Mspd_f32 VehDyn_AutoCntrLoSpd_M_str.NelPol_Mspd_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 11.5653687 62.654911 0 51504 2303132928 2303132928 0.000403285027 6.28232956e-005 448.286377 144.583755 20 43.6620522 0 41107 2303132928 2303132928 2303132928 2.51531601e-005 0.000188469887 487.27597 254.395218 12.8190889 | 11.5653687 ± 0.04 62.654911 ± 0.0625 0 ± 2 51504 ± 2 2303132928 2303132928 0.000403299142 ± 1.25663627181805E-06 6.28298803e-005 ± 1.25663627181805E-06 448.286377 ± 0.2 144.583755 ± 0.5 20 ± 0.04 43.6620522 ± 0.0625 0 ± 2 41107 ± 2 2303132928 2303132928 2.51324254e-005 ± 1.25663627181805E-06 0.000188477788 ± 1.25663627181805E-06 487.27597 ± 0.2 254.395218 ± 0.5 12.8190889 ± 0.04 | |





| Name | Actual Value | Expected Value | Result |
|----------------------------------------------------------------|-----------------|----------------------------------------|--------|
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 2303132928 | 2303132928 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 2303132928 | 2303132928 | • |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000403285027 | 0.000403299142 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 6.28232956e-005 | 6.28298803e-005 ± 1.25663627181805E-06 | • |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 2.51531601e-005 | 2.51324254e-005 ± 1.25663627181805E-06 | • |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.238800004 | 0.238800004 | • |
| VehDyn_SLPHwPos_HwDeg_M_f32 | 559.960022 | 559.960022 | • |

| T | | | | |
|---------------------------------------------|-------|---------------------------------------------|-------|--------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | - |

| Test Step 2.48 (Repeat Count = 1) | | | 9 | | |
|------------------------------------------------------------------------|----------------------------------------|----------------------------------------|----------|--|--|
| | Input Value | | | | |
| Name CotSystemTime mS_v/22/CurrentTime) | Input Value | | | | |
| GetSystemTime_mS_u32(CurrentTime) | tgt_GetSystemTime_mS_u32_CurrentTime | CothITCA stine NITCA stine Dtg T les | | | |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc) | target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_ | Genin Cactive_NTCactive_Pti_1_igc | | | |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn_2 75.7771378 | | | | |
| k_AutoCntrHiSpdCntrWindow_HwDeg_f32 | | 0.0049999989 | | | |
| k_AutoCntrHiSpdFilt1Kn_Hz_f32 | | | | | |
| k_AutoCntrHiSpdFilt2Kn_Hz_f32 | 0.00499999989 | | | | |
| k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32 | 170.210068 9.64343548 | | | | |
| k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32 | | | | | |
| k_AutoCntrHiSpdTimer1VehSpd_kph_f32 | 112.884521 | | | | |
| k_AutoCntrHiSpdTimer1_mS_u16 | 60000 42218 | | | | |
| k_AutoCntrHiSpdTimer2_mS_u16 | | | | | |
| k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32 | 97.1869812 | | | | |
| k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32 | 601.888977 | | | | |
| k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32 | 20 | | | | |
| k_AutoCntrHiSpdTimer4VehSpd_kph_f32 | 166.376648 | | | | |
| k_AutoCntrHiSpdTimer4_mS_u16 | 57879 | | | | |
| k_AutoCntrLoSpdCntrWindow_HwDeg_f32 | 28.5844917 | | | | |
| k_AutoCntrLoSpdFilt1Kn_Hz_f32 | 0.0850000009 | | | | |
| k_AutoCntrLoSpdFilt2Kn_Hz_f32 | 0.00899999961 | | | | |
| k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32 | 686.9823 | | | | |
| k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32 | 7.86307621 | | | | |
| k_AutoCntrLoSpdTimer1VehSpd_kph_f32 | 33.3876343 | | | | |
| k_AutoCntrLoSpdTimer1_mS_u16 | 10412 | | | | |
| k_AutoCntrLoSpdTimer2_mS_u16 | 3277 | | | | |
| k_AutoCntrPinTrqLPFCoeffKn_Hz_f32 | 0.0049999989 | | | | |
| k_SLPEnableBFCheck_Cnt_lgc | 1 | | | | |
| k_SLPHwAuthority_Uls_f32 | 0.245399997 | | | | |
| target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 | 535.927002 | | | | |
| target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc | 0 | | | | |
| target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc | 1 | | | | |
| target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset | target_Pim_MotPosReset | | | | |
| tgt_GetSystemTime_mS_u32_CurrentTime | 4129141760 | 1 | | | |
| Name | Actual Value | Expected Value | Result | | |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 601.888977 | 601.888977 ± 0.2 | ~ | | |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 166.376648 | 166.376648 ± 0.5 | ~ | | |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 20 | 20 ± 0.04 | ~ | | |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 97.1869812 | 97.1869812 ± 0.0625 | ~ | | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 60000 | 60000 ± 2 | ~ | | |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 57879 | 57879 ± 2 | ✓ | | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 4129141760 | 4129141760 | ~ | | |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 4129141760 | 4129141760 | ~ | | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.00106757879 | 0.00106757123 ± 1.25663627181805E-06 | ~ | | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000113070011 | 0.000113090937 ± 1.25663627181805E-06 | • | | |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 170.210068 | 170.210068 ± 0.2 | ~ | | |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 112.884521 | 112.884521 ± 0.5 | • | | |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 9.64343548 | 9.64343548 ± 0.04 | ~ | | |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 75.7771378 | 75.7771378 ± 0.0625 | • | | |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 60000 | 60000 ± 2 | • | | |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 42218 | 42218 ± 2 | • | | |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 4129141760 | 4129141760 | • | | |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 4129141760 | 4129141760 | ~ | | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 6.28232956e-005 | 6.28298803e-005 ± 1.25663627181805E-06 | ~ | | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 6.28232956e-005 | 6.28298803e-005 ± 1.25663627181805E-06 | ~ | | |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 686.9823 | 686.9823 ± 0.2 | ~ | | |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 33.3876343 | 33.3876343 ± 0.5 | • | | |
| © Report created by TESSY V3.1.12, report template V2.1 | | | 59 | | |





| Name | Actual Value | Expected Value | Result |
|----------------------------------------------------------------|-----------------|----------------------------------------|----------|
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 7.86307621 | 7.86307621 ± 0.04 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 28.5844917 | 28.5844917 ± 0.0625 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 10412 | 10412 ± 2 | • |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 3277 | 3277 ± 2 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 4129141760 | 4129141760 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 4129141760 | 4129141760 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.00106757879 | 0.00106757123 ± 1.25663627181805E-06 | • |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000113070011 | 0.000113090937 ± 1.25663627181805E-06 | ~ |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 6.28232956e-005 | 6.28298803e-005 ± 1.25663627181805E-06 | S • |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0 | 0 | ✓ |
| VehDyn_SLPHwPos_HwDeg_M_f32 | 0 | 0 | ~ |

| T | | | | |
|---------------------------------------------|-------|---------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ✓ |

| Test Step 2.49 (Repeat Count = 1) Name | Input Value | |
|------------------------------------------------------------------------|------------------------------------------------------------------------|------|
| | | |
| GetSystemTime_mS_u32(CurrentTime) | tgt_GetSystemTime_mS_u32_CurrentTime | |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc) | target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc | |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn_2 | |
| k_AutoCntrHiSpdCntrWindow_HwDeg_f32 | 36.63274 | |
| k_AutoCntrHiSpdFilt1Kn_Hz_f32 | 0.0344000012 | |
| k_AutoCntrHiSpdFilt2Kn_Hz_f32 | 0.0250000004 | |
| k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32 | 292.78537 | |
| k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32 | 15.4148769 | |
| k_AutoCntrHiSpdTimer1VehSpd_kph_f32 | 70.7165985 | |
| k_AutoCntrHiSpdTimer1_mS_u16 | 1500 | |
| k_AutoCntrHiSpdTimer2_mS_u16 | 43329 | |
| k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32 | 14.9879189 | |
| <_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32 | 291.415405 | |
| <_AutoCntrHiSpdTimer4PinTrq_HwNm_f32 | 7.84722853 | |
| k_AutoCntrHiSpdTimer4VehSpd_kph_f32 | 41.1777191 | |
| x_AutoCntrHiSpdTimer4_mS_u16 | 44494 | |
| <_AutoCntrLoSpdCntrWindow_HwDeg_f32 | 67.4213715 | |
| <_AutoCntrLoSpdFilt1Kn_Hz_f32 | 0.00899999961 | |
| k_AutoCntrLoSpdFilt2Kn_Hz_f32 | 0.0250000004 | |
| <_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32 | 170.99588 | |
| <_AutoCntrLoSpdTimer1PinTrq_HwNm_f32 | 8.17953968 | |
| <_AutoCntrLoSpdTimer1VehSpd_kph_f32 | 7.39476013 | |
| <_AutoCntrLoSpdTimer1_mS_u16 | 16683 | |
| k_AutoCntrLoSpdTimer2_mS_u16 | 22497 | |
| k_AutoCntrPinTrqLPFCoeffKn_Hz_f32 | 0.0344000012 | |
| k SLPEnableBFCheck Cnt Igc | 0 | |
| k SLPHwAuthority Uls f32 | 0.252000004 | |
| target Pim MotPosReset.NVMStoredLastPos HwDeg f32 | 511.894012 | |
| arget Pim MotPosReset.NVMStoredLastPosValid Cnt Igc | 1 | |
| rarget_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc | 0 | |
| target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset | target_Pim_MotPosReset | |
| gt_GetSystemTime_mS_u32_CurrentTime | 2836768512 | |
| | | Poor |
| Name | Actual Value Expected Value | Resi |
| /ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 291.415405 ± 0.2 | |
| /ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 41.1777191 41.1777191 ± 0.5 | |
| /ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 7.84722853 7.84722853 ± 0.04 | |
| /ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 14.9879189 | |
| /ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 1500 1500 ± 2 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 44494 ± 2 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 2836768512 2836768512 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 2836768512 2836768512 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000113070011 0.000113090937 ± 1.25663627181805E-06 | |
| /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000314116478 | |
| /ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 292.78537 292.78537 ± 0.2 | |
| /ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 70.7165985 ± 0.5 | |
| /ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 15.4148769 15.4148769 ± 0.04 | |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 36.63274 ± 0.0625 | |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 1500 ± 2 | |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 43329 ± 2 | |
| Mah Dun. Auto Catal li Cad. M. ata Timond. arC. 122 | 2836768512 2836768512 | |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | | |





| Name | Actual Value | Expected Value | Result |
|----------------------------------------------------------------|----------------|---------------------------------------|--------|
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000432193279 | 0.000432189729 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000314116478 | 0.00031410993 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 170.99588 | 170.99588 ± 0.2 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 7.39476013 | 7.39476013 ± 0.5 | • |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 8.17953968 | 8.17953968 ± 0.04 | • |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 67.4213715 | 67.4213715 ± 0.0625 | • |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 16683 | 16683 ± 2 | • |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 22497 | 22497 ± 2 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 2836768512 | 2836768512 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 2836768512 | 2836768512 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000113070011 | 0.000113090937 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000314116478 | 0.00031410993 ± 1.25663627181805E-06 | • |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000432193279 | 0.000432189729 ± 1.25663627181805E-06 | • |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.252000004 | 0.252000004 | • |
| VehDyn_SLPHwPos_HwDeg_M_f32 | 511.894012 | 511.894012 | ~ |

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|---------------------------------------------|-------|---------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |

| Name | Input Value | |
|------------------------------------------------------------------------|------------------------------------------------------------------------|------|
| GetSystemTime mS u32(CurrentTime) | tgt GetSystemTime mS u32 CurrentTime | |
| Rte Call Ap VehDyn NxtrDiagMgr GetNTCActive(NTCActive Ptr T Igc) | target Rte Call Ap VehDyn NxtrDiagMgr GetNTCActive NTCActive Ptr T lgc | |
| Rte Inst Ap VehDyn | target Rte Inst Ap VehDyn 2 | |
| k_AutoCntrHiSpdCntrWindow_HwDeg_f32 | 77.1508331 | |
| k AutoCntrHiSpdFilt1Kn Hz f32 | 0.0458000004 | |
| k_AutoCntrHiSpdFilt2Kn_Hz_f32 | 0.063000001 | |
| k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32 | 263.707825 | |
| k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32 | 5.88711405 | |
| k_AutoCntrHiSpdTimer1VehSpd_kph_f32 | 81.0172424 | |
| k_AutoCntrHiSpdTimer1_mS_u16 | 38792 | |
| k_AutoCntrHiSpdTimer2_mS_u16 | 44440 | |
| k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32 | 90.0811462 | |
| k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32 | 417.567505 | |
| k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32 | 13.1425486 | |
| k_AutoCntrHiSpdTimer4VehSpd_kph_f32 | 224.821381 | |
| k AutoCntrHiSpdTimer4 mS u16 | 0 | |
| k AutoCntrLoSpdCntrWindow HwDeg f32 | 89.9028549 | |
| k_AutoCntrLoSpdFilt1Kn_Hz_f32 | 0.0049999989 | |
| k_AutoCntrLoSpdFilt2Kn_Hz_f32 | 0.063000001 | |
| k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32 | 374.245026 | |
| k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32 | 18.0723743 | |
| k_AutoCntrLoSpdTimer1VehSpd_kph_f32 | 88.4202576 | |
| k_AutoCntrLoSpdTimer1_mS_u16 | 5235 | |
| k_AutoCntrLoSpdTimer2_mS_u16 | 27074 | |
| k_AutoCntrPinTrqLPFCoeffKn_Hz_f32 | 0.0458000004 | |
| k_SLPEnableBFCheck_Cnt_lgc | 1 | |
| k_SLPHwAuthority_Uls_f32 | 0.258599997 | |
| target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 | 487.860992 | |
| target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc | 0 | |
| target Rte Call Ap VehDyn NxtrDiagMgr GetNTCActive NTCActive Ptr T lgc | 0 | |
| target Rte Inst Ap VehDyn 2.Pim MotPosReset | target Pim MotPosReset | |
| tgt GetSystemTime mS u32 CurrentTime | 2478427648 | |
| Name | Actual Value Expected Value | Resu |
| VehDyn AutoCntrDetSpd M str.MtrVel MtrRadpS f32 | 417.567505 417.567505 ± 0.2 | |
| VehDyn AutoCntrDetSpd M str.VehSpd kph f32 | 224.821381 224.821381 ± 0.5 | |
| VehDyn AutoCntrDetSpd M str.FiltPinTrg HwNm f32 | 13.1425486 13.1425486 ± 0.04 | |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 90.0811462 90.0825 | |
| VehDyn AutoCntrDetSpd M str.Timer1Thresh mS u16 | 38792 38792 ± 2 | |
| VehDyn AutoCntrDetSpd M str.Timer2Thresh mS u16 | 0 0 ± 2 | |
| VehDyn AutoCntrDetSpd M str.Timer1 mS u32 | 2478427648 2478427648 | |
| VehDyn AutoCntrDetSpd M str.Timer2 mS u32 | 2478427648 2478427648 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E- | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000791370869 | |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 263.707825 263.707825 ± 0.2 | |
| VehDyn AutoCntrHiSpd M str.VehSpd kph f32 | 81.0172424 81.0172424 ± 0.5 | |
| VehDyn AutoCntrHiSpd M str.FiltPinTrg HwNm f32 | 5.88711405 5.88711405 ± 0.04 | |
| VehDyn AutoCntrHiSpd M str.CntrWindow HwDeg f32 | 77.1508331 77.1508331 ± 0.0625 | |





| Name | Actual Value | Expected Value | Result |
|----------------------------------------------------------------|-----------------|----------------------------------------|--------|
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 38792 | 38792 ± 2 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 44440 | 44440 ± 2 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 2478427648 | 2478427648 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 2478427648 | 2478427648 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000575363636 | 0.000575374172 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000791370869 | 0.000791368075 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 374.245026 | 374.245026 ± 0.2 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 88.4202576 | 88.4202576 ± 0.5 | • |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 18.0723743 | 18.0723743 ± 0.04 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 89.9028549 | 89.9028549 ± 0.0625 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 5235 | 5235 ± 2 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 27074 | 27074 ± 2 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 2478427648 | 2478427648 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 2478427648 | 2478427648 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 6.28232956e-005 | 6.28298803e-005 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000791370869 | 0.000791368075 ± 1.25663627181805E-06 | ~ |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000575363636 | 0.000575374172 ± 1.25663627181805E-06 | ~ |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0 | 0 | ~ |
| VehDyn_SLPHwPos_HwDeg_M_f32 | 0 | 0 | ~ |

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|---------------------------------------------|-------|---------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ✓ |

| Name | Input Value | |
|------------------------------------------------------------------------|------------------------------------------------------------------------|-------|
| GetSystemTime_mS_u32(CurrentTime) | tgt_GetSystemTime_mS_u32_CurrentTime | |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc) | target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc | |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn_2 | |
| k_AutoCntrHiSpdCntrWindow_HwDeg_f32 | 3.27935433 | |
| k_AutoCntrHiSpdFilt1Kn_Hz_f32 | 0.0049999989 | |
| k_AutoCntrHiSpdFilt2Kn_Hz_f32 | 0.00200000009 | |
| k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32 | 517.932861 | |
| k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32 | 4.54822206 | |
| k_AutoCntrHiSpdTimer1VehSpd_kph_f32 | 190.724686 | |
| k_AutoCntrHiSpdTimer1_mS_u16 | 28556 | |
| k_AutoCntrHiSpdTimer2_mS_u16 | 45551 | |
| k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32 | 95.2508621 | |
| k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32 | 132.854568 | |
| k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32 | 2.87444711 | |
| k_AutoCntrHiSpdTimer4VehSpd_kph_f32 | 41.7497711 | |
| k_AutoCntrHiSpdTimer4_mS_u16 | 60000 | |
| k_AutoCntrLoSpdCntrWindow_HwDeg_f32 | 28.4195251 | |
| k_AutoCntrLoSpdFilt1Kn_Hz_f32 | 0.00899999961 | |
| k_AutoCntrLoSpdFilt2Kn_Hz_f32 | 0.00200000009 | |
| k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32 | 74.5651398 | |
| k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32 | 12.3046961 | |
| k_AutoCntrLoSpdTimer1VehSpd_kph_f32 | 140.20314 | |
| k_AutoCntrLoSpdTimer1_mS_u16 | 58736 | |
| k_AutoCntrLoSpdTimer2_mS_u16 | 17880 | |
| k_AutoCntrPinTrqLPFCoeffKn_Hz_f32 | 0.00499999989 | |
| k_SLPEnableBFCheck_Cnt_lgc | 0 | |
| k_SLPHwAuthority_Uls_f32 | 0.265199989 | |
| target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 | 463.828003 | |
| target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc | 1 | |
| target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc | 1 | |
| target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset | target_Pim_MotPosReset | |
| tgt_GetSystemTime_mS_u32_CurrentTime | 4180236544 | |
| Name | Actual Value Expected Value | Resul |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 132.854568 ± 0.2 | • |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 41.7497711 ± 0.5 | • |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 2.87444711 2.87444711 ± 0.04 | |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 95.2508621 95.2508621 ± 0.0625 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 28556 ± 2 | ٠, |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 60000 ± 2 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 4180236544 4180236544 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 4180236544 4180236544 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000113070011 0.000113090937 ± 1.25663627181805E-06 | • |
| VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32 | 2.51531601e-005 2.51324254e-005 ± 1.25663627181805E-06 | 3 |





| Name | Actual Value | Expected Value | Result |
|----------------------------------------------------------------|-----------------|----------------------------------------|--------|
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 517.932861 | 517.932861 ± 0.2 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 190.724686 | 190.724686 ± 0.5 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 4.54822206 | 4.54822206 ± 0.04 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 3.27935433 | 3.27935433 ± 0.0625 | • |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 28556 | 28556 ± 2 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 45551 | 45551 ± 2 | • |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 4180236544 | 4180236544 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 4180236544 | 4180236544 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 6.28232956e-005 | 6.28298803e-005 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 2.51531601e-005 | 2.51324254e-005 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 74.5651398 | 74.5651398 ± 0.2 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 140.20314 | 140.20314 ± 0.5 | • |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 12.3046961 | 12.3046961 ± 0.04 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 28.4195251 | 28.4195251 ± 0.0625 | • |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 58736 | 58736 ± 2 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 17880 | 17880 ± 2 | • |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 4180236544 | 4180236544 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 4180236544 | 4180236544 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000113070011 | 0.000113090937 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 2.51531601e-005 | 2.51324254e-005 ± 1.25663627181805E-06 | ~ |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 6.28232956e-005 | 6.28298803e-005 ± 1.25663627181805E-06 | ~ |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.265199989 | 0.265199989 | ~ |
| VehDyn_SLPHwPos_HwDeg_M_f32 | 463.828003 | 463.828003 | ~ |

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|---------------------------------------------|-------|---------------------------------------------|-------|----------|--|
| Actual Function | Count | Expected Function | Count | Result | |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | ~ | |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ✓ | |

| Name | Input Value | | | |
|------------------------------------------------------------------------------------|------------------------------------------------------------------------|---------------------|----------|--|
| GetSystemTime mS u32(CurrentTime) | tgt GetSystemTime mS u32 CurrentTime | | | |
| Rte Call Ap VehDyn NxtrDiagMgr GetNTCActive(NTCActive Ptr T lgc) | target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc | | | |
| Rte Inst Ap VehDyn | target Rte Inst Ap VehDyn 2 | | | |
| k AutoCntrHiSpdCntrWindow HwDeg f32 | 25.0328922 | | | |
| k_AutoCntrHiSpdFilt1Kn_Hz_f32 | 0.00899999961 | | | |
| k_AutoCntrHiSpdFilt2Kn_Hz_f32 | 0.00499999989 | | | |
| k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32 | 612.468079 | | | |
| k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32 | 13.018939 | | | |
| k_AutoCntrHiSpdTimer1VehSpd_kph_f32 | 63.774231 | | | |
| k_AutoCntrHiSpdTimer1_mS_u16 | 16090 | | | |
| k_AutoCntrHiSpdTimer2_mS_u16 | 46662 | | | |
| k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32 | 38.5810089 | | | |
| k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32 | 661.950806 | | | |
| k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32 | 15.5126753 | | | |
| k_AutoCntrHiSpdTimer4VehSpd_kph_f32 | 111.386475 | | | |
| k_AutoCntrHiSpdTimer4_mS_u16 | 2000 | | | |
| k_AutoCntrLoSpdCntrWindow_HwDeg_f32 | 37.1736603 | | | |
| k_AutoCntrLoSpdFilt1Kn_Hz_f32 | 0.0250000004 | | | |
| k_AutoCntrLoSpdFilt2Kn_Hz_f32 | 0.00499999989 | | | |
| k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32 | 700 | | | |
| k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32 | 19.562748 | | | |
| k_AutoCntrLoSpdTimer1VehSpd_kph_f32 | 236.276367 | | | |
| k_AutoCntrLoSpdTimer1_mS_u16 | 17015 | | | |
| k_AutoCntrLoSpdTimer2_mS_u16 | 58102 | | | |
| k_AutoCntrPinTrqLPFCoeffKn_Hz_f32 | 0.00899999961 | | | |
| k_SLPEnableBFCheck_Cnt_lgc | 1 | | | |
| k_SLPHwAuthority_Uls_f32 | 0.271800011 | | | |
| target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 | 439.795013 | | | |
| target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc | 0 | | | |
| $target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc$ | 0 | | | |
| target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset | target_Pim_MotPosReset | | | |
| tgt_GetSystemTime_mS_u32_CurrentTime | 3368466432 | | | |
| Name | Actual Value | Expected Value | Result | |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 661.950806 | 661.950806 ± 0.2 | • | |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 111.386475 | 111.386475 ± 0.5 | • | |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 15.5126753 | 15.5126753 ± 0.04 | • | |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 38.5810089 | 38.5810089 ± 0.0625 | • | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 16090 | 16090 ± 2 | • | |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 2000 | 2000 ± 2 | ✓ | |

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| Name | Actual Value | Expected Value | Result |
|-----------------------------------------------------------------|-----------------|----------------------------------------|----------|
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 3368466432 | 3368466432 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 3368466432 | 3368466432 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000314116478 | 0.00031410993 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 6.28232956e-005 | 6.28298803e-005 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 612.468079 | 612.468079 ± 0.2 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 63.774231 | 63.774231 ± 0.5 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 13.018939 | 13.018939 ± 0.04 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 25.0328922 | 25.0328922 ± 0.0625 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 16090 | 16090 ± 2 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 46662 | 46662 ± 2 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 3368466432 | 3368466432 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 3368466432 | 3368466432 | • |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000113070011 | 0.000113090937 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 6.28232956e-005 | 6.28298803e-005 ± 1.25663627181805E-06 | • |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 700 | 700 ± 0.2 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 236.276367 | 236.276367 ± 0.5 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 19.562748 | 19.562748 ± 0.04 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 37.1736603 | 37.1736603 ± 0.0625 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 17015 | 17015 ± 2 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 58102 | 58102 ± 2 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 3368466432 | 3368466432 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 3368466432 | 3368466432 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000314116478 | 0.00031410993 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 6.28232956e-005 | 6.28298803e-005 ± 1.25663627181805E-06 | ✓ |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000113070011 | 0.000113090937 ± 1.25663627181805E-06 | ~ |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0 | 0 | ~ |
| VehDyn_SLPHwPos_HwDeg_M_f32 | 0 | 0 | ~ |

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|---------------------------------------------|-------|---------------------------------------------|-------|--------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | • |

| Test Step 2.53 (Repeat Count = 1) | | | |
|------------------------------------------------------------------------|-------------------------------|----------------------------------------|-------|
| Name | Input Value | | |
| GetSystemTime_mS_u32(CurrentTime) | tgt_GetSystemTime_mS_u32_Curr | | |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc) | | DiagMgr_GetNTCActive_NTCActive_Ptr_T_I | lgc |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn_2 | | |
| k_AutoCntrHiSpdCntrWindow_HwDeg_f32 | 22.7924805 | | |
| k_AutoCntrHiSpdFilt1Kn_Hz_f32 | 0.0250000004 | | |
| k_AutoCntrHiSpdFilt2Kn_Hz_f32 | 0.0344000012 | | |
| k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32 | 0 | | |
| k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32 | 20 | | |
| k_AutoCntrHiSpdTimer1VehSpd_kph_f32 | 14.1099701 | | |
| k_AutoCntrHiSpdTimer1_mS_u16 | 14255 | | |
| k_AutoCntrHiSpdTimer2_mS_u16 | 47773 | | |
| k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32 | 98.5101929 | | |
| k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32 | 181.227158 | | |
| k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32 | 15.03372 | | |
| k_AutoCntrHiSpdTimer4VehSpd_kph_f32 | 237.210739 | | |
| k_AutoCntrHiSpdTimer4_mS_u16 | 1971 | | |
| k_AutoCntrLoSpdCntrWindow_HwDeg_f32 | 1.43633437 | | |
| k_AutoCntrLoSpdFilt1Kn_Hz_f32 | 0.063000001 | | |
| k_AutoCntrLoSpdFilt2Kn_Hz_f32 | 0.00520000001 | | |
| k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32 | 473.999298 | | |
| k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32 | 10.8610411 | | |
| k_AutoCntrLoSpdTimer1VehSpd_kph_f32 | 137.791061 | | |
| k_AutoCntrLoSpdTimer1_mS_u16 | 37086 | | |
| k_AutoCntrLoSpdTimer2_mS_u16 | 772 | | |
| k_AutoCntrPinTrqLPFCoeffKn_Hz_f32 | 0.0250000004 | | |
| k_SLPEnableBFCheck_Cnt_lgc | 0 | | |
| k_SLPHwAuthority_Uls_f32 | 0.278400004 | | |
| target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 | 415.761993 | | |
| target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc | 1 | | |
| target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc | 1 | | |
| target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset | target_Pim_MotPosReset | | |
| tgt_GetSystemTime_mS_u32_CurrentTime | 170564352 | | |
| Name | Actual Value | Expected Value | Resul |
| VehDyn AutoCntrDetSpd M str.MtrVel MtrRadpS f32 | 181.227158 | 181.227158 ± 0.2 | |
| VehDyn AutoCntrDetSpd M str.VehSpd kph f32 | 237.210739 | 237.210739 ± 0.5 | |





| Name | Actual Value | Expected Value | Result |
|-----------------------------------------------------------------|-----------------|----------------------------------------|----------|
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 15.03372 | 15.03372 ± 0.04 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 98.5101929 | 98.5101929 ± 0.0625 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 14255 | 14255 ± 2 | • |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 1971 | 1971 ± 2 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 170564352 | 170564352 | - |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 170564352 | 170564352 | • |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000791370869 | 0.000791368075 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 6.53266907e-005 | 6.53429888e-005 ± 1.25663627181805E-06 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 0 | 0 ± 0.2 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 14.1099701 | 14.1099701 ± 0.5 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 20 | 20 ± 0.04 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 22.7924805 | 22.7924805 ± 0.0625 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 14255 | 14255 ± 2 | - |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 47773 | 47773 ± 2 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 170564352 | 170564352 | - |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 170564352 | 170564352 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000314116478 | 0.00031410993 ± 1.25663627181805E-06 | - |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000432193279 | 0.000432189729 ± 1.25663627181805E-06 | • |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 473.999298 | 473.999298 ± 0.2 | - |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 137.791061 | 137.791061 ± 0.5 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 10.8610411 | 10.8610411 ± 0.04 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 1.43633437 | 1.43633437 ± 0.0625 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 37086 | 37086 ± 2 | - |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 772 | 772 ± 2 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 170564352 | 170564352 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 170564352 | 170564352 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000791370869 | 0.000791368075 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 6.53266907e-005 | 6.53429888e-005 ± 1.25663627181805E-06 | ~ |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000314116478 | 0.00031410993 ± 1.25663627181805E-06 | - |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.278400004 | 0.278400004 | - |
| VehDyn_SLPHwPos_HwDeg_M_f32 | 415.761993 | 415.761993 | ~ |

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|---------------------------------------------|-------|---------------------------------------------|-------|--------|--|
| Actual Function | Count | Expected Function | Count | Result | |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | ~ | |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ | |

| Test Step 2.54 (Repeat Count = 1) | · · |
|------------------------------------------------------------------------------------|------------------------------------------------------------------------|
| Name | Input Value |
| GetSystemTime_mS_u32(CurrentTime) | tgt_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc) | target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn_2 |
| k_AutoCntrHiSpdCntrWindow_HwDeg_f32 | 36.1406059 |
| k_AutoCntrHiSpdFilt1Kn_Hz_f32 | 0.063000001 |
| k_AutoCntrHiSpdFilt2Kn_Hz_f32 | 0.0458000004 |
| k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32 | 700 |
| k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32 | 15.1538467 |
| k_AutoCntrHiSpdTimer1VehSpd_kph_f32 | 158.649628 |
| k_AutoCntrHiSpdTimer1_mS_u16 | 43706 |
| k_AutoCntrHiSpdTimer2_mS_u16 | 48884 |
| k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32 | 40.6512985 |
| k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32 | 12.3902884 |
| k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32 | 18.3508968 |
| k_AutoCntrHiSpdTimer4VehSpd_kph_f32 | 119.534821 |
| k_AutoCntrHiSpdTimer4_mS_u16 | 5814 |
| k_AutoCntrLoSpdCntrWindow_HwDeg_f32 | 29.760561 |
| k_AutoCntrLoSpdFilt1Kn_Hz_f32 | 0.061999999 |
| k_AutoCntrLoSpdFilt2Kn_Hz_f32 | 0.0350000001 |
| k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32 | 11.0084457 |
| k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32 | 6.93631697 |
| k_AutoCntrLoSpdTimer1VehSpd_kph_f32 | 104.043854 |
| k_AutoCntrLoSpdTimer1_mS_u16 | 18398 |
| k_AutoCntrLoSpdTimer2_mS_u16 | 39001 |
| k_AutoCntrPinTrqLPFCoeffKn_Hz_f32 | 0.063000001 |
| k_SLPEnableBFCheck_Cnt_lgc | 1 |
| k_SLPHwAuthority_Uls_f32 | 0.284999996 |
| target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 | 391.729004 |
| target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc | 0 |
| $target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc$ | 0 |
| target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset | target_Pim_MotPosReset |





| Name | Input Value | | | |
|-----------------------------------------------------------------|----------------|---------------------------------------|--------|--|
| tgt_GetSystemTime_mS_u32_CurrentTime | 625668608 | | | |
| Name | Actual Value | Expected Value | Result | |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 12.3902884 | 12.3902884 ± 0.2 | - | |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 119.534821 | 119.534821 ± 0.5 | - | |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 18.3508968 | 18.3508968 ± 0.04 | - | |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 40.6512985 | 40.6512985 ± 0.0625 | - | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 43706 | 43706 ± 2 | - | |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 5814 | 5814 ± 2 | - | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 625668608 | 625668608 | • | |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 625668608 | 625668608 | - | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000778794289 | 0.000778811518 ± 1.25663627181805E-06 | · | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000439703465 | 0.000439726253 ± 1.25663627181805E-06 | - | |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 700 | 700 ± 0.2 | - | |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 158.649628 | 158.649628 ± 0.5 | • | |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 15.1538467 | 15.1538467 ± 0.04 | • | |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 36.1406059 | 36.1406059 ± 0.0625 | • | |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 43706 | 43706 ± 2 | • | |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 48884 | 48884 ± 2 | • | |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 625668608 | 625668608 | • | |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 625668608 | 625668608 | • | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000791370869 | 0.000791368075 ± 1.25663627181805E-06 | • | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000575363636 | 0.000575374172 ± 1.25663627181805E-06 | | |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 11.0084457 | 11.0084457 ± 0.2 | • | |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 104.043854 | 104.043854 ± 0.5 | • | |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 6.93631697 | 6.93631697 ± 0.04 | • | |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 29.760561 | 29.760561 ± 0.0625 | • | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 18398 | 18398 ± 2 | • | |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 39001 | 39001 ± 2 | • | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 625668608 | 625668608 | • | |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 625668608 | 625668608 | - | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000778794289 | 0.000778811518 ± 1.25663627181805E-06 | - | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000439703465 | 0.000439726253 ± 1.25663627181805E-06 | • | |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000791370869 | 0.000791368075 ± 1.25663627181805E-06 | • | |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0 | 0 | - | |
| VehDyn SLPHwPos HwDeg M f32 | 0 | 0 | • | |

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|---------------------------------------------|-------|---------------------------------------------|-------|--------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | - |

| Test Step 2.55 (Repeat Count = 1) | ✓ |
|------------------------------------------------------------------|------------------------------------------------------------------------|
| Name | Input Value |
| GetSystemTime_mS_u32(CurrentTime) | tgt_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc) | target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn_2 |
| k_AutoCntrHiSpdCntrWindow_HwDeg_f32 | 96.1530533 |
| k_AutoCntrHiSpdFilt1Kn_Hz_f32 | 0.00200000009 |
| k_AutoCntrHiSpdFilt2Kn_Hz_f32 | 0.00499999989 |
| k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32 | 328.049988 |
| k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32 | 16.2922134 |
| k_AutoCntrHiSpdTimer1VehSpd_kph_f32 | 42.3900299 |
| k_AutoCntrHiSpdTimer1_mS_u16 | 44765 |
| k_AutoCntrHiSpdTimer2_mS_u16 | 49995 |
| k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32 | 69.3795242 |
| k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32 | 225.86203 |
| k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32 | 17.1959343 |
| k_AutoCntrHiSpdTimer4VehSpd_kph_f32 | 253.171951 |
| k_AutoCntrHiSpdTimer4_mS_u16 | 45170 |
| k_AutoCntrLoSpdCntrWindow_HwDeg_f32 | 99.388649 |
| k_AutoCntrLoSpdFilt1Kn_Hz_f32 | 0.00499999989 |
| k_AutoCntrLoSpdFilt2Kn_Hz_f32 | 0.0560000017 |
| k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32 | 403.203857 |
| k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32 | 18.2375278 |
| k_AutoCntrLoSpdTimer1VehSpd_kph_f32 | 216.894852 |
| k_AutoCntrLoSpdTimer1_mS_u16 | 51139 |
| k_AutoCntrLoSpdTimer2_mS_u16 | 36841 |
| k_AutoCntrPinTrqLPFCoeffKn_Hz_f32 | 0.00200000009 |
| k_SLPEnableBFCheck_Cnt_lgc | 0 |
| k_SLPHwAuthority_Uls_f32 | 0.291599989 |

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| Name | Input Value | | |
|------------------------------------------------------------------------|------------------------|----------------------------------------|--------|
| target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 | 367.696014 | | |
| target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc | 1 | | |
| target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc | 1 | | |
| target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset | target_Pim_MotPosReset | | |
| tgt_GetSystemTime_mS_u32_CurrentTime | 1711664384 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 225.86203 | 225.86203 ± 0.2 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 253.171951 | 253.171951 ± 0.5 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 17.1959343 | 17.1959343 ± 0.04 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 69.3795242 | 69.3795242 ± 0.0625 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 44765 | 44765 ± 2 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 45170 | 45170 ± 2 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 1711664384 | 1711664384 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 1711664384 | 1711664384 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 6.28232956e-005 | 6.28298803e-005 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000703454018 | 0.00070346921 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 328.049988 | 328.049988 ± 0.2 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 42.3900299 | 42.3900299 ± 0.5 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 16.2922134 | 16.2922134 ± 0.04 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 96.1530533 | 96.1530533 ± 0.0625 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 44765 | 44765 ± 2 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 49995 | 49995 ± 2 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 1711664384 | 1711664384 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 1711664384 | 1711664384 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 2.51531601e-005 | 2.51324254e-005 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 6.28232956e-005 | 6.28298803e-005 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 403.203857 | 403.203857 ± 0.2 | • |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 216.894852 | 216.894852 ± 0.5 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 18.2375278 | 18.2375278 ± 0.04 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 99.388649 | 99.388649 ± 0.0625 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 51139 | 51139 ± 2 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 36841 | 36841 ± 2 | • |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 1711664384 | 1711664384 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 1711664384 | 1711664384 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 6.28232956e-005 | 6.28298803e-005 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000703454018 | 0.00070346921 ± 1.25663627181805E-06 | ~ |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 2.51531601e-005 | 2.51324254e-005 ± 1.25663627181805E-06 | ~ |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.291599989 | 0.291599989 | ~ |
| VehDyn_SLPHwPos_HwDeg_M_f32 | 367.696014 | 367.696014 | ~ |

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|---------------------------------------------|-------|---------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | ~ |
| GetSystemTime mS u32 | 1 | GetSystemTime mS u32 | 1 | ✓ |

| Test Step 2.56 (Repeat Count = 1) | ✓ |
|------------------------------------------------------------------|------------------------------------------------------------------------|
| Name | Input Value |
| GetSystemTime_mS_u32(CurrentTime) | tgt_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc) | target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn_2 |
| k_AutoCntrHiSpdCntrWindow_HwDeg_f32 | 24.5077915 |
| k_AutoCntrHiSpdFilt1Kn_Hz_f32 | 0.0250000004 |
| k_AutoCntrHiSpdFilt2Kn_Hz_f32 | 0.00989999995 |
| k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32 | 20 |
| k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32 | 8.68037319 |
| k_AutoCntrHiSpdTimer1VehSpd_kph_f32 | 168.185226 |
| k_AutoCntrHiSpdTimer1_mS_u16 | 30272 |
| k_AutoCntrHiSpdTimer2_mS_u16 | 2904 |
| k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32 | 51.7886963 |
| k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32 | 272.816681 |
| k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32 | 13.0401011 |
| k_AutoCntrHiSpdTimer4VehSpd_kph_f32 | 209.062363 |
| k_AutoCntrHiSpdTimer4_mS_u16 | 3628 |
| k_AutoCntrLoSpdCntrWindow_HwDeg_f32 | 59.735672 |
| k_AutoCntrLoSpdFilt1Kn_Hz_f32 | 0.063000001 |
| k_AutoCntrLoSpdFilt2Kn_Hz_f32 | 0.0049999989 |
| k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32 | 499.624054 |
| k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32 | 6.55805016 |
| k_AutoCntrLoSpdTimer1VehSpd_kph_f32 | 125.396591 |
| k_AutoCntrLoSpdTimer1_mS_u16 | 36412 |

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| Name | Input Value | | |
|------------------------------------------------------------------------|------------------------|----------------------------------------|----------|
| k_AutoCntrLoSpdTimer2_mS_u16 | 14998 | | |
| k_AutoCntrPinTrqLPFCoeffKn_Hz_f32 | 0.0250000004 | | |
| k_SLPEnableBFCheck_Cnt_lgc | 0 | | |
| k_SLPHwAuthority_Uls_f32 | 0.30000012 | | |
| target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 | -689.755981 | | |
| target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc | 1 | | |
| target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc | 1 | | |
| target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset | target_Pim_MotPosReset | | |
| tgt_GetSystemTime_mS_u32_CurrentTime | 3941357312 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 272.816681 | 272.816681 ± 0.2 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 209.062363 | 209.062363 ± 0.5 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 13.0401011 | 13.0401011 ± 0.04 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 51.7886963 | 51.7886963 ± 0.0625 | ✓ |
| VehDyn AutoCntrDetSpd M str.Timer1Thresh mS u16 | 30272 | 30272 ± 2 | ~ |
| VehDyn AutoCntrDetSpd M str.Timer2Thresh mS u16 | 3628 | 3628 ± 2 | ~ |
| VehDyn AutoCntrDetSpd M str.Timer1 mS u32 | 3941357312 | 3941357312 | ~ |
| VehDyn AutoCntrDetSpd M str.Timer2 mS u32 | 3941357312 | 3941357312 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000791370869 | 0.000791368075 ± 1.25663627181805E-06 | - |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 6.28232956e-005 | 6.28298803e-005 ± 1.25663627181805E-06 | • |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 20 | 20 ± 0.2 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 168.185226 | 168.185226 ± 0.5 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 8.68037319 | 8.68037319 ± 0.04 | - |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 24.5077915 | 24.5077915 ± 0.0625 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 30272 | 30272 ± 2 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 2904 | 2904 ± 2 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 3941357312 | 3941357312 | - |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 3941357312 | 3941357312 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000314116478 | 0.00031410993 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000124394894 | 0.000124399332 ± 1.25663627181805E-06 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 499.624054 | 499.624054 ± 0.2 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 125.396591 | 125.396591 ± 0.5 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 6.55805016 | 6.55805016 ± 0.04 | • |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 59.735672 | 59.735672 ± 0.0625 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 36412 | 36412 ± 2 | • |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 14998 | 14998 ± 2 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 3941357312 | 3941357312 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 3941357312 | 3941357312 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000791370869 | 0.000791368075 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 6.28232956e-005 | 6.28298803e-005 ± 1.25663627181805E-06 | • |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000314116478 | 0.00031410993 ± 1.25663627181805E-06 | ~ |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.300000012 | 0.300000012 | ~ |
| VehDyn_SLPHwPos_HwDeg_M_f32 | -689.755981 | -689.755981 | - |

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|---------------------------------------------|-------|---------------------------------------------|-------|--------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | ~ |
| GetSystemTime mS u32 | 1 | GetSystemTime mS u32 | 1 | |

| Test Step 2.57 (Repeat Count = 1) | ✓ |
|------------------------------------------------------------------|------------------------------------------------------------------------|
| Name | Input Value |
| GetSystemTime_mS_u32(CurrentTime) | tgt_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc) | target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn_2 |
| k_AutoCntrHiSpdCntrWindow_HwDeg_f32 | 64.1327362 |
| k_AutoCntrHiSpdFilt1Kn_Hz_f32 | 0.00499999989 |
| k_AutoCntrHiSpdFilt2Kn_Hz_f32 | 0.00899999961 |
| k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32 | 320.858643 |
| k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32 | 11.4043941 |
| k_AutoCntrHiSpdTimer1VehSpd_kph_f32 | 0 |
| k_AutoCntrHiSpdTimer1_mS_u16 | 9606 |
| k_AutoCntrHiSpdTimer2_mS_u16 | 51106 |
| k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32 | 57.9277077 |
| k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32 | 420.750946 |
| k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32 | 13.9586134 |
| k_AutoCntrHiSpdTimer4VehSpd_kph_f32 | 110.432434 |
| k_AutoCntrHiSpdTimer4_mS_u16 | 40701 |
| k_AutoCntrLoSpdCntrWindow_HwDeg_f32 | 76.8895721 |
| k_AutoCntrLoSpdFilt1Kn_Hz_f32 | 0.00899999961 |
| k_AutoCntrLoSpdFilt2Kn_Hz_f32 | 0.0670000017 |

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VehDyn_Init1

| Name | Input Value | | |
|-----------------------------------------------------------------------------------|------------------------|----------------------------------------|----------|
| k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32 | 70.1366196 | | |
| k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32 | 5.44028044 | | |
| k_AutoCntrLoSpdTimer1VehSpd_kph_f32 | 211.513733 | | |
| k_AutoCntrLoSpdTimer1_mS_u16 | 19138 | | |
| k_AutoCntrLoSpdTimer2_mS_u16 | 31995 | | |
| k_AutoCntrPinTrqLPFCoeffKn_Hz_f32 | 0.00499999989 | | |
| k_SLPEnableBFCheck_Cnt_lgc | 1 | | |
| k_SLPHwAuthority_Uls_f32 | 0.298200011 | | |
| target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 | 343.662994 | | |
| target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc | 0 | | |
| target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc | 0 | | |
| target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset | target_Pim_MotPosReset | | |
| tgt_GetSystemTime_mS_u32_CurrentTime | 1568734208 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 420.750946 | 420.750946 ± 0.2 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 110.432434 | 110.432434 ± 0.5 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 13.9586134 | 13.9586134 ± 0.04 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 57.9277077 | 57.9277039 ± 0.0625 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 9606 | 9606 ± 2 | ~ |
| VehDyn AutoCntrDetSpd M str.Timer2Thresh mS u16 | 40701 | 40701 ± 2 | ✓ |
| VehDyn AutoCntrDetSpd M str.Timer1 mS u32 | 1568734208 | 1568734208 | ~ |
| VehDyn AutoCntrDetSpd M str.Timer2 mS u32 | 1568734208 | 1568734208 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000113070011 | 0.000113090937 ± 1.25663627181805E-06 | ~ |
| VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32 | 0.000841617584 | 0.000841592497 ± 1.25663627181805E-06 | ~ |
| VehDyn AutoCntrHiSpd M str.MtrVel MtrRadpS f32 | 320.858643 | 320.858643 ± 0.2 | ~ |
| VehDyn AutoCntrHiSpd M str.VehSpd kph f32 | 0 | 0 ± 0.5 | ~ |
| VehDyn AutoCntrHiSpd M str.FiltPinTrg HwNm f32 | 11.4043941 | 11.4043941 ± 0.04 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 64.1327362 | 64.1327362 ± 0.0625 | ~ |
| VehDyn AutoCntrHiSpd M str.Timer1Thresh mS u16 | 9606 | 9606 ± 2 | ~ |
| VehDyn AutoCntrHiSpd M str.Timer2Thresh mS u16 | 51106 | 51106 ± 2 | ~ |
| VehDyn AutoCntrHiSpd M str.Timer1 mS u32 | 1568734208 | 1568734208 | _ |
| VehDyn AutoCntrHiSpd M str.Timer2 mS u32 | 1568734208 | 1568734208 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 6.28232956e-005 | 6.28298803e-005 ± 1.25663627181805E-06 | _ |
| VehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32 | 0.000113070011 | 0.000113090937 ± 1.25663627181805E-06 | ~ |
| VehDyn AutoCntrLoSpd M str.MtrVel MtrRadpS f32 | 70.1366196 | 70.1366196 ± 0.2 | _ |
| VehDyn AutoCntrLoSpd M str.VehSpd kph f32 | 211.513733 | 211.513733 ± 0.5 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 5.44028044 | 5.44028044 ± 0.04 | _ |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 76.8895721 | 76.8895721 ± 0.0625 | ~ |
| VehDyn AutoCntrLoSpd M str.Timer1Thresh mS u16 | 19138 | 19138 ± 2 | |
| VehDyn AutoCntrLoSpd M str.Timer2Thresh mS u16 | 31995 | 31995 ± 2 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 1568734208 | 1568734208 | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 1568734208 | 1568734208 | |
| | 0.000113070011 | 0.000113090937 ± 1.25663627181805E-06 | Ž |
| VehDyn_AutoCntrl_oSpd_M_str.RelHwPosFilt1SV_HwDog_str.K_Uls_f32 | | | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000841617584 | 0.000841592497 ± 1.25663627181805E-06 | |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 6.28232956e-005 | 6.28298803e-005 ± 1.25663627181805E-06 | ~ |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0 | 0 | ~ |
| VehDyn_SLPHwPos_HwDeg_M_f32 | 0 | 0 | |

| T | | | | |
|---------------------------------------------|-------|---------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ✓ |

| Test Step 2.58 (Repeat Count = 1) | ✓ |
|------------------------------------------------------------------|------------------------------------------------------------------------|
| Name | Input Value |
| GetSystemTime_mS_u32(CurrentTime) | tgt_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc) | target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn_2 |
| k_AutoCntrHiSpdCntrWindow_HwDeg_f32 | 88.5801086 |
| k_AutoCntrHiSpdFilt1Kn_Hz_f32 | 0.00520000001 |
| k_AutoCntrHiSpdFilt2Kn_Hz_f32 | 0.0250000004 |
| k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32 | 525.752197 |
| k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32 | 13.4235058 |
| k_AutoCntrHiSpdTimer1VehSpd_kph_f32 | 255 |
| k_AutoCntrHiSpdTimer1_mS_u16 | 42277 |
| k_AutoCntrHiSpdTimer2_mS_u16 | 52217 |
| k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32 | 38.5221024 |
| k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32 | 265.609314 |
| k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32 | 5.71470642 |
| k_AutoCntrHiSpdTimer4VehSpd_kph_f32 | 196.135361 |





| Name | Input Value | | |
|------------------------------------------------------------------------|------------------------|----------------------------------------|----------|
| k_AutoCntrHiSpdTimer4_mS_u16 | 54573 | | |
| k AutoCntrLoSpdCntrWindow HwDeg f32 | 58.6687202 | | |
| k AutoCntrLoSpdFilt1Kn Hz f32 | 0.0250000004 | | |
| k AutoCntrLoSpdFilt2Kn Hz f32 | 0.00600000005 | | |
| k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32 | 72.2188644 | | |
| k AutoCntrLoSpdTimer1PinTrg HwNm f32 | 5.45036793 | | |
| k AutoCntrLoSpdTimer1VehSpd kph f32 | 172.141464 | | |
| k_AutoCntrLoSpdTimer1_mS_u16 | 47724 | | |
| k AutoCntrLoSpdTimer2 mS u16 | 1764 | | |
| k AutoCntrPinTrqLPFCoeffKn Hz f32 | 0.00520000001 | | |
| k SLPEnableBFCheck Cnt Igc | 0 | | |
| k SLPHwAuthority Uls f32 | 0.304800004 | | |
| target Pim MotPosReset.NVMStoredLastPos HwDeg f32 | 319.630005 | | |
| target Pim MotPosReset.NVMStoredLastPosValid Cnt Igc | 1 | | |
| target Rte Call Ap VehDyn NxtrDiagMgr GetNTCActive NTCActive Ptr T Igc | 1 | | |
| target Rte Inst Ap VehDyn 2.Pim MotPosReset | target Pim MotPosReset | | |
| tgt_GetSystemTime_mS_u32_CurrentTime | 4195077888 | | |
| | | F | D14 |
| Name | Actual Value | Expected Value | Result |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 265.609314 | 265.609314 ± 0.2 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 196.135361 | 196.135361 ± 0.5 | V |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 5.71470642 | 5.71470642 ± 0.04 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 38.5221024 | 38.5221024 ± 0.0625 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 42277 | 42277 ± 2 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 54573 | 54573 ± 2 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 4195077888 | 4195077888 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 4195077888 | 4195077888 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000314116478 | 0.00031410993 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 7.53998756e-005 | 7.53953791e-005 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 525.752197 | 525.752197 ± 0.2 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 255 | 255 ± 0.5 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 13.4235058 | 13.4235058 ± 0.04 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 88.5801086 | 88.5801086 ± 0.0625 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 42277 | 42277 ± 2 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 52217 | 52217 ± 2 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 4195077888 | 4195077888 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 4195077888 | 4195077888 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 6.53266907e-005 | 6.53429888e-005 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000314116478 | 0.00031410993 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 72.2188644 | 72.2188644 ± 0.2 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 172.141464 | 172.141464 ± 0.5 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 5.45036793 | 5.45036793 ± 0.04 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 58.6687202 | 58.6687202 ± 0.0625 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 47724 | 47724 ± 2 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 1764 | 1764 ± 2 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 4195077888 | 4195077888 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 4195077888 | 4195077888 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000314116478 | 0.00031410993 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 7.53998756e-005 | 7.53953791e-005 ± 1.25663627181805E-06 | ~ |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 6.53266907e-005 | 6.53429888e-005 ± 1.25663627181805E-06 | ~ |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.304800004 | 0.304800004 | ~ |
| VehDyn_SLPHwPos_HwDeg_M_f32 | 319.630005 | 319.630005 | • |

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|---------------------------------------------|-------|---------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ✓ |

| Test Step 2.59 (Repeat Count = 1) | | |
|------------------------------------------------------------------|------------------------------------------------------------------------|--|
| Name | Input Value | |
| GetSystemTime_mS_u32(CurrentTime) | tgt_GetSystemTime_mS_u32_CurrentTime | |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc) | target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc | |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn_2 | |
| k_AutoCntrHiSpdCntrWindow_HwDeg_f32 | 21.7662468 | |
| k_AutoCntrHiSpdFilt1Kn_Hz_f32 | 0.0350000001 | |
| k_AutoCntrHiSpdFilt2Kn_Hz_f32 | 0.063000001 | |
| k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32 | 664.569519 | |
| k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32 | 12.4867144 | |
| k_AutoCntrHiSpdTimer1VehSpd_kph_f32 | 228.050003 | |
| k_AutoCntrHiSpdTimer1_mS_u16 | 8935 | |
| k_AutoCntrHiSpdTimer2_mS_u16 | 53328 | |





| News | Innut Value | | |
|------------------------------------------------------------------------------------------------|--------------------------------------|--------------------------------------------|----------|
| Name | Input Value | | |
| k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32 | 49.7095528 | | |
| k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32 | 450.146423 | | |
| k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32 | 9.50154114 | | |
| k_AutoCntrHiSpdTimer4VehSpd_kph_f32 | 182.573456 | | |
| k_AutoCntrHiSpdTimer4_mS_u16 | 7812 | | |
| k_AutoCntrLoSpdCntrWindow_HwDeg_f32 | 61.1730156 | | |
| k_AutoCntrLoSpdFilt1Kn_Hz_f32 | 0.063000001 | | |
| k_AutoCntrLoSpdFilt2Kn_Hz_f32 | 0.00779999979 | | |
| k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32 | 560.017944 | | |
| k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32 | 3.75256419 | | |
| k_AutoCntrLoSpdTimer1VehSpd_kph_f32 | 184.805145 | | |
| k_AutoCntrLoSpdTimer1_mS_u16 | 10463 | | |
| k_AutoCntrLoSpdTimer2_mS_u16 | 43013 | | |
| k_AutoCntrPinTrqLPFCoeffKn_Hz_f32 | 0.0350000001 | | |
| k_SLPEnableBFCheck_Cnt_lgc | | | |
| k_SLPHwAuthority_Uls_f32 | 0.311399996 | | |
| target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 | 295.596985 | | |
| target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc | 0 | | |
| target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc | | | |
| target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset tgt_GetSystemTime_mS_u32_CurrentTime | target_Pim_MotPosReset 2339853824 | | |
| | | From a set of Walton | D 14 |
| Name | Actual Value | Expected Value | Result |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 450.146423 | 450.146423 ± 0.2 | Y |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 182.573456 | 182.573456 ± 0.5 | • |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 9.50154114 | 9.50154114 ± 0.04 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 49.7095528 | 49.7095528 ± 0.0625 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 8935 | 8935 ± 2 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 7812 | 7812 ± 2 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 2339853824 | 2339853824 | V |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 2339853824 | 2339853824 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000791370869 | 0.000791368075 ± 1.25663627181805E-06 | * |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 9.7990036e-005 | 9.80128898e-005 ± 1.25663627181805E-06 | |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 664.569519 | 664.569519 ± 0.2 | - |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 228.050003 | 228.050003 ± 0.5 | |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 12.4867144 | 12.4867144 ± 0.04 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 21.7662468 | 21.7662468 ± 0.0625 | |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 8935 | 8935 ± 2 | - |
| VehDyn_AutoCotrHiSpd_M_str.Timer2Thresh_mS_u16 | 53328 | 53328 ± 2 | |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 2339853824 | 2339853824 2339853824 | - |
| VehDyn_AutoCatrl ISad M. etc. Pall hyDea Fill 1900 etc IC III 622 | 2339853824 0.000439703465 | | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | | 0.000439726253 ± 1.25663627181805E-06 | - |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000791370869 | 0.000791368075 ± 1.25663627181805E-06 | |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 560.017944 | 560.017944 ± 0.2 | - |
| VehDyn_AutoCotrl oSpd_M_str.VehSpd_kph_f32 | 184.805145 | 184.805145 ± 0.5 | |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 3.75256419 61.1730156 | 3.75256419 ± 0.04 61.1730156 ± 0.0625 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 10463 | 10463 ± 2 | |
| VehDyn AutoCntrLoSpd M str.Timer2Thresh mS u16 | 43013 | 43013 ± 2 | - |
| | 2339853824 | 2339853824 | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | | 2339853824 | - |
| , = | 2339853824 | 0.000791368075 ± 1.25663627181805E-06 | |
| VehDyn_AutoCntrloSpd_M_str.RelHwPosFilt1SV_HwDog_str.K_Uls_f32 | 0.000791370869 9.7990036e-005 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | | 9.80128898e-005 ± 1.25663627181805E-06 | |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 VehDyn_SLPHwAuth_Uls_M_f32 | 0.000439703465 | 0.000439726253 ± 1.25663627181805E-06 0 | - |
| VehDyn_SLPHwPos_HwDeg_M_f32 | 0 | 0 | |
| V GILD YII_OLI: TIWE OS_TIWDEY_IVI_IOZ | v | ٧ | |

| T | | | | V |
|---------------------------------------------|-------|---------------------------------------------|-------|--------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | • |

| Test Step 2.60 (Repeat Count = 1) | |
|------------------------------------------------------------------|------------------------------------------------------------------------|
| Name | Input Value |
| GetSystemTime_mS_u32(CurrentTime) | tgt_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc) | target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn_2 |
| k_AutoCntrHiSpdCntrWindow_HwDeg_f32 | 32.0222664 |
| k_AutoCntrHiSpdFilt1Kn_Hz_f32 | 0.0344000012 |
| k_AutoCntrHiSpdFilt2Kn_Hz_f32 | 0.0250000004 |
| k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32 | 575.91394 |





| Name | Input Value | | |
|------------------------------------------------------------------------|------------------------|----------------------------------------|----------|
| k AutoCntrHiSpdTimer1PinTrq HwNm f32 | 8.9376688 | | |
| k AutoCntrHiSpdTimer1VehSpd kph f32 | 65 | | |
| k AutoCntrHiSpdTimer1 mS u16 | 5222 | | |
| k AutoCntrHiSpdTimer2 mS u16 | 4240 | | |
| k AutoCntrHiSpdTimer4CntrWindow HwDeg f32 | 93.8445969 | | |
| k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32 | 312.352844 | | |
| k AutoCntrHiSpdTimer4PinTrg HwNm f32 | 8.16609764 | | |
| k_AutoCntrHiSpdTimer4VehSpd_kph_f32 | 68 | | |
| k AutoCntrHiSpdTimer4 mS u16 | 31042 | | |
| k AutoCntrLoSpdCntrWindow HwDeg f32 | 95.9834061 | | |
| k_AutoCntrLoSpdFilt1Kn_Hz_f32 | 0.00499999989 | | |
| k_AutoCntrLoSpdFilt2Kn_Hz_f32 | 0.00499999989 | | |
| k AutoCntrLoSpdTimer1MtrVel MtrRadpS f32 | 195.818787 | | |
| k AutoCntrLoSpdTimer1PinTrg HwNm f32 | 7.82910013 | | |
| k AutoCntrLoSpdTimer1VehSpd kph f32 | 29.3435669 | | |
| k AutoCntrLoSpdTimer1 mS u16 | 25532 | | |
| k_AutoCntrLoSpdTimer2_mS_u16 | 27401 | | |
| k_AutoCntrPinTrqLPFCoeffKn_Hz_f32 | 0.0344000012 | | |
| k_SLPEnableBFCheck_Cnt_lgc | 0 | | |
| k_SLPHwAuthority_Uls_f32 | 0.608399987 | | |
| target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 | 785.888 | | |
| target Pim MotPosReset.NVMStoredLastPosValid Cnt Igc | 1 | | |
| target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc | 1 | | |
| target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset | target_Pim_MotPosReset | | |
| tgt_GetSystemTime_mS_u32_CurrentTime | 3323480832 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn AutoCntrDetSpd M str.MtrVel MtrRadpS f32 | 312.352844 | 312.352844 ± 0.2 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 68 | 68 ± 0.5 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 8.16609764 | 8.16609764 ± 0.04 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 93.8445969 | 93.8445969 ± 0.0625 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 5222 | 5222 ± 2 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 31042 | 31042 ± 2 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 3323480832 | 3323480832 | - |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 3323480832 | 3323480832 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 6.28232956e-005 | 6.28298803e-005 ± 1.25663627181805E-06 | • |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 6.28232956e-005 | 6.28298803e-005 ± 1.25663627181805E-06 | • |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 575.91394 | 575.91394 ± 0.2 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 65 | 65 ± 0.5 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 8.9376688 | 8.9376688 ± 0.04 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 32.0222664 | 32.0222664 ± 0.0625 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 5222 | 5222 ± 2 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 4240 | 4240 ± 2 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 3323480832 | 3323480832 | - |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 3323480832 | 3323480832 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000432193279 | 0.000432189729 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000314116478 | 0.00031410993 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 195.818787 | 195.818787 ± 0.2 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 29.3435669 | 29.3435669 ± 0.5 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 7.82910013 | 7.82910013 ± 0.04 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 95.9834061 | 95.9834061 ± 0.0625 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 25532 | 25532 ± 2 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 27401 | 27401 ± 2 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 3323480832 | 3323480832 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 3323480832 | 3323480832 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 6.28232956e-005 | 6.28298803e-005 ± 1.25663627181805E-06 | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 6.28232956e-005 | 6.28298803e-005 ± 1.25663627181805E-06 | |
| VahDun DinTracV/ M ata K IIIa 622 | 0.000400400070 | 0.000432189729 ± 1.25663627181805E-06 | ✓ |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000432193279 | | |
| VehDyn_SLPHwAuth_Uls_M_f32 VehDyn_SLPHwPos_HwDeg_M_f32 | 0.608399987 785.888 | 0.608399987 785.888 | * |

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|---------------------------------------------|-------|---------------------------------------------|-------|--------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |

| Test Step 2.61 (Repeat Count = 1) | · · |
|------------------------------------------------------------------|------------------------------------------------------------------------|
| Name | Input Value |
| GetSystemTime_mS_u32(CurrentTime) | tgt_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc) | target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn_2 |





| Name | Input Value | | |
|---------------------------------------------------------------------------------------------------------|------------------------------|----------------------------------------|----------|
| k_AutoCntrHiSpdCntrWindow_HwDeg_f32 | 19.5605583 | | |
| k_AutoCntrHiSpdFilt1Kn_Hz_f32 | 0.0560000017 | | |
| k_AutoCntrHiSpdFilt2Kn_Hz_f32 | 0.00200000009 572.561157 | | |
| k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32 | 0 | | |
| k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32 k_AutoCntrHiSpdTimer1VehSpd_kph_f32 | 193.532913 | | |
| k AutoCntrHiSpdTimer1 mS u16 | 16201 | | |
| k_AutoCntrHiSpdTimer2_mS_u16 | 54439 | | |
| k AutoCntrHiSpdTimer4CntrWindow HwDeg f32 | 75.1727753 | | |
| k AutoCntrHiSpdTimer4MtrVel MtrRadpS f32 | 520.135864 | | |
| k AutoCntrHiSpdTimer4PinTrg HwNm f32 | 12.4131937 | | |
| k_AutoCntrHiSpdTimer4VehSpd_kph_f32 | 52.6185455 | | |
| k AutoCntrHiSpdTimer4 mS u16 | 54779 | | |
| k_AutoCntrLoSpdCntrWindow_HwDeg_f32 | 27.0724258 | | |
| k AutoCntrLoSpdFilt1Kn Hz f32 | 0.00200000009 | | |
| k AutoCntrLoSpdFilt2Kn Hz f32 | 0.00899999961 | | |
| k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32 | 199.42067 | | |
| k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32 | 7.28609991 | | |
| k_AutoCntrLoSpdTimer1VehSpd_kph_f32 | 255 | | |
| k_AutoCntrLoSpdTimer1_mS_u16 | 18002 | | |
| k_AutoCntrLoSpdTimer2_mS_u16 | 18842 | | |
| k_AutoCntrPinTrqLPFCoeffKn_Hz_f32 | 0.0560000017 | | |
| k_SLPEnableBFCheck_Cnt_lgc | 0 | | |
| k_SLPHwAuthority_Uls_f32 | 0.317999989 | | |
| target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 | 271.563995 | | |
| target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc | 1 | | |
| target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc | 1 | | |
| target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset | target_Pim_MotPosReset | | |
| tgt_GetSystemTime_mS_u32_CurrentTime | 3524313344 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 520.135864 | 520.135864 ± 0.2 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 52.6185455 | 52.6185455 ± 0.5 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 12.4131937 | 12.4131937 ± 0.04 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 75.1727753 | 75.1727753 ± 0.0625 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 16201 | 16201 ± 2 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 54779 | 54779 ± 2 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 3524313344 | 3524313344 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 3524313344 | 3524313344 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 2.51531601e-005 | 2.51324254e-005 ± 1.25663627181805E-06 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000113070011 | 0.000113090937 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 572.561157 | 572.561157 ± 0.2 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 193.532913 | 193.532913 ± 0.5 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 0 | 0 ± 0.04 | V |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 19.5605583 | 19.5605583 ± 0.0625 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 16201 | 16201 ± 2 | - 4 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 54439 | 54439 ± 2 | V |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 3524313344 | 3524313344 3524313344 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 3524313344 0.000703454018 | 0.00070346921 ± 1.25663627181805E-06 | |
| VehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 2.51531601e-005 | 2.51324254e-005 ± 1.25663627181805E-06 | _ |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 199.42067 | 199.42067 ± 0.2 | |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 255 | 255 ± 0.5 | ~ |
| VehDyn AutoCntrLoSpd M str.FiltPinTrg HwNm f32 | 7.28609991 | 7.28609991 ± 0.04 | |
| VehDyn AutoCntrLoSpd M str.CntrWindow HwDeg f32 | 27.0724258 | 27.0724258 ± 0.0625 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 18002 | 18002 ± 2 | - |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 18842 | 18842 ± 2 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 3524313344 | 3524313344 | |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 3524313344 | 3524313344 | • |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 2.51531601e-005 | 2.51324254e-005 ± 1.25663627181805E-06 | |
| VehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32 | 0.000113070011 | 0.000113090937 ± 1.25663627181805E-06 | • |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000703454018 | 0.00070346921 ± 1.25663627181805E-06 | - |
| VehDyn SLPHwAuth Uls M f32 | 0.317999989 | 0.317999989 | ~ |
| VehDyn_SLPHwPos_HwDeg_M_f32 | 271.563995 | 271.563995 | ~ |
| | 1 | 1 | |

| T . | | | | ✓ |
|---------------------------------------------|-------|---------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | • |

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| Test Step 2.62 (Repeat Count = 1) | ✓ |
|------------------------------------------------------------------|------------------------------------------------------------------------|
| Name | Input Value |
| GetSystemTime_mS_u32(CurrentTime) | tgt_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc) | target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn_2 |
| k_AutoCntrHiSpdCntrWindow_HwDeg_f32 | |



| T | | | | |
|---------------------------------------------|-------|---------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | ~ |
| GetSystemTime mS u32 | 1 | GetSystemTime mS u32 | 1 | ✓ |

| Test Step 2.63 (Repeat Count = 1) | | • |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|
| Name | Input Value | |
| GetSystemTime_mS_u32(CurrentTime) | tgt_GetSystemTime_mS_u32_CurrentTime | |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc) | target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc | |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn_2 | |
| k_AutoCntrHiSpdCntrWindow_HwDeg_f32 | 47.1172676 | |
| k_AutoCntrHiSpdFilt1Kn_Hz_f32 | 0.0250000004 | |
| k_AutoCntrHiSpdFilt2Kn_Hz_f32 | 0.00520000001 | |
| k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32 | 330.663879 | |
| k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32 | 14.0500002 | |
| k_AutoCntrHiSpdTimer1VehSpd_kph_f32 | 53.6340179 | |
| k_AutoCntrHiSpdTimer1_mS_u16 | 18436 | |
| k_AutoCntrHiSpdTimer2_mS_u16 | 56661 | |
| k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32 | 52.8357315 | |
| k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32 | 129.583893 | |
| k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32 | 2.4654448 | |
| k_AutoCntrHiSpdTimer4VehSpd_kph_f32 | 169.279709 | |
| k_AutoCntrHiSpdTimer4_mS_u16 | 46866 | |
| k_AutoCntrLoSpdCntrWindow_HwDeg_f32 | 80.1532669 | |
| k_AutoCntrLoSpdFilt1Kn_Hz_f32 | 0.00520000001 | |
| k_AutoCntrLoSpdFilt2Kn_Hz_f32 | 0.0458000004 | |
| k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32 | 207.336761 | |
| k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32 | 15.5891829 | |
| k AutoCntrLoSpdTimer1VehSpd kph f32 | 126.774094 | |
| k_AutoCntrLoSpdTimer1_mS_u16 | 29601 | |
| k_AutoCntrLoSpdTimer2_mS_u16 | 17463 | |
| k AutoCntrPinTrqLPFCoeffKn Hz f32 | 0.0250000004 | |
| k SLPEnableBFCheck Cnt Igc | 0 | |
| k_SLPHwAuthority_Uls_f32 | 0.331200004 | |
| target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 | 223.498001 | |
| target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc | 1 | |
| | | |
| target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgr | | |
| target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset | target_Pim_MotPosReset 2894938880 | |
| tgt_GetSystemTime_mS_u32_CurrentTime | | D |
| Name | Actual Value Expected Value | Resul |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 129.583893 | • |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 169.279709 169.279709 ± 0.5 | • |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 2.4654448 ± 0.04 | • |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 52.8357315 | • |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 18436 18436 ± 2 | |
| VohDyn AutoCatrDotSad M etr Timor?Throch ms v.16 | | |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 46866 ± 2 | • |
| VehDyn_AutoCntrDetSpd_M_str.1imer21nresn_ms_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 46866 46866 ± 2 2894938880 2894938880 | • |
| | 2894938880 2894938880 2894938880 2894938880 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 2894938880 2894938880 2894938880 2894938880 6.53266907e-005 6.53429888e-005 ± 1.25663627181805E-00 | 3 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 2894938880 2894938880 2894938880 2894938880 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 2894938880 2894938880 2894938880 2894938880 6.53266907e-005 6.53429888e-005 ± 1.25663627181805E-00 | 3 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 2894938880 2894938880 2894938880 2894938880 6.53266907e-005 6.53429888e-005 ± 1.25663627181805E-06 0.000575374172 ± 1.25663627181805E-06 | 3 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 2894938880 2894938880 2894938880 2894938880 6.53266907e-005 6.53429888e-005 ± 1.25663627181805E-06 0.000575363636 0.000575374172 ± 1.25663627181805E-06 330.663879 330.663879 ± 0.2 | 3 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 2894938880 2894938880 2894938880 2894938880 6.53266907e-005 6.53429888e-005 ± 1.25663627181805E-06 0.000575363636 0.000575374172 ± 1.25663627181805E-06 330.663879 330.663879 ± 0.2 53.6340179 53.6340179 ± 0.5 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 2894938880 2894938880 2894938880 2894938880 6.53266907e-005 6.53429888e-005 ± 1.25663627181805E-06 0.000575363636 0.000575374172 ± 1.25663627181805E-06 330.663879 330.663879 ± 0.2 53.6340179 53.6340179 ± 0.5 14.0500002 14.0500002 ± 0.04 | 3 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 2894938880 2894938880 2894938880 2894938880 6.53266907e-005 6.53429888e-005 ± 1.25663627181805E-06 0.000575363636 0.000575374172 ± 1.25663627181805E-06 330.663879 330.663879 ± 0.2 53.6340179 53.6340179 ± 0.5 14.0500002 14.0500002 ± 0.04 47.1172676 47.1172676 ± 0.0625 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 2894938880 2894938880 2894938880 2894938880 6.53266907e-005 6.53429888e-005 ± 1.25663627181805E-06 0.000575363636 0.000575374172 ± 1.25663627181805E-06 330.663879 330.663879 ± 0.2 53.6340179 53.6340179 ± 0.5 14.0500002 14.0500002 ± 0.04 47.1172676 47.1172676 ± 0.0625 18436 18436 ± 2 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 2894938880 2894938880 2894938880 2894938880 6.53266907e-005 6.53429888e-005 ± 1.25663627181805E-06 0.000575363636 0.000575374172 ± 1.25663627181805E-06 330.663879 330.663879 ± 0.2 53.6340179 53.6340179 ± 0.5 14.0500002 14.0500002 ± 0.04 47.1172676 47.1172676 ± 0.0625 18436 18436 ± 2 56661 56661 ± 2 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 2894938880 2894938880 2894938880 2894938880 6.53266907e-005 6.53429888e-005 ± 1.25663627181805E-06 0.000575363636 0.000575374172 ± 1.25663627181805E-06 330.663879 330.663879 ± 0.2 53.6340179 53.6340179 ± 0.5 14.0500002 14.0500002 ± 0.04 47.1172676 47.1172676 ± 0.0625 18436 18436 ± 2 56661 56661 ± 2 2894938880 2894938880 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.ReiHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.ReiHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 2894938880 2894938880 2894938880 2894938880 6.53266907e-005 6.53429888e-005 ± 1.25663627181805E-06 0.000575363636 0.000575374172 ± 1.25663627181805E-06 330.663879 330.663879 ± 0.2 53.6340179 53.6340179 ± 0.5 14.0500002 14.0500002 ± 0.04 47.1172676 47.1172676 ± 0.0625 18436 18436 ± 2 56661 56661 ± 2 2894938880 2894938880 2894938880 2894938880 | 6 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.ReiHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.ReiHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.ReiHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 2894938880 2894938880 2894938880 2894938880 6.53266907e-005 6.53429888e-005 ± 1.25663627181805E-06 0.000575363636 0.000575374172 ± 1.25663627181805E-06 330.663879 330.663879 ± 0.2 53.6340179 53.6340179 ± 0.5 14.0500002 14.0500002 ± 0.04 47.1172676 47.1172676 ± 0.0625 18436 18436 ± 2 56661 56661 ± 2 2894938880 2894938880 2894938880 2894938880 0.000314116478 0.00031410993 ± 1.25663627181805E-06 | , , , , , , , , , , , , , , , , , , , |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 2894938880 2894938880 2894938880 2894938880 6.53266907e-005 6.53429888e-005 ± 1.25663627181805E-06 0.000575363636 0.000575374172 ± 1.25663627181805E-06 330.663879 330.663879 ± 0.2 53.6340179 53.6340179 ± 0.5 14.0500002 14.0500002 ± 0.04 47.1172676 47.1172676 ± 0.0625 18436 18436 ± 2 56661 56661 ± 2 2894938880 2894938880 2894938880 2894938880 0.000314116478 0.00031410993 ± 1.25663627181805E-06 6.53266907e-005 6.53429888e-005 ± 1.25663627181805E-06 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 2894938880 2894938880 2894938880 2894938880 6.53266907e-005 6.53429888e-005 ± 1.25663627181805E-06 0.000575363636 0.000575374172 ± 1.25663627181805E-06 330.663879 330.663879 ± 0.2 53.6340179 53.6340179 ± 0.5 14.0500002 14.0500002 ± 0.04 47.1172676 47.1172676 ± 0.0625 18436 18436 ± 2 56661 56661 ± 2 2894938880 2894938880 2894938880 2894938880 0.000314116478 0.00031410993 ± 1.25663627181805E-06 6.53266907e-005 6.53429888e-005 ± 1.25663627181805E-06 207.336761 207.336761 ± 0.2 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 2894938880 2894938880 2894938880 2894938880 6.53266907e-005 6.53429888e-005 ± 1.25663627181805E-06 0.000575363636 0.000575374172 ± 1.25663627181805E-06 330.663879 330.663879 ± 0.2 53.6340179 53.6340179 ± 0.5 14.0500002 14.0500002 ± 0.04 47.1172676 47.1172676 ± 0.0625 18436 18436 ± 2 56661 56661 ± 2 2894938880 2894938880 2894938880 2894938880 0.000314116478 0.00031410993 ± 1.25663627181805E-06 6.53266907e-005 6.53429888e-005 ± 1.25663627181805E-06 207.336761 207.336761 ± 0.2 126.774094 126.774094 ± 0.5 | 5 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 2894938880 2894938880 2894938880 2894938880 6.53266907e-005 6.53429888e-005 ± 1.25663627181805E-06 0.000575363636 0.000575374172 ± 1.25663627181805E-06 330.663879 330.663879 ± 0.2 53.6340179 53.6340179 ± 0.5 14.0500002 14.0500002 ± 0.04 47.1172676 47.1172676 ± 0.0625 18436 18436 ± 2 56661 56661 ± 2 2894938880 2894938880 2894938880 2894938880 0.000314116478 0.00031410993 ± 1.25663627181805E-06 6.53266907e-005 6.53429888e-005 ± 1.25663627181805E-06 207.336761 207.336761 ± 0.2 15.5891829 15.5891829 ± 0.04 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 2894938880 2894938880 2894938880 2894938880 6.53266907e-005 6.53429888e-005 ± 1.25663627181805E-06 0.000575363636 0.000575374172 ± 1.25663627181805E-06 330.663879 330.663879 ± 0.2 53.6340179 53.6340179 ± 0.5 14.0500002 14.0500002 ± 0.04 47.1172676 47.1172676 ± 0.0625 18436 18436 ± 2 56661 56661 ± 2 2894938880 2894938880 2894938880 2894938880 0.000314116478 0.00031410993 ± 1.25663627181805E-06 6.53266907e-005 6.53429888e-005 ± 1.25663627181805E-06 207.336761 207.336761 ± 0.2 126.774094 126.774094 ± 0.5 15.5891829 15.5891829 ± 0.04 80.1532669 80.1532669 ± 0.0625 | 6 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 289493880 289493880 289493880 6.53266907e-005 6.53266907e-005 0.000575363636 0.000575374172 ± 1.25663627181805E-06 330.663879 330.663879 330.663879 53.6340179 53.6340179 ± 0.5 14.0500002 14.0500002 47.1172676 47.1172676 ± 0.0625 18436 18436 ± 2 56661 289493880 289493880 0.000314116478 0.000314110993 ± 1.25663627181805E-06 6.53266907e-005 6.5342988e-005 ± 1.25663627181805E-06 207.336761 207.336761 207.336761 ± 0.2 126.774094 126.774094 126.774094 ± 0.5 15.5891829 15.5891829 80.1532669 29601 29601 ± 2 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2Driesh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.NtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 2894938880 2894938880 2894938880 2894938880 6.53266907e-005 6.5342988e-005 ± 1.25663627181805E-06 0.000575363636 0.000575374172 ± 1.25663627181805E-06 330.663879 330.663879 ± 0.2 53.6340179 53.6340179 ± 0.5 14.0500002 14.0500002 ± 0.04 47.1172676 47.1172676 ± 0.0625 18436 18436 ± 2 56661 56661 ± 2 2894938880 2894938880 0.000314116478 0.00031410993 ± 1.25663627181805E-06 6.53266907e-005 6.5342988e-005 ± 1.25663627181805E-06 207.336761 207.336761 ± 0.2 126.774094 126.774094 ± 0.5 15.5891829 15.5891829 ± 0.04 80.1532669 80.1532669 ± 0.0625 29601 29601 ± 2 17463 17463 ± 2 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.WtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 2894938880 2894938880 2894938880 2894938880 6.53266907e-005 6.5342988e-005 ± 1.25663627181805E-06 0.000575363636 0.000575374172 ± 1.25663627181805E-06 330.663879 330.663879 ± 0.2 53.6340179 53.6340179 ± 0.5 14.0500002 14.0500002 ± 0.04 47.1172676 47.1172676 ± 0.0625 18436 18436 ± 2 56661 56661 ± 2 2894938880 2894938880 0.000314116478 0.00031410993 ± 1.25663627181805E-06 6.53266907e-005 6.5342988e-005 ± 1.25663627181805E-06 207.336761 207.336761 ± 0.2 126.774094 126.774094 ± 0.5 15.5891829 15.5891829 ± 0.04 80.1532669 80.1532669 ± 0.0625 29601 29601 ± 2 17463 17463 ± 2 2894938880 2894938880 | |





| Name | Actual Value | Expected Value | Result |
|---------------------------------|----------------|--------------------------------------|--------|
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000314116478 | 0.00031410993 ± 1.25663627181805E-06 | · 🗸 |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.331200004 | 0.331200004 | ~ |
| VehDyn_SLPHwPos_HwDeg_M_f32 | 223.498001 | 223.498001 | _ |

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|---------------------------------------------|-------|---------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ✓ |

| Test Step 2.64 (Repeat Count = 1) | | | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|---------------------------------------|-------|
| Name | Input Value | | |
| GetSystemTime_mS_u32(CurrentTime) | tgt_GetSystemTime_mS_u32_Currer | ntTime | |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc) | target_Rte_Call_Ap_VehDyn_NxtrDia | agMgr_GetNTCActive_NTCActive_Ptr_T_lg | JC . |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn_2 | | |
| k_AutoCntrHiSpdCntrWindow_HwDeg_f32 | 24.5077915 | | |
| k_AutoCntrHiSpdFilt1Kn_Hz_f32 | 0.0250000004 | | |
| k_AutoCntrHiSpdFilt2Kn_Hz_f32 | 0.00989999995 | | |
| k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32 | 416.42218 | | |
| k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32 | 4 | | |
| k_AutoCntrHiSpdTimer1VehSpd_kph_f32 | 168.185226 | | |
| k_AutoCntrHiSpdTimer1_mS_u16 | 30272 | | |
| k_AutoCntrHiSpdTimer2_mS_u16 | 2904 | | |
| k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32 | 51.7886963 | | |
| k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32 | 272.816681 | | |
| k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32 | 13.0401011 | | |
| k_AutoCntrHiSpdTimer4VehSpd_kph_f32 | 209.062363 | | |
| k_AutoCntrHiSpdTimer4_mS_u16 | 3628 | | |
| k_AutoCntrLoSpdCntrWindow_HwDeg_f32 | 59.735672 | | |
| k_AutoCntrLoSpdFilt1Kn_Hz_f32 | 0.063000001 | | |
| k_AutoCntrLoSpdFilt2Kn_Hz_f32 | 0.00499999989 | | |
| k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32 | 499.624054 | | |
| k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32 | 6.55805016 | | |
| k_AutoCntrLoSpdTimer1VehSpd_kph_f32 | 125.396591 | | |
| k_AutoCntrLoSpdTimer1_mS_u16 | 36412 | | |
| k_AutoCntrLoSpdTimer2_mS_u16 | 14998 | | |
| k_AutoCntrPinTrqLPFCoeffKn_Hz_f32 | 0.0250000004 | | |
| k_SLPEnableBFCheck_Cnt_lgc | 0 | | |
| k_SLPHwAuthority_Uls_f32 | 0.300000012 | | |
| target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 | -689.755981 | | |
| target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc | 1 | | |
| $target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgetActive_NTCActive_Ptr_T_lgetActive_NTCActive_Ptr_T_lgetActive_NTCActive_Ptr_T_lgetActive_NTCActive_Ptr_T_lgetActive_NTCActive_Ptr_T_lgetActive_NTCActive_Ptr_T_lgetActive_NTCActive_Ptr_T_lgetActive_NTCActive_Ptr_T_lgetActive_NTCActive_Ptr_T_lgetActive_NTCActive_Ptr_T_lgetActive_NTCActive_Ptr_T_lgetActive_NTCActive_Ptr_T_lgetActive_NTCActive_Ptr_T_lgetActive_NTCActive_Ptr_T_lgetActive_NTCActive_Ptr_T_lgetActive_NTCActive_Ptr_T_lgetActive_NTCActive_Ptr_T_lgetActive_NTCActive_Ptr_T_lgetActive_NTCActive_Ptr_T_lgetActive_NTCActive_Ptr_T_lgetActive_NTCActive_Ptr_T_lgetActive_NTCActive_Ptr_T_lgetActive_NTCActive_Ptr_T_lgetActive_NTCActive_Ptr_T_lgetActive_NTCActive_Ptr_T_lgetActive_NTCActive_NTCActive_Ptr_T_lgetActive_NTCActive_NTCActive_NTCActive_NTCActive_NTCActive_NTCActive_NTCActive_NTCActive_NTCActive_NTCActive_NTCActive_NTCActive_NTCActive_NTCActive_NTCActive_NTCActive_NTCActive_NTCActive_NTCActive_NTCActive_NTCActive_NTCActive_NTCActive_NTCActive_NTCActive_NTCActive_NTCActive_NTCActive_NTCActive_NTCActive_NTCActive_NTCActive_NTCActive_NTCActive_NTCActive_NTCActive_NTCActive_NTCActive_NTCActive_NTCActive_NTCActive_NTCActive_NTCActive_NTCActive_NTCActive_NTCActive_NTCActive_NTCActive_NTCActive_NTCActive_NTCActive_NTCActive_NTCActive_NTCActive_NTCActive_NTCActive_NTCActive_NTCActive_NTCActive_NTCActive_NTCActive_NTCActive_NTCActive_NTCActive_NTCActive_NTCActive_NTCActive_NTCActive_NTCActive_NTCActive_NTCActive_NTCActive_NTCActive_NTCActive_NTCActive_NTCActive_NTCActive_NTCActive_NTCActive_NTCActive_NTCActive_NTCActive_NTCActive_NTCActive_NTCActive_NTCActive_NTCActive_NTCActive_NTCActive_NTCActive_NTCActive_NTCActive_NTCActive_NTCActive_NTCActive_NTCActive_NTCActive_NTCActive_NTCActive_NTCActive_NTCActive_NTCActive_NTCActive_NTCActive_NTCActive_NTCActive_NTCActive_NTCActive_NTCActive_NTCActive_NTCActive_NTCActive_NTCActive_NTCActive_NTCActive_NTCActive_NTCActive_NTCActive_NTCActive_NTCActive_NTCActive_NTCActive_NTCActive_NTCActive_NTCActive_NTCA$ | 1 | | |
| target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset | target_Pim_MotPosReset | | |
| tgt_GetSystemTime_mS_u32_CurrentTime | 3941357312 | | |
| Name | Actual Value | Expected Value | Resul |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 272.816681 | 272.816681 ± 0.2 | |
| VehDyn AutoCntrDetSpd M str.VehSpd kph f32 | 209.062363 | 209.062363 ± 0.5 | |





| Name | Actual Value | Expected Value | Result |
|----------------------------------------------------------------|-----------------|----------------------------------------|----------|
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 3941357312 | 3941357312 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 3941357312 | 3941357312 | • |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000791370869 | 0.000791368075 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 6.28232956e-005 | 6.28298803e-005 ± 1.25663627181805E-06 | • |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000314116478 | 0.00031410993 ± 1.25663627181805E-06 | • |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.300000012 | 0.30000012 | ✓ |
| VehDyn_SLPHwPos_HwDeg_M_f32 | -689.755981 | -689.755981 | ~ |

| Т | | | | |
|---------------------------------------------|-------|---------------------------------------------|-------|--------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | - |

| Test Step 2.65 (Repeat Count = 1) Name | Innut Value | |
|------------------------------------------------------------------------|------------------------------------------------------------------------|-------|
| | Input Value | |
| GetSystemTime_mS_u32(CurrentTime) | tgt_GetSystemTime_mS_u32_CurrentTime | |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc) | target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc | |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn_2 | |
| k_AutoCntrHiSpdCntrWindow_HwDeg_f32 | 0 | |
| k_AutoCntrHiSpdFilt1Kn_Hz_f32 | 0.0049999989 | |
| k_AutoCntrHiSpdFilt2Kn_Hz_f32 | 0.0350000001 | |
| k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32 | 106.088676 | |
| k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32 | 17.3796749 | |
| k_AutoCntrHiSpdTimer1VehSpd_kph_f32 | 82.7024841 | |
| k_AutoCntrHiSpdTimer1_mS_u16 | 53106 | |
| k_AutoCntrHiSpdTimer2_mS_u16 | 57772 | |
| k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32 | 0.382190108 | |
| k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32 | 40.3323212 | |
| k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32 | 19.9312096 | |
| k_AutoCntrHiSpdTimer4VehSpd_kph_f32 | 251.952911 | |
| k_AutoCntrHiSpdTimer4_mS_u16 | 14715 | |
| k_AutoCntrLoSpdCntrWindow_HwDeg_f32 | 86.5985413 | |
| k_AutoCntrLoSpdFilt1Kn_Hz_f32 | 0.0320999995 | |
| k_AutoCntrLoSpdFilt2Kn_Hz_f32 | 0.00499999989 | |
| k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32 | 267.78949 | |
| k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32 | 17.6586285 | |
| k_AutoCntrLoSpdTimer1VehSpd_kph_f32 | 105.719757 | |
| k_AutoCntrLoSpdTimer1_mS_u16 | 27170 | |
| k_AutoCntrLoSpdTimer2_mS_u16 | 21888 | |
| k_AutoCntrPinTrqLPFCoeffKn_Hz_f32 | 0.00499999989 | |
| k_SLPEnableBFCheck_Cnt_lgc | 1. | |
| k_SLPHwAuthority_Uls_f32 | 0.337799996 | |
| target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 | 199.464996 | |
| target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc | 0 | |
| target Rte Call Ap VehDyn NxtrDiagMgr GetNTCActive NTCActive Ptr T Igc | 0 | |
| target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset | target_Pim_MotPosReset | |
| tgt_GetSystemTime_mS_u32_CurrentTime | 2059598336 | |
| Name | Actual Value Expected Value | Resu |
| VehDyn AutoCntrDetSpd M str.MtrVel MtrRadpS f32 | 40.3323212 40.3323212 ± 0.2 | 11000 |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 251.952911 251.952911 ± 0.5 | |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 19.9312096 19.9312096 ± 0.04 | |
| | 19.9312090 19.9312090 ± 0.04 0.382190108 0.382190108 ± 0.0625 | |
| VehDyn_AutoCotrDetSpd_M_str.CntrWindow_HwDeg_f32 | 53106 53106 ± 0.0025 | |
| VehDyn_AutoCotrDetSpd_M_str.Timer1Thresh_mS_u16 | | |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 14715 14715 ± 2 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 2059598336 2059598336 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 2059598336 2059598336 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000403285027 0.000403299142 ± 1.25663627181805E-06 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E-00 | 6 |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 106.088676 106.088676 ± 0.2 | |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 82.7024841 ± 0.5 | |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 17.3796749 17.3796749 ± 0.04 | |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 0 ± 0.0625 | |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 53106 ± 2 | |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 57772 ± 2 | |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 2059598336 2059598336 | |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 2059598336 2059598336 | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E-06 | 6 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000439703465 | |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 267.78949 267.78949 ± 0.2 | |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 105.719757 105.719757 ± 0.5 | |





| Name | Actual Value | Expected Value | Result |
|----------------------------------------------------------------|-----------------|----------------------------------------|----------|
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 17.6586285 | 17.6586285 ± 0.04 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 86.5985413 | 86.5985413 ± 0.0625 | • |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 27170 | 27170 ± 2 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 21888 | 21888 ± 2 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 2059598336 | 2059598336 | • |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 2059598336 | 2059598336 | • |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000403285027 | 0.000403299142 ± 1.25663627181805E-06 | • |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 6.28232956e-005 | 6.28298803e-005 ± 1.25663627181805E-06 | ~ |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 6.28232956e-005 | 6.28298803e-005 ± 1.25663627181805E-06 | ~ |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0 | 0 | • |
| VehDyn_SLPHwPos_HwDeg_M_f32 | 0 | 0 | ~ |

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|---------------------------------------------|-------|---------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ✓ |

| Test Step 2.66 (Repeat Count = 1) Name | Input Value | |
|------------------------------------------------------------------------|------------------------------------------------------------------------|------|
| | | |
| GetSystemTime_mS_u32(CurrentTime) | tgt_GetSystemTime_mS_u32_CurrentTime | |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc) | target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc | |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn_2 | |
| k_AutoCntrHiSpdCntrWindow_HwDeg_f32 | 100 | |
| k_AutoCntrHiSpdFilt1Kn_Hz_f32 | 0.00899999961 | |
| k_AutoCntrHiSpdFilt2Kn_Hz_f32 | 0.0560000017 | |
| k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32 | 246.491226 | |
| k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32 | 15.1210756 | |
| k_AutoCntrHiSpdTimer1VehSpd_kph_f32 | 14.3564606 | |
| k_AutoCntrHiSpdTimer1_mS_u16 | 40735 | |
| k_AutoCntrHiSpdTimer2_mS_u16 | 58883 | |
| k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32 | 65.5642929 | |
| k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32 | 172.499313 | |
| k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32 | 5.32853031 | |
| k_AutoCntrHiSpdTimer4VehSpd_kph_f32 | 198.042679 | |
| k_AutoCntrHiSpdTimer4_mS_u16 | 37715 | |
| k_AutoCntrLoSpdCntrWindow_HwDeg_f32 | 9.40841103 | |
| k_AutoCntrLoSpdFilt1Kn_Hz_f32 | 0.0850000009 | |
| k_AutoCntrLoSpdFilt2Kn_Hz_f32 | 0.00899999961 | |
| k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32 | 210.980316 | |
| <_AutoCntrLoSpdTimer1PinTrq_HwNm_f32 | 5.85037804 | |
| k_AutoCntrLoSpdTimer1VehSpd_kph_f32 | 177.992142 | |
| k_AutoCntrLoSpdTimer1_mS_u16 | 35868 | |
| k_AutoCntrLoSpdTimer2_mS_u16 | 19303 | |
| k_AutoCntrPinTrqLPFCoeffKn_Hz_f32 | 0.0089999961 | |
| k_SLPEnableBFCheck_Cnt_lgc | 0 | |
| k SLPHwAuthority Uls f32 | 0.344399989 | |
| target Pim MotPosReset.NVMStoredLastPos HwDeg f32 | 175.432007 | |
| arget Pim MotPosReset.NVMStoredLastPosValid Cnt Igc | 1 | |
| target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc | 1 | |
| target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset | target_Pim_MotPosReset | |
| tgt_GetSystemTime_mS_u32_CurrentTime | 800969984 | |
| Name | Actual Value Expected Value | Res |
| /ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 172.499313 172.499313 ± 0.2 | 1103 |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 198.042679 198.042679 ± 0.5 | |
| | 5.32853031 5.32853031 ± 0.04 | |
| /ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 5.52653031 5.52653031 ± 0.04 65.5642929 ± 0.0625 | |
| /ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 40735 40735 ± 2 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 37715 37715 ± 2 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 800969984 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 800969984 800969984 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.00106757879 0.00106757123 ± 1.25663627181805E-06 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000113070011 0.000113090937 ± 1.25663627181805E-06 | |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 246.491226 ± 0.2 | |
| /ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 14.3564606 ± 0.5 | |
| /ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 15.1210756 15.1210756 ± 0.04 | |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 100 100 ± 0.0625 | |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 40735 ± 2 | |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 58883 ± 2 | |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 800969984 800969984 | |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 800969984 800969984 | |





| Name | Actual Value | Expected Value | Result |
|----------------------------------------------------------------|----------------|---------------------------------------|--------|
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000113070011 | 0.000113090937 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000703454018 | 0.00070346921 ± 1.25663627181805E-06 | • |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 210.980316 | 210.980316 ± 0.2 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 177.992142 | 177.992142 ± 0.5 | • |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 5.85037804 | 5.85037804 ± 0.04 | • |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 9.40841103 | 9.40841103 ± 0.0625 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 35868 | 35868 ± 2 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 19303 | 19303 ± 2 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 800969984 | 800969984 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 800969984 | 800969984 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.00106757879 | 0.00106757123 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000113070011 | 0.000113090937 ± 1.25663627181805E-06 | ~ |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000113070011 | 0.000113090937 ± 1.25663627181805E-06 | • |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.344399989 | 0.344399989 | • |
| VehDyn_SLPHwPos_HwDeg_M_f32 | 175.432007 | 175.432007 | ~ |

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|---------------------------------------------|-------|---------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |

| Test Step 2.67 (Repeat Count = 1) | | |
|------------------------------------------------------------------------|------------------------------------------------------------------------|--------|
| Name | Input Value | |
| GetSystemTime_mS_u32(CurrentTime) | tgt_GetSystemTime_mS_u32_CurrentTime | |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc) | target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc | |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn_2 | |
| k_AutoCntrHiSpdCntrWindow_HwDeg_f32 | 2.04999995 | |
| k_AutoCntrHiSpdFilt1Kn_Hz_f32 | 0.0250000004 | |
| k_AutoCntrHiSpdFilt2Kn_Hz_f32 | 0.0670000017 | |
| k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32 | 680.440247 | |
| k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32 | 8.89876556 | |
| k_AutoCntrHiSpdTimer1VehSpd_kph_f32 | 18.8164063 | |
| k_AutoCntrHiSpdTimer1_mS_u16 | 39187 | |
| k_AutoCntrHiSpdTimer2_mS_u16 | 59994 | |
| k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32 | 89.7410736 | |
| k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32 | 138.948975 | |
| k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32 | 18.4402218 | |
| k_AutoCntrHiSpdTimer4VehSpd_kph_f32 | 145.445251 | |
| k_AutoCntrHiSpdTimer4_mS_u16 | 35319 | |
| k_AutoCntrLoSpdCntrWindow_HwDeg_f32 | 54.7292175 | |
| k_AutoCntrLoSpdFilt1Kn_Hz_f32 | 0.00899999961 | |
| k_AutoCntrLoSpdFilt2Kn_Hz_f32 | 0.0250000004 | |
| k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32 | 664.948303 | |
| k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32 | 14.762373 | |
| k_AutoCntrLoSpdTimer1VehSpd_kph_f32 | 45.8468628 | |
| k_AutoCntrLoSpdTimer1_mS_u16 | 1815 | |
| k_AutoCntrLoSpdTimer2_mS_u16 | 21239 | |
| k_AutoCntrPinTrqLPFCoeffKn_Hz_f32 | 0.0250000004 | |
| k_SLPEnableBFCheck_Cnt_lgc | 1 | |
| k_SLPHwAuthority_Uls_f32 | 0.351000011 | |
| target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 | 151.399002 | |
| target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc | 0 | |
| target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc | 0 | |
| target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset | target_Pim_MotPosReset | |
| tgt_GetSystemTime_mS_u32_CurrentTime | 569984000 | |
| Name | Actual Value Expected Value | Resu |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 138.948975 | |
| VehDyn AutoCntrDetSpd M str.VehSpd kph f32 | 145.445251 ± 0.5 | |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 18.4402218 ± 0.04 | |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 89.7410736 ± 0.0625 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 39187 ± 2 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 35319 ± 2 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 569984000 569984000 | |
| /ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 569984000 569984000 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000113070011 0.000113090937 ± 1.256636271818 | 05E-06 |
| /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000314116478 | 5E-06 |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 680.440247 ± 0.2 | |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 18.8164063 18.8164063 ± 0.5 | |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 8.89876556 ± 0.04 | |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 2.04999995 ± 0.0625 | |





| Name | Actual Value | Expected Value | Result |
|----------------------------------------------------------------|----------------|---------------------------------------|--------|
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 39187 | 39187 ± 2 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 59994 | 59994 ± 2 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 569984000 | 569984000 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 569984000 | 569984000 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000314116478 | 0.00031410993 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000841617584 | 0.000841592497 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 664.948303 | 664.948303 ± 0.2 | • |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 45.8468628 | 45.8468628 ± 0.5 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 14.762373 | 14.762373 ± 0.04 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 54.7292175 | 54.7292175 ± 0.0625 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 1815 | 1815 ± 2 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 21239 | 21239 ± 2 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 569984000 | 569984000 | • |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 569984000 | 569984000 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000113070011 | 0.000113090937 ± 1.25663627181805E-06 | • |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000314116478 | 0.00031410993 ± 1.25663627181805E-06 | ~ |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000314116478 | 0.00031410993 ± 1.25663627181805E-06 | ~ |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0 | 0 | ~ |
| VehDyn SLPHwPos HwDeg M f32 | 0 | 0 | ~ |

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|---------------------------------------------|-------|---------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | ~ |
| GetSystemTime mS u32 | 1 | GetSystemTime mS u32 | 1 | ✓ |

| Test Step 2.68 (Repeat Count = 1) | | |
|-----------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------|-------|
| Name | Input Value | |
| GetSystemTime_mS_u32(CurrentTime) | tgt_GetSystemTime_mS_u32_CurrentTime | |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc) | target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc | |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn_2 | |
| AutoCntrHiSpdCntrWindow_HwDeg_f32 | 5 | |
| x_AutoCntrHiSpdFilt1Kn_Hz_f32 | 0.00779999979 | |
| c_AutoCntrHiSpdFilt2Kn_Hz_f32 | 0.00899999961 | |
| c_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32 | 138.568741 | |
| c_AutoCntrHiSpdTimer1PinTrq_HwNm_f32 | 6.97866201 | |
| k_AutoCntrHiSpdTimer1VehSpd_kph_f32 | 72.755127 | |
| <pre>c_AutoCntrHiSpdTimer1_mS_u16</pre> | 7415 | |
| AutoCntrHiSpdTimer2 mS u16 | 6666 | |
| AutoCntrHiSpdTimer4CntrWindow HwDeg f32 | 59.698616 | |
| <pre>cccccccc</pre> | 50.0811806 | |
| <_AutoCntrHiSpdTimer4PinTrq_HwNm_f32 | 17.8322964 | |
| AutoCntrHiSpdTimer4VehSpd kph f32 | 117.223816 | |
| AutoCntrHiSpdTimer4 mS u16 | 16156 | |
| AutoCntrLoSpdCntrWindow HwDeg f32 | 81.3328171 | |
| AutoCntrLoSpdFilt1Kn Hz f32 | 0.00899999961 | |
| AutoCntrLoSpdFilt2Kn Hz f32 | 0.0250000004 | |
| AutoCntrLoSpdTimer1MtrVel MtrRadpS f32 | 543 | |
| AutoCntrLoSpdTimer1PinTrg HwNm f32 | 6.82931423 | |
| AutoCntrLoSpdTimer1VehSpd kph f32 | 199.050003 | |
| AutoCntrLoSpdTimer1 mS u16 | 33198 | |
| AutoCntrLoSpdTimer2 mS u16 | 7778 | |
| AutoCntrPinTrqLPFCoeffKn Hz f32 | 0.00779999979 | |
| SLPEnableBFCheck Cnt lgc | 1 | |
| SLPHwAuthority Uls f32 | 0.0342000015 | |
| arget Pim MotPosReset.NVMStoredLastPos HwDeg f32 | 1304.98303 | |
| arget Pim MotPosReset.NVMStoredLastPosValid Cnt Igc | 0 | |
| arget Rte Call Ap VehDyn NxtrDiagMgr GetNTCActive NTCActive Ptr T lgc | 0 | |
| arget_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset | target Pim MotPosReset | |
| gt GetSystemTime mS u32 CurrentTime | 3437401088 | |
| Name | Actual Value Expected Value | Resu |
| VehDyn AutoCntrDetSpd M str.MtrVel MtrRadpS f32 | 50.0811806 50.0811806 ± 0.2 | 11001 |
| /ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 117.223816 117.223816 ± 0.5 | |
| /ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 17.8322964 17.8322964 ± 0.04 | |
| /ehDyn AutoCntrDetSpd M str.CntrWindow HwDeg f32 | 59.698616 59.698616 ± 0.0625 | |
| /ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 7415 7415 ± 2 | |
| /ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 16156 16156 ± 2 | |
| /ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 3437401088 3437401088 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 3437401088 3437401088 | |
| VenDyn_AutoCntrDetSpd_M_str.1imer2_m5_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000113070011 0.000113090937 ± 1.2566362718180 | SE-06 |
| VehDyn AutoChtrDetSpd_M_str.ReiHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000113070011 0.000113090937 ± 1.2500302718100 | |





| Name | Actual Value | Expected Value | Result |
|----------------------------------------------------------------|----------------|----------------------------------------|----------|
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 138.568741 | 138.568741 ± 0.2 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 72.755127 | 72.755127 ± 0.5 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 6.97866201 | 6.97866201 ± 0.04 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 5 | 5 ± 0.0625 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 7415 | 7415 ± 2 | - |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 6666 | 6666 ± 2 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 3437401088 | 3437401088 | - |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 3437401088 | 3437401088 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 9.7990036e-005 | 9.80128898e-005 ± 1.25663627181805E-06 | • |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000113070011 | 0.000113090937 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 543 | 543 ± 0.2 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 199.050003 | 199.050003 ± 0.5 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 6.82931423 | 6.82931423 ± 0.04 | - |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 81.3328171 | 81.3328171 ± 0.0625 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 33198 | 33198 ± 2 | - |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 7778 | 7778 ± 2 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 3437401088 | 3437401088 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 3437401088 | 3437401088 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000113070011 | 0.000113090937 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000314116478 | 0.00031410993 ± 1.25663627181805E-06 | ~ |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 9.7990036e-005 | 9.80128898e-005 ± 1.25663627181805E-06 | ✓ |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0 | 0 | ~ |
| VehDyn SLPHwPos HwDeg M f32 | 0 | 0 | ✓ |

| T | | | | |
|---------------------------------------------|-------|---------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ✓ |

| Test Step 2.69 (Repeat Count = 1) | | | |
|------------------------------------------------------------------------------------|---------------------------------------|-----------------------------------|------|
| Name | Input Value | | |
| GetSystemTime_mS_u32(CurrentTime) | tgt_GetSystemTime_mS_u32_CurrentTime | 9 | |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc) | target_Rte_Call_Ap_VehDyn_NxtrDiagMgr | _GetNTCActive_NTCActive_Ptr_T_lgc | |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn_2 | | |
| k_AutoCntrHiSpdCntrWindow_HwDeg_f32 | 37.5070457 | | |
| k_AutoCntrHiSpdFilt1Kn_Hz_f32 | 0.00499999989 | | |
| k_AutoCntrHiSpdFilt2Kn_Hz_f32 | 0.00620000018 | | |
| k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32 | 449.560669 | | |
| k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32 | 7.49751949 | | |
| k_AutoCntrHiSpdTimer1VehSpd_kph_f32 | 15.1709442 | | |
| k_AutoCntrHiSpdTimer1_mS_u16 | 51065 | | |
| k_AutoCntrHiSpdTimer2_mS_u16 | 0 | | |
| k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32 | 33.4789696 | | |
| k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32 | 684.185608 | | |
| k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32 | 12.1316996 | | |
| k_AutoCntrHiSpdTimer4VehSpd_kph_f32 | 98.2219086 | | |
| k_AutoCntrHiSpdTimer4_mS_u16 | 3948 | | |
| k_AutoCntrLoSpdCntrWindow_HwDeg_f32 | 41.9530144 | | |
| k_AutoCntrLoSpdFilt1Kn_Hz_f32 | 0.00499999989 | | |
| k_AutoCntrLoSpdFilt2Kn_Hz_f32 | 0.0350000001 | | |
| k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32 | 686.860413 | | |
| k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32 | 8.50215721 | | |
| k_AutoCntrLoSpdTimer1VehSpd_kph_f32 | 108.267075 | | |
| k_AutoCntrLoSpdTimer1_mS_u16 | 19095 | | |
| k_AutoCntrLoSpdTimer2_mS_u16 | 14137 | | |
| k_AutoCntrPinTrqLPFCoeffKn_Hz_f32 | 0.00499999989 | | |
| k_SLPEnableBFCheck_Cnt_lgc | 0 | | |
| k_SLPHwAuthority_UIs_f32 | 0.357600003 | | |
| target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 | 127.365997 | | |
| target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc | 1 | | |
| $target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc$ | 1 | | |
| target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset | target_Pim_MotPosReset | | |
| tgt_GetSystemTime_mS_u32_CurrentTime | 3351443200 | | |
| Name | Actual Value | Expected Value | Resu |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 684.185608 | 684.185608 ± 0.2 | |
| VehDyn AutoCntrDetSpd M str.VehSpd kph f32 | 98.2219086 | 98.2219086 ± 0.5 | |
| VehDyn AutoCntrDetSpd M str.FiltPinTrg HwNm f32 | 12.1316996 | 12.1316996 ± 0.04 | |
| VehDyn AutoCntrDetSpd M str.CntrWindow HwDeg f32 | 33.4789696 | 33.4789696 ± 0.0625 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 51065 | 51065 ± 2 | |
| VehDyn AutoCntrDetSpd M str.Timer2Thresh mS u16 | 3948 | 3948 ± 2 | |





| Name | Actual Value | Expected Value | Result |
|-----------------------------------------------------------------|-----------------|----------------------------------------|----------|
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 3351443200 | 3351443200 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 3351443200 | 3351443200 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 6.28232956e-005 | 6.28298803e-005 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000439703465 | 0.000439726253 ± 1.25663627181805E-06 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 449.560669 | 449.560669 ± 0.2 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 15.1709442 | 15.1709442 ± 0.5 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 7.49751949 | 7.49751949 ± 0.04 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 37.5070457 | 37.5070457 ± 0.0625 | • |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 51065 | 51065 ± 2 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 0 | 0 ± 2 | • |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 3351443200 | 3351443200 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 3351443200 | 3351443200 | • |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 6.28232956e-005 | 6.28298803e-005 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 7.79032707e-005 | 7.79084658e-005 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 686.860413 | 686.860413 ± 0.2 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 108.267075 | 108.267075 ± 0.5 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 8.50215721 | 8.50215721 ± 0.04 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 41.9530144 | 41.9530144 ± 0.0625 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 19095 | 19095 ± 2 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 14137 | 14137 ± 2 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 3351443200 | 3351443200 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 3351443200 | 3351443200 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 6.28232956e-005 | 6.28298803e-005 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000439703465 | 0.000439726253 ± 1.25663627181805E-06 | ~ |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 6.28232956e-005 | 6.28298803e-005 ± 1.25663627181805E-06 | ~ |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.357600003 | 0.357600003 | • |
| VehDyn_SLPHwPos_HwDeg_M_f32 | 127.365997 | 127.365997 | ~ |

| Т | | | | | |
|---------------------------------------------|-------|---------------------------------------------|-------|----------|--|
| Actual Function | Count | Expected Function | Count | Result | |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | ~ | |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ✓ | |

| Name | Input Value | | |
|------------------------------------------------------------------------------------|--------------------------------|---------------------------------------|-------|
| GetSystemTime mS u32(CurrentTime) | tgt GetSystemTime mS u32 Curre | entTime | |
| Rte Call Ap VehDyn NxtrDiagMgr GetNTCActive(NTCActive Ptr T lgc) | | iagMgr GetNTCActive NTCActive Ptr T I | ac |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn_2 | | 5- |
| k AutoCntrHiSpdCntrWindow HwDeg f32 | 49.7710762 | | |
| k AutoCntrHiSpdFilt1Kn Hz f32 | 0.00899999961 | | |
| k AutoCntrHiSpdFilt2Kn Hz f32 | 0.00650000013 | | |
| k AutoCntrHiSpdTimer1MtrVel MtrRadpS f32 | 338.984467 | | |
| k AutoCntrHiSpdTimer1PinTrq HwNm f32 | 18.0932884 | | |
| k AutoCntrHiSpdTimer1VehSpd kph f32 | 236.904205 | | |
| k AutoCntrHiSpdTimer1 mS u16 | 19981 | | |
| k_AutoCntrHiSpdTimer2_mS_u16 | 60000 | | |
| k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32 | 46.1480331 | | |
| k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32 | 124.406281 | | |
| k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32 | 4.16511393 | | |
| k_AutoCntrHiSpdTimer4VehSpd_kph_f32 | 70.9388123 | | |
| k_AutoCntrHiSpdTimer4_mS_u16 | 29986 | | |
| k_AutoCntrLoSpdCntrWindow_HwDeg_f32 | 7.41047621 | | |
| k_AutoCntrLoSpdFilt1Kn_Hz_f32 | 0.00899999961 | | |
| k_AutoCntrLoSpdFilt2Kn_Hz_f32 | 0.0560000017 | | |
| k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32 | 281.363403 | | |
| k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32 | 17.0429993 | | |
| k_AutoCntrLoSpdTimer1VehSpd_kph_f32 | 139.053314 | | |
| k_AutoCntrLoSpdTimer1_mS_u16 | 8138 | | |
| k_AutoCntrLoSpdTimer2_mS_u16 | 35571 | | |
| k_AutoCntrPinTrqLPFCoeffKn_Hz_f32 | 0.00899999961 | | |
| k_SLPEnableBFCheck_Cnt_lgc | 1 | | |
| k_SLPHwAuthority_Uls_f32 | 0.364199996 | | |
| target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 | 103.333 | | |
| target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc | 0 | | |
| $target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc$ | 0 | | |
| target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset | target_Pim_MotPosReset | | |
| tgt_GetSystemTime_mS_u32_CurrentTime | 1358028288 | | |
| Name | Actual Value | Expected Value | Resul |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 124.406281 | 124.406281 ± 0.2 | • |
| VehDyn AutoCntrDetSpd M str.VehSpd kph f32 | 70.9388123 | 70.9388123 ± 0.5 | |





| Name | Actual Value | Expected Value | Result |
|-----------------------------------------------------------------|-----------------|---------------------------------------|----------|
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 4.16511393 | 4.16511393 ± 0.04 | - |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 46.1480331 | 46.1480331 ± 0.0625 | • |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 19981 | 19981 ± 2 | - |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 29986 | 29986 ± 2 | - |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 1358028288 | 1358028288 | - |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 1358028288 | 1358028288 | - |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000113070011 | 0.000113090937 ± 1.25663627181805E-06 | . 🗸 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000703454018 | 0.00070346921 ± 1.25663627181805E-06 | • |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 338.984467 | 338.984467 ± 0.2 | - |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 236.904205 | 236.904205 ± 0.5 | • |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 18.0932884 | 18.0932884 ± 0.04 | - |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 49.7710762 | 49.7710762 ± 0.0625 | - |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 19981 | 19981 ± 2 | - |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 60000 | 60000 ± 2 | - |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 1358028288 | 1358028288 | - |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 1358028288 | 1358028288 | - |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000113070011 | 0.000113090937 ± 1.25663627181805E-06 | . • |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 8.16583633e-005 | 8.16780739e-005 ± 1.25663627181805E-0 | 6 🗸 |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 281.363403 | 281.363403 ± 0.2 | - |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 139.053314 | 139.053314 ± 0.5 | • |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 17.0429993 | 17.0429993 ± 0.04 | - |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 7.41047621 | 7.41047621 ± 0.0625 | - |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 8138 | 8138 ± 2 | - |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 35571 | 35571 ± 2 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 1358028288 | 1358028288 | - |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 1358028288 | 1358028288 | - |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000113070011 | 0.000113090937 ± 1.25663627181805E-06 | . • |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000703454018 | 0.00070346921 ± 1.25663627181805E-06 | - |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000113070011 | 0.000113090937 ± 1.25663627181805E-06 | . • |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0 | 0 | • |
| VehDyn SLPHwPos HwDeg M f32 | 0 | 0 | - |

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|---------------------------------------------|-------|---------------------------------------------|-------|--------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |

| Test Step 2.71 (Repeat Count = 1) | · · |
|------------------------------------------------------------------------------------|------------------------------------------------------------------------|
| Name | Input Value |
| GetSystemTime_mS_u32(CurrentTime) | tgt_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc) | target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn_2 |
| k_AutoCntrHiSpdCntrWindow_HwDeg_f32 | 58.6891289 |
| k_AutoCntrHiSpdFilt1Kn_Hz_f32 | 0.0250000004 |
| k_AutoCntrHiSpdFilt2Kn_Hz_f32 | 0.0250000004 |
| k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32 | 57.2952843 |
| k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32 | 2.56739569 |
| k_AutoCntrHiSpdTimer1VehSpd_kph_f32 | 11.313797 |
| k_AutoCntrHiSpdTimer1_mS_u16 | 20825 |
| k_AutoCntrHiSpdTimer2_mS_u16 | 2000 |
| k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32 | 91.4300919 |
| k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32 | 459.889984 |
| k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32 | 18.1788235 |
| k_AutoCntrHiSpdTimer4VehSpd_kph_f32 | 195.647476 |
| k_AutoCntrHiSpdTimer4_mS_u16 | 47347 |
| k_AutoCntrLoSpdCntrWindow_HwDeg_f32 | 45.5890503 |
| k_AutoCntrLoSpdFilt1Kn_Hz_f32 | 0.0250000004 |
| k_AutoCntrLoSpdFilt2Kn_Hz_f32 | 0.0670000017 |
| k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32 | 195.074249 |
| k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32 | 15.5773945 |
| k_AutoCntrLoSpdTimer1VehSpd_kph_f32 | 208.55397 |
| k_AutoCntrLoSpdTimer1_mS_u16 | 19617 |
| k_AutoCntrLoSpdTimer2_mS_u16 | 42138 |
| k_AutoCntrPinTrqLPFCoeffKn_Hz_f32 | 0.0250000004 |
| k_SLPEnableBFCheck_Cnt_lgc | 0 |
| k_SLPHwAuthority_Uls_f32 | 0.370799989 |
| target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 | 79.3000031 |
| target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc | 1 |
| $target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc$ | 0 |
| target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset | target_Pim_MotPosReset |





| Name | Input Value | | |
|-----------------------------------------------------------------|----------------|---------------------------------------|----------|
| tgt_GetSystemTime_mS_u32_CurrentTime | 1975593216 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 459.889984 | 459.889984 ± 0.2 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 195.647476 | 195.647476 ± 0.5 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 18.1788235 | 18.1788235 ± 0.04 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 91.4300919 | 91.4300919 ± 0.0625 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 20825 | 20825 ± 2 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 47347 | 47347 ± 2 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 1975593216 | 1975593216 | • |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 1975593216 | 1975593216 | • |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000314116478 | 0.00031410993 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000841617584 | 0.000841592497 ± 1.25663627181805E-06 | • |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 57.2952843 | 57.2952843 ± 0.2 | • |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 11.313797 | 11.313797 ± 0.5 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 2.56739569 | 2.56739569 ± 0.04 | - |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 58.6891289 | 58.6891289 ± 0.0625 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 20825 | 20825 ± 2 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 2000 | 2000 ± 2 | • |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 1975593216 | 1975593216 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 1975593216 | 1975593216 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000314116478 | 0.00031410993 ± 1.25663627181805E-06 | - |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000314116478 | 0.00031410993 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 195.074249 | 195.074249 ± 0.2 | • |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 208.55397 | 208.55397 ± 0.5 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 15.5773945 | 15.5773945 ± 0.04 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 45.5890503 | 45.5890503 ± 0.0625 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 19617 | 19617 ± 2 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 42138 | 42138 ± 2 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 1975593216 | 1975593216 | • |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 1975593216 | 1975593216 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000314116478 | 0.00031410993 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000841617584 | 0.000841592497 ± 1.25663627181805E-06 | ~ |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000314116478 | 0.00031410993 ± 1.25663627181805E-06 | - |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.370799989 | 0.370799989 | ~ |
| VehDyn_SLPHwPos_HwDeg_M_f32 | 79.3000031 | 79.3000031 | ~ |

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|---------------------------------------------|-------|---------------------------------------------|-------|--------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | - |

| Test Step 2.72 (Repeat Count = 1) | ✓ |
|------------------------------------------------------------------|------------------------------------------------------------------------|
| Name | Input Value |
| GetSystemTime_mS_u32(CurrentTime) | tgt_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc) | target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn_2 |
| k_AutoCntrHiSpdCntrWindow_HwDeg_f32 | 39.9920425 |
| k_AutoCntrHiSpdFilt1Kn_Hz_f32 | 0.000199999995 |
| k_AutoCntrHiSpdFilt2Kn_Hz_f32 | 0.0350000001 |
| k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32 | 595.803711 |
| k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32 | 20 |
| k_AutoCntrHiSpdTimer1VehSpd_kph_f32 | 249.256897 |
| k_AutoCntrHiSpdTimer1_mS_u16 | 51762 |
| k_AutoCntrHiSpdTimer2_mS_u16 | 1234 |
| k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32 | 52.9036674 |
| k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32 | 637.189331 |
| k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32 | 4.48333788 |
| k_AutoCntrHiSpdTimer4VehSpd_kph_f32 | 60.9433594 |
| k_AutoCntrHiSpdTimer4_mS_u16 | 35091 |
| k_AutoCntrLoSpdCntrWindow_HwDeg_f32 | 70.5879364 |
| k_AutoCntrLoSpdFilt1Kn_Hz_f32 | 0.063000001 |
| k_AutoCntrLoSpdFilt2Kn_Hz_f32 | 0.00600000005 |
| k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32 | 112.469505 |
| k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32 | 9.19094181 |
| k_AutoCntrLoSpdTimer1VehSpd_kph_f32 | 138.473877 |
| k_AutoCntrLoSpdTimer1_mS_u16 | 45601 |
| k_AutoCntrLoSpdTimer2_mS_u16 | 16090 |
| k_AutoCntrPinTrqLPFCoeffKn_Hz_f32 | 0.0250000004 |
| k_SLPEnableBFCheck_Cnt_lgc | 1 |
| k_SLPHwAuthority_Uls_f32 | 0.377400011 |





| Name | Input Value | | |
|------------------------------------------------------------------------------------|------------------------|----------------------------------------|--------|
| target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 | 55.2669983 | | |
| target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc | 0 | | |
| $target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc$ | 1 | | |
| target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset | target_Pim_MotPosReset | | |
| tgt_GetSystemTime_mS_u32_CurrentTime | 910116864 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn AutoCntrDetSpd M str.MtrVel MtrRadpS f32 | 637.189331 | 637.189331 ± 0.2 | - |
| VehDyn AutoCntrDetSpd M str.VehSpd kph f32 | 60.9433594 | 60.9433594 ± 0.5 | • |
| VehDyn AutoCntrDetSpd M str.FiltPinTrg HwNm f32 | 4.48333788 | 4.48333788 ± 0.04 | - |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 52.9036674 | 52.9036674 ± 0.0625 | • |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 51762 | 51762 ± 2 | - |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 35091 | 35091 ± 2 | • |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 910116864 | 910116864 | • |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 910116864 | 910116864 | • |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000791370869 | 0.000791368075 ± 1.25663627181805E-06 | - |
| VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32 | 7.53998756e-005 | 7.53953791e-005 ± 1.25663627181805E-06 | • |
| VehDyn AutoCntrHiSpd M str.MtrVel MtrRadpS f32 | 595.803711 | 595.803711 ± 0.2 | - |
| VehDyn AutoCntrHiSpd M str.VehSpd kph f32 | 249.256897 | 249.256897 ± 0.5 | - |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 20 | 20 ± 0.04 | - |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 39.9920425 | 39.9920425 ± 0.0625 | • |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 51762 | 51762 ± 2 | - |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 1234 | 1234 ± 2 | • |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 910116864 | 910116864 | - |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 910116864 | 910116864 | • |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 2.50339508e-006 | 2.51327106e-006 ± 1.25663627181805E-06 | - |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000439703465 | 0.000439726253 ± 1.25663627181805E-06 | • |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 112.469505 | 112.469505 ± 0.2 | - |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 138.473877 | 138.473877 ± 0.5 | • |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 9.19094181 | 9.19094181 ± 0.04 | - |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 70.5879364 | 70.5879364 ± 0.0625 | • |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 45601 | 45601 ± 2 | - |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 16090 | 16090 ± 2 | • |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 910116864 | 910116864 | - |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 910116864 | 910116864 | • |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000791370869 | 0.000791368075 ± 1.25663627181805E-06 | • |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 7.53998756e-005 | 7.53953791e-005 ± 1.25663627181805E-06 | • |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000314116478 | 0.00031410993 ± 1.25663627181805E-06 | • |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0 | 0 | • |
| VehDyn SLPHwPos HwDeg M f32 | 0 | 0 | - |

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|---------------------------------------------|-------|---------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | ~ |
| GetSystemTime mS u32 | 1 | GetSystemTime mS u32 | 1 | ✓ |

| Test Step 2.73 (Repeat Count = 1) | v v |
|------------------------------------------------------------------|------------------------------------------------------------------------|
| Name | Input Value |
| GetSystemTime_mS_u32(CurrentTime) | tgt_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc) | target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn_2 |
| k_AutoCntrHiSpdCntrWindow_HwDeg_f32 | 40.3496017 |
| k_AutoCntrHiSpdFilt1Kn_Hz_f32 | 0.100000001 |
| k_AutoCntrHiSpdFilt2Kn_Hz_f32 | 0.0560000017 |
| k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32 | 31.3933392 |
| k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32 | 16.8332462 |
| k_AutoCntrHiSpdTimer1VehSpd_kph_f32 | 3.91197205 |
| k_AutoCntrHiSpdTimer1_mS_u16 | 49799 |
| k_AutoCntrHiSpdTimer2_mS_u16 | 1568 |
| k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32 | 46.9611549 |
| k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32 | 190.477554 |
| k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32 | 6.47036648 |
| k_AutoCntrHiSpdTimer4VehSpd_kph_f32 | 178.790085 |
| k_AutoCntrHiSpdTimer4_mS_u16 | 53632 |
| k_AutoCntrLoSpdCntrWindow_HwDeg_f32 | 50.4249611 |
| k_AutoCntrLoSpdFilt1Kn_Hz_f32 | 0.061999999 |
| k_AutoCntrLoSpdFilt2Kn_Hz_f32 | 0.00779999979 |
| k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32 | 114.137932 |
| k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32 | 1.6375922 |
| k_AutoCntrLoSpdTimer1VehSpd_kph_f32 | 109.448532 |
| k_AutoCntrLoSpdTimer1_mS_u16 | 37638 |





| Name | Input Value | | |
|------------------------------------------------------------------------|------------------------|----------------------------------------|-------|
| k_AutoCntrLoSpdTimer2_mS_u16 | 34521 | | |
| k_AutoCntrPinTrqLPFCoeffKn_Hz_f32 | 0.00499999989 | | |
| k_SLPEnableBFCheck_Cnt_lgc | 0 | | |
| k_SLPHwAuthority_Uls_f32 | 0.384000003 | | |
| target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 | 31.2339993 | | |
| target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc | 1 | | |
| target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc | 1 | | |
| target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset | target_Pim_MotPosReset | | |
| tgt_GetSystemTime_mS_u32_CurrentTime | 402713344 | | |
| Name | Actual Value | Expected Value | Resul |
| VehDyn AutoCntrDetSpd M str.MtrVel MtrRadpS f32 | 190.477554 | 190.477554 ± 0.2 | |
| VehDyn AutoCntrDetSpd M str.VehSpd kph f32 | 178.790085 | 178.790085 ± 0.5 | • |
| VehDyn AutoCntrDetSpd M str.FiltPinTrg HwNm f32 | 6.47036648 | 6.47036648 ± 0.04 | • |
| VehDyn AutoCntrDetSpd M str.CntrWindow HwDeg f32 | 46.9611549 | 46.9611549 ± 0.0625 | • |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 49799 | 49799 ± 2 | |
| VehDyn AutoCntrDetSpd M str.Timer2Thresh mS u16 | 53632 | 53632 ± 2 | |
| VehDyn AutoCntrDetSpd M str.Timer1 mS u32 | 402713344 | 402713344 | |
| VehDyn AutoCntrDetSpd M str.Timer2 mS u32 | 402713344 | 402713344 | |
| VehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32 | 0.000778794289 | 0.000778811518 ± 1.25663627181805E-06 | |
| VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32 | 9.7990036e-005 | 9.80128898e-005 ± 1.25663627181805E-06 | |
| VehDyn AutoCntrHiSpd M str.MtrVel MtrRadpS f32 | 31.3933392 | 31.3933392 ± 0.2 | |
| VehDyn AutoCntrHiSpd M str.VehSpd kph f32 | 3.91197205 | 3.91197205 ± 0.5 | |
| VehDyn AutoCntrHiSpd M str.FiltPinTrg HwNm f32 | 16.8332462 | 16.8332462 ± 0.04 | • |
| VehDyn AutoCntrHiSpd M str.CntrWindow HwDeg f32 | 40.3496017 | 40.3496017 ± 0.0625 | |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 49799 | 49799 ± 2 | |
| VehDyn AutoCntrHiSpd M str.Timer2Thresh mS u16 | 1568 | 1568 ± 2 | |
| VehDyn AutoCntrHiSpd M str.Timer1 mS u32 | 402713344 | 402713344 | |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 402713344 | 402713344 | |
| VehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32 | 0.00125586987 | 0.00125584786 ± 1.25663627181805E-06 | |
| VehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32 | 0.000703454018 | 0.00070346921 ± 1.25663627181805E-06 | |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 114.137932 | 114.137932 ± 0.2 | |
| VehDyn AutoCntrLoSpd M str.VehSpd kph f32 | 109.448532 | 109.448532 ± 0.5 | |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 1.6375922 | 1.63759208 ± 0.04 | |
| VehDyn AutoCntrLoSpd M str.CntrWindow HwDeg f32 | 50.4249611 | 50.4249611 ± 0.0625 | |
| VehDyn AutoCntrLoSpd M str.Timer1Thresh mS u16 | 37638 | 37638 ± 2 | |
| VehDyn AutoCntrLoSpd M str.Timer2Thresh mS u16 | 34521 | 34521 ± 2 | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 402713344 | 402713344 | |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 402713344 | 402713344 | • |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000778794289 | 0.000778811518 ± 1.25663627181805E-06 | • |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 9.7990036e-005 | 9.80128898e-005 ± 1.25663627181805E-06 | • |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 6.28232956e-005 | 6.28298803e-005 ± 1.25663627181805E-06 | • |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.384000003 | 0.384000003 | • |
| VehDyn SLPHwPos HwDeg M f32 | 31,2339993 | 31,2339993 | |

| T | | | | V |
|---------------------------------------------|-------|---------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | ~ |
| GetSvstemTime mS u32 | 1 | GetSystemTime mS u32 | 1 | ✓ |

| Test Step 2.74 (Repeat Count = 1) | ✓ |
|------------------------------------------------------------------|------------------------------------------------------------------------|
| Name | Input Value |
| GetSystemTime_mS_u32(CurrentTime) | tgt_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc) | target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn_2 |
| k_AutoCntrHiSpdCntrWindow_HwDeg_f32 | 99.1655273 |
| k_AutoCntrHiSpdFilt1Kn_Hz_f32 | 0.0250000004 |
| k_AutoCntrHiSpdFilt2Kn_Hz_f32 | 0.0350000001 |
| k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32 | 279.967194 |
| k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32 | 13.9828386 |
| k_AutoCntrHiSpdTimer1VehSpd_kph_f32 | 86.4936218 |
| k_AutoCntrHiSpdTimer1_mS_u16 | 49400 |
| k_AutoCntrHiSpdTimer2_mS_u16 | 1902 |
| k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32 | 19.041563 |
| k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32 | 179.741653 |
| k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32 | 0.99505949 |
| k_AutoCntrHiSpdTimer4VehSpd_kph_f32 | 156.046783 |
| k_AutoCntrHiSpdTimer4_mS_u16 | 48941 |
| k_AutoCntrLoSpdCntrWindow_HwDeg_f32 | 41.1003494 |
| k_AutoCntrLoSpdFilt1Kn_Hz_f32 | 0.00499999989 |
| k_AutoCntrLoSpdFilt2Kn_Hz_f32 | 0.00899999961 |





| Name | Input Value | | |
|------------------------------------------------------------------------|------------------------|----------------------------------------|----------|
| k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32 | 453.257568 | | |
| k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32 | 8.62326527 | | |
| k_AutoCntrLoSpdTimer1VehSpd_kph_f32 | 130.321442 | | |
| k_AutoCntrLoSpdTimer1_mS_u16 | 57817 | | |
| k_AutoCntrLoSpdTimer2_mS_u16 | 34611 | | |
| k AutoCntrPinTrqLPFCoeffKn Hz f32 | 0.00899999961 | | |
| k_SLPEnableBFCheck_Cnt_lgc | 1 | | |
| k_SLPHwAuthority_Uls_f32 | 0.390599996 | | |
| target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 | 7.20100021 | | |
| target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc | 0 | | |
| target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc | 0 | | |
| target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset | target_Pim_MotPosReset | | |
| tgt_GetSystemTime_mS_u32_CurrentTime | 4178051584 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn AutoCntrDetSpd M str.MtrVel MtrRadpS f32 | 179.741653 | 179.741653 ± 0.2 | ~ |
| VehDyn AutoCntrDetSpd M str.VehSpd kph f32 | 156.046783 | 156.046783 ± 0.5 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 0.99505949 | 0.99505949 ± 0.04 | - |
| VehDyn AutoCntrDetSpd M str.CntrWindow HwDeg f32 | 19.041563 | 19.041563 ± 0.0625 | V |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 49400 | 49400 ± 2 | - |
| VehDyn AutoCntrDetSpd M str.Timer2Thresh mS u16 | 48941 | 48941 ± 2 | ~ |
| VehDyn AutoCntrDetSpd M str.Timer1 mS u32 | 4178051584 | 4178051584 | - |
| VehDyn AutoCntrDetSpd M str.Timer2 mS u32 | 4178051584 | 4178051584 | ~ |
| VehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32 | 6.28232956e-005 | 6.28298803e-005 ± 1.25663627181805E-06 | ~ |
| VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32 | 0.000113070011 | 0.000113090937 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 279.967194 | 279.967194 ± 0.2 | ~ |
| VehDyn AutoCntrHiSpd M str.VehSpd kph f32 | 86.4936218 | 86.4936218 ± 0.5 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 13.9828386 | 13.9828386 ± 0.04 | - |
| VehDyn AutoCntrHiSpd M str.CntrWindow HwDeg f32 | 99.1655273 | 99.1655273 ± 0.0625 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 49400 | 49400 ± 2 | ~ |
| VehDyn AutoCntrHiSpd M str.Timer2Thresh mS u16 | 1902 | 1902 ± 2 | ~ |
| VehDyn AutoCntrHiSpd M str.Timer1 mS u32 | 4178051584 | 4178051584 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 4178051584 | 4178051584 | ~ |
| VehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32 | 0.000314116478 | 0.00031410993 ± 1.25663627181805E-06 | ~ |
| VehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32 | 0.000439703465 | 0.000439726253 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 453.257568 | 453.257568 ± 0.2 | ~ |
| VehDyn AutoCntrLoSpd M str.VehSpd kph f32 | 130.321442 | 130.321442 ± 0.5 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 8.62326527 | 8.62326527 ± 0.04 | ~ |
| VehDyn AutoCntrLoSpd M str.CntrWindow HwDeg f32 | 41.1003494 | 41.1003494 ± 0.0625 | ~ |
| VehDyn AutoCntrLoSpd M str.Timer1Thresh mS u16 | 57817 | 57817 ± 2 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 34611 | 34611 ± 2 | ~ |
| VehDyn AutoCntrLoSpd M str.Timer1 mS u32 | 4178051584 | 4178051584 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 4178051584 | 4178051584 | • |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 6.28232956e-005 | 6.28298803e-005 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000113070011 | 0.000113090937 ± 1.25663627181805E-06 | • |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000113070011 | 0.000113090937 ± 1.25663627181805E-06 | ~ |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0 | 0 | • |
| VehDyn_SLPHwPos_HwDeg_M_f32 | 0 | 0 | ~ |
| | - | | |

| Τ | | | | ✓ |
|---------------------------------------------|-------|---------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | ~ |
| GetSystemTime mS u32 | 1 | GetSystemTime mS u32 | 1 | ✓ |

| Test Step 2.75 (Repeat Count = 1) | ✓ |
|------------------------------------------------------------------|------------------------------------------------------------------------|
| Name | Input Value |
| GetSystemTime_mS_u32(CurrentTime) | tgt_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc) | target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn_2 |
| k_AutoCntrHiSpdCntrWindow_HwDeg_f32 | 64.989418 |
| k_AutoCntrHiSpdFilt1Kn_Hz_f32 | 0.0049999989 |
| k_AutoCntrHiSpdFilt2Kn_Hz_f32 | 0.000199999995 |
| k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32 | 144.154984 |
| k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32 | 11.458559 |
| k_AutoCntrHiSpdTimer1VehSpd_kph_f32 | 55.1080475 |
| k_AutoCntrHiSpdTimer1_mS_u16 | 50710 |
| k_AutoCntrHiSpdTimer2_mS_u16 | 2236 |
| k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32 | 56.9792366 |
| k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32 | 540.500305 |
| k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32 | 9.40114307 |
| k_AutoCntrHiSpdTimer4VehSpd_kph_f32 | 47.8860626 |





| Name | Input Value | | |
|--------------------------------------------------------------------------------------------------|------------------------|----------------------------------------|--------|
| k_AutoCntrHiSpdTimer4_mS_u16 | 41475 | | |
| k AutoCntrLoSpdCntrWindow HwDeg f32 | 95.4522934 | | |
| k AutoCntrLoSpdFilt1Kn Hz f32 | 0.00899999961 | | |
| k AutoCntrLoSpdFilt2Kn Hz f32 | 0.0344000012 | | |
| k AutoCntrLoSpdTimer1MtrVel MtrRadpS f32 | 287.461334 | | |
| k AutoCntrLoSpdTimer1PinTrg HwNm f32 | 7.12687922 | | |
| k AutoCntrLoSpdTimer1VehSpd kph f32 | 58.312088 | | |
| k AutoCntrLoSpdTimer1 mS u16 | 49661 | | |
| k AutoCntrLoSpdTimer2 mS u16 | 59445 | | |
| k AutoCntrPinTrqLPFCoeffKn Hz f32 | 0.00499999989 | | |
| k SLPEnableBFCheck Cnt Igc | 0 | | |
| k SLPHwAuthority Uls f32 | 0.397199988 | | |
| target Pim MotPosReset.NVMStoredLastPos HwDeg f32 | -16.8320007 | | |
| target Pim MotPosReset.NVMStoredLastPosValid Cnt Igc | 1 | | |
| target Rte Call Ap VehDyn NxtrDiagMgr GetNTCActive NTCActive Ptr T lgc | 1 | | |
| target Rte Inst Ap VehDyn 2.Pim MotPosReset | target Pim MotPosReset | | |
| tgt_GetSystemTime_mS_u32_CurrentTime | 4077829376 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn AutoCntrDetSpd M str.MtrVel MtrRadpS f32 | 540.500305 | 540.500305 ± 0.2 | Result |
| VehDyn AutoCntrDetSpd M str.VehSpd kph f32 | 47.8860626 | 47.8860626 ± 0.5 | |
| | 9.40114307 | 9.40114307 ± 0.04 | |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeq_f32 | 56.9792366 | 56.9792366 ± 0.0625 | |
| , = = = = = == | 50.9792366 | 50.9792366 ± 0.0625 50710 ± 2 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | | | |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 41475 | 41475 ± 2 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 4077829376 | 4077829376 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 4077829376 | 4077829376 | |
| VehDyn_AutoCottrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000113070011 | 0.000113090937 ± 1.25663627181805E-06 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000432193279 | 0.000432189729 ± 1.25663627181805E-06 | |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 144.154984 | 144.154984 ± 0.2 | |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 55.1080475 | 55.1080475 ± 0.5 | |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 11.458559 | 11.458559 ± 0.04 | |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 64.989418 | 64.989418 ± 0.0625 | |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 50710 | 50710 ± 2 | • |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 2236 | 2236 ± 2 | • |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 4077829376 | 4077829376 | • |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 4077829376 | 4077829376 | • |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 6.28232956e-005 | 6.28298803e-005 ± 1.25663627181805E-06 | • |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 2.50339508e-006 | 2.51327106e-006 ± 1.25663627181805E-06 | • |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 287.461334 | 287.461334 ± 0.2 | • |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 58.312088 | 58.312088 ± 0.5 | • |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 7.12687922 | 7.12687922 ± 0.04 | • |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 95.4522934 | 95.4522934 ± 0.0625 | • |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 49661 | 49661 ± 2 | • |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 59445 | 59445 ± 2 | • |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 4077829376 | 4077829376 | • |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 4077829376 | 4077829376 | • |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000113070011 | 0.000113090937 ± 1.25663627181805E-06 | • |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000432193279 | 0.000432189729 ± 1.25663627181805E-06 | • |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 6.28232956e-005 | 6.28298803e-005 ± 1.25663627181805E-06 | • |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.397199988 | 0.397199988 | • |
| VehDyn_SLPHwPos_HwDeg_M_f32 | -16.8320007 | -16.8320007 | - |

| Τ | | | | |
|---------------------------------------------|-------|---------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ✓ |

| Test Step 2.76 (Repeat Count = 1) | | |
|------------------------------------------------------------------|------------------------------------------------------------------------|--|
| Name | Input Value | |
| GetSystemTime_mS_u32(CurrentTime) | tgt_GetSystemTime_mS_u32_CurrentTime | |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc) | target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc | |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn_2 | |
| k_AutoCntrHiSpdCntrWindow_HwDeg_f32 | 87.8902435 | |
| k_AutoCntrHiSpdFilt1Kn_Hz_f32 | 0.00899999961 | |
| k_AutoCntrHiSpdFilt2Kn_Hz_f32 | 0.100000001 | |
| k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32 | 80.0510254 | |
| k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32 | 8.94539928 | |
| k_AutoCntrHiSpdTimer1VehSpd_kph_f32 | 124.186646 | |
| k_AutoCntrHiSpdTimer1_mS_u16 | 42690 | |
| k_AutoCntrHiSpdTimer2_mS_u16 | 2570 | |





| Name | Input Value | | |
|------------------------------------------------------------------------------------|------------------------|---------------------------------------|----------|
| k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32 | 23.81703 | | |
| k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32 | 531.758972 | | |
| k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32 | 6.92990065 | | |
| k_AutoCntrHiSpdTimer4VehSpd_kph_f32 | 245.5401 | | |
| k_AutoCntrHiSpdTimer4_mS_u16 | 34733 | | |
| k_AutoCntrLoSpdCntrWindow_HwDeg_f32 | 99.4496155 | | |
| k_AutoCntrLoSpdFilt1Kn_Hz_f32 | 0.0250000004 | | |
| k_AutoCntrLoSpdFilt2Kn_Hz_f32 | 0.0458000004 | | |
| k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32 | 289.349548 | | |
| k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32 | 14.9216394 | | |
| k_AutoCntrLoSpdTimer1VehSpd_kph_f32 | 158.512024 | | |
| k_AutoCntrLoSpdTimer1_mS_u16 | 33241 | | |
| k_AutoCntrLoSpdTimer2_mS_u16 | 55884 | | |
| k_AutoCntrPinTrqLPFCoeffKn_Hz_f32 | 0.00899999961 | | |
| k_SLPEnableBFCheck_Cnt_lgc | 1 | | |
| k_SLPHwAuthority_Uls_f32 | 0.403800011 | | |
| target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 | -40.8650017 | | |
| target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc | 0 | | |
| $target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc$ | 0 | | |
| target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset | target_Pim_MotPosReset | | |
| tgt_GetSystemTime_mS_u32_CurrentTime | 2644937728 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 531.758972 | 531.758972 ± 0.2 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 245.5401 | 245.5401 ± 0.5 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 6.92990065 | 6.92990065 ± 0.04 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 23.81703 | 23.81703 ± 0.0625 | • |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 42690 | 42690 ± 2 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 34733 | 34733 ± 2 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 2644937728 | 2644937728 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 2644937728 | 2644937728 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000314116478 | 0.00031410993 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000575363636 | 0.000575374172 ± 1.25663627181805E-06 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 80.0510254 | 80.0510254 ± 0.2 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 124.186646 | 124.186646 ± 0.5 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 8.94539928 | 8.94539928 ± 0.04 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 87.8902435 | 87.8902435 ± 0.0625 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 42690 | 42690 ± 2 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 2570 | 2570 ± 2 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 2644937728 | 2644937728 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 2644937728 | 2644937728 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000113070011 | 0.000113090937 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.00125586987 | 0.00125584786 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 289.349548 | 289.349548 ± 0.2 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 158.512024 | 158.512024 ± 0.5 | • |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 14.9216394 | 14.9216394 ± 0.04 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 99.4496155 | 99.4496155 ± 0.0625 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 33241 | 33241 ± 2 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 55884 | 55884 ± 2 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 2644937728 | 2644937728 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 2644937728 | 2644937728 | • |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000314116478 | 0.00031410993 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000575363636 | 0.000575374172 ± 1.25663627181805E-06 | • |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000113070011 | 0.000113090937 ± 1.25663627181805E-06 | ~ |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0 | 0 | ~ |
| VehDyn_SLPHwPos_HwDeg_M_f32 | 0 | 0 | |

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|---------------------------------------------|-------|---------------------------------------------|-------|--------|--|
| Actual Function | Count | Expected Function | Count | Result | |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | ~ | |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | • | |

| Test Step 2.77 (Repeat Count = 1) | | |
|------------------------------------------------------------------|------------------------------------------------------------------------|--|
| Name | Input Value | |
| GetSystemTime_mS_u32(CurrentTime) | tgt_GetSystemTime_mS_u32_CurrentTime | |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc) | target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc | |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn_2 | |
| k_AutoCntrHiSpdCntrWindow_HwDeg_f32 | 24.5077915 | |
| k_AutoCntrHiSpdFilt1Kn_Hz_f32 | 0.00499999989 | |
| k_AutoCntrHiSpdFilt2Kn_Hz_f32 | 0.000300000014 | |
| k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32 | 416.42218 | |





| Name | Input Value | | |
|-------------------------------------------------------------------------------------------------|--------------------------|----------------------------------------|----------|
| k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32 | 8.68037319 | | |
| k_AutoCntrHiSpdTimer1VehSpd_kph_f32 | 168.185226 | | |
| k_AutoCntrHiSpdTimer1_mS_u16 | 30272 | | |
| k_AutoCntrHiSpdTimer2_mS_u16 | 2904 | | |
| k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32 | 51.7886963 | | |
| k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32 | 272.816681 | | |
| k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32 | 13.0401011 | | |
| k_AutoCntrHiSpdTimer4VehSpd_kph_f32 | 209.062363 | | |
| k_AutoCntrHiSpdTimer4_mS_u16 | 3628 59.735672 | | |
| k_AutoCntrLoSpdCntrWindow_HwDeg_f32 | | | |
| k_AutoCntrLoSpdFilt1Kn_Hz_f32 | 0.063000001 | | |
| k_AutoCntrLoSpdFilt2Kn_Hz_f32 | 0.00499999989 | | |
| k_AutoCntrloSpdTimer1MtrVel_MtrRadpS_f32 | 499.624054 6.55805016 | | |
| k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32 k_AutoCntrLoSpdTimer1VehSpd_kph_f32 | 125.396591 | | |
| | 36412 | | |
| k_AutoCntrLoSpdTimer1_mS_u16 k_AutoCntrLoSpdTimer2_mS_u16 | 14998 | | |
| k_AutoCntrPinTrqLPFCoeffKn_Hz_f32 | 0.00499999989 | | |
| k SLPEnableBFCheck Cnt lgc | 0 | | |
| k SLPHwAuthority Uls f32 | 0.410400003 | | |
| target Pim MotPosReset.NVMStoredLastPos HwDeg f32 | -64.8980026 | | |
| target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc | 1 | | |
| target Rte Call Ap VehDyn NxtrDiagMgr GetNTCActive NTCActive Ptr T lgc | 1 | | |
| target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset | target Pim MotPosReset | | |
| tgt GetSystemTime mS u32 CurrentTime | 2212175616 | | |
| Name | Actual Value | Expected Value | Result |
| | | 272.816681 ± 0.2 | Result |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 272.816681 209.062363 | 272.816081 ± 0.2 209.062363 ± 0.5 | - |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 13.0401011 | 13.0401011 ± 0.04 | |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 51.7886963 | 51.7886963 ± 0.0625 | - |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 30272 | 30272 ± 2 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 3628 | 3628 ± 2 | - |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 2212175616 | 2212175616 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 2212175616 | 2212175616 | - |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000791370869 | 0.000791368075 ± 1.25663627181805E-06 | |
| VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32 | 6.28232956e-005 | 6.28298803e-005 ± 1.25663627181805E-06 | - |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 416.42218 | 416.42218 ± 0.2 | _ |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 168.185226 | 168.185226 ± 0.5 | • |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 8.68037319 | 8.68037319 ± 0.04 | _ |
| VehDyn AutoCntrHiSpd M str.CntrWindow HwDeg f32 | 24.5077915 | 24.5077915 ± 0.0625 | • |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 30272 | 30272 ± 2 | _ |
| VehDyn AutoCntrHiSpd M str.Timer2Thresh mS u16 | 2904 | 2904 ± 2 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 2212175616 | 2212175616 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 2212175616 | 2212175616 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 6.28232956e-005 | 6.28298803e-005 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 3.75509262e-006 | 3.76990397e-006 ± 1.25663627181805E-06 | • |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 499.624054 | 499.624054 ± 0.2 | ~ |
| VehDyn AutoCntrLoSpd M str.VehSpd kph f32 | 125.396591 | 125.396591 ± 0.5 | • |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 6.55805016 | 6.55805016 ± 0.04 | ~ |
| VehDyn AutoCntrLoSpd M str.CntrWindow HwDeg f32 | 59.735672 | 59.735672 ± 0.0625 | • |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 36412 | 36412 ± 2 | - |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 14998 | 14998 ± 2 | • |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 2212175616 | 2212175616 | - |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 2212175616 | 2212175616 | • |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000791370869 | 0.000791368075 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 6.28232956e-005 | 6.28298803e-005 ± 1.25663627181805E-06 | • |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 6.28232956e-005 | 6.28298803e-005 ± 1.25663627181805E-06 | ~ |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.410400003 | 0.410400003 | • |
| VehDyn_SLPHwPos_HwDeg_M_f32 | -64.8980026 | -64.8980026 | ~ |
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|---------------------------------------------|-------|---------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ✓ |

| Test Step 2.78 (Repeat Count = 1) | · · · · · · · · · · · · · · · · · · · |
|------------------------------------------------------------------|------------------------------------------------------------------------|
| Name | Input Value |
| GetSystemTime_mS_u32(CurrentTime) | tgt_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc) | target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn_2 |





| Name | Input Value | | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| k AutoCntrHiSpdCntrWindow HwDeg f32 | 91.3826141 | | |
| k_AutoCntrHiSpdFilt1Kn_Hz_f32 | 0.00520000001 | | |
| k AutoCntrHiSpdFilt2Kn Hz f32 | 0.00499999989 | | |
| k AutoCntrHiSpdTimer1MtrVel MtrRadpS f32 | 683.818359 | | |
| k AutoCntrHiSpdTimer1PinTrq HwNm f32 | 0.0764636993 | | |
| | | | |
| k_AutoCntrHiSpdTimer1VehSpd_kph_f32 | 34.4863586 | | |
| k_AutoCntrHiSpdTimer1_mS_u16 | 23210 | | |
| k_AutoCntrHiSpdTimer2_mS_u16 | 3238 | | |
| k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32 | 75.1060562 | | |
| k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32 | 108.829964 | | |
| k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32 | 7.80758381 | | |
| k_AutoCntrHiSpdTimer4VehSpd_kph_f32 | 169.04245 | | |
| k_AutoCntrHiSpdTimer4_mS_u16 | 7187 | | |
| k_AutoCntrLoSpdCntrWindow_HwDeg_f32 | 53.7309608 | | |
| k_AutoCntrLoSpdFilt1Kn_Hz_f32 | 0.0320999995 | | |
| k_AutoCntrLoSpdFilt2Kn_Hz_f32 | 0.00899999961 | | |
| k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32 | 228.670547 | | |
| k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32 | 16.7742443 | | |
| k_AutoCntrLoSpdTimer1VehSpd_kph_f32 | 174.289764 | | |
| k_AutoCntrLoSpdTimer1_mS_u16 | 11413 | | |
| k_AutoCntrLoSpdTimer2_mS_u16 | 48604 | | |
| k_AutoCntrPinTrqLPFCoeffKn_Hz_f32 | 0.000199999995 | | |
| k_SLPEnableBFCheck_Cnt_lgc | 1 | | |
| k_SLPHwAuthority_Uls_f32 | 0.416999996 | | |
| target Pim MotPosReset.NVMStoredLastPos HwDeg f32 | -88.9309998 | | |
| target Pim MotPosReset.NVMStoredLastPosValid Cnt Igc | 0 | | |
| target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc | 0 | | |
| target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset | target_Pim_MotPosReset | | |
| tgt_GetSystemTime_mS_u32_CurrentTime | 2059598336 | | |
| Name | Actual Value | Expected Value | Result |
| | | 108.829964 ± 0.2 | Result |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 108.829964 | | - |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 169.04245 | 169.04245 ± 0.5 | |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 7.80758381 | 7.80758381 ± 0.04 | - |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 75.1060562 | 75.1060562 ± 0.0625 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 23210 | 23210 ± 2 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 7187 | 7187 ± 2 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 2059598336 | 2059598336 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 2059598336 | 2059598336 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000403285027 | 0.000403299142 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000113070011 | 0.000113090937 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 683.818359 | 683.818359 ± 0.2 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 34.4863586 | 34.4863586 ± 0.5 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 0.0764636993 | 0.0764636993 ± 0.04 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 91.3826141 | 91.3826141 ± 0.0625 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 23210 | 23210 ± 2 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 3238 | 3238 ± 2 | • |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 2059598336 | 2059598336 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 2059598336 | 2059598336 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 6.53266907e-005 | 6.53429888e-005 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 6.28232956e-005 | 6.28298803e-005 ± 1.25663627181805E-06 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 228.670547 | 228.670547 ± 0.2 | _ |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 174.289764 | 174.289764 ± 0.5 | _ |
| VehDyn AutoCntrLoSpd M str.FiltPinTrg HwNm f32 | 16.7742443 | 16.7742443 ± 0.04 | - |
| VehDyn AutoCntrLoSpd M str.CntrWindow HwDeg f32 | 53.7309608 | 53.7309608 ± 0.0625 | V |
| VehDyn AutoCntrLoSpd M str.Timer1Thresh mS u16 | 11413 | 11413 ± 2 | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 48604 | 48604 ± 2 | ~ |
| Vehicyii Autochticoopu ivi sti. Hillerz IIIIesii IIIo U10 | | | |
| | | 2059598336 | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 2059598336 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 2059598336 | 2059598336 | V |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 2059598336 0.000403285027 | 2059598336 0.000403299142 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 2059598336 0.000403285027 0.000113070011 | 2059598336 0.000403299142 ± 1.25663627181805E-06 0.000113090937 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_PinTrqSV_M_str.K_Uls_f32 | 2059598336 0.000403285027 0.000113070011 2.50339508e-006 | 2059598336 0.000403299142 ± 1.25663627181805E-06 0.000113090937 ± 1.25663627181805E-06 2.51327106e-006 ± 1.25663627181805E-06 | \rightarrow \frac{1}{\rightarrow \frac{1}{\rightarr |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 2059598336 0.000403285027 0.000113070011 | 2059598336 0.000403299142 ± 1.25663627181805E-06 0.000113090937 ± 1.25663627181805E-06 | ~ |

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|---------------------------------------------|-------|---------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ✓ |





| Test Step 2.79 (Repeat Count = 1) | | | ✓ |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|
| Name | Input Value | | |
| GetSystemTime_mS_u32(CurrentTime) | tgt_GetSystemTime_mS_u32_CurrentTime | | |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc) | target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_ | GetNTCActive_NTCActive_Ptr_T_lgc | |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn_2 | | |
| k_AutoCntrHiSpdCntrWindow_HwDeg_f32 | 77.5132141 | | |
| k_AutoCntrHiSpdFilt1Kn_Hz_f32 | 0.0350000001 | | |
| k_AutoCntrHiSpdFilt2Kn_Hz_f32 | 0.00899999961 | | |
| k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32 | 39.0381813 5.52265358 | | |
| k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32 k_AutoCntrHiSpdTimer1VehSpd_kph_f32 | 232.692337 | | |
| k_AutoCntrHiSpdTimer1_mS_u16 | 38590 | | |
| k_AutoCntrHiSpdTimer2_mS_u16 | 3572 | | |
| k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32 | 5.39439726 | | |
| k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32 | 400.168243 | | |
| k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32 | 19.648386 | | |
| k_AutoCntrHiSpdTimer4VehSpd_kph_f32 | 17.4615631 | | |
| k_AutoCntrHiSpdTimer4_mS_u16 | 37023 | | |
| k_AutoCntrLoSpdCntrWindow_HwDeg_f32 | 62.1222305 | | |
| k_AutoCntrLoSpdFilt1Kn_Hz_f32 | 0.0850000009 | | |
| k_AutoCntrLoSpdFilt2Kn_Hz_f32 | 0.0250000004 | | |
| k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32 | 443.858398 | | |
| k_AutoCntrl_oSpdTimer1VohSpd_kph_f32 | 3.18688083 226.96962 | | |
| k_AutoCntrLoSpdTimer1VehSpd_kph_f32 k_AutoCntrLoSpdTimer1_mS_u16 | 54120 | | |
| k AutoCntrLoSpdTimer2 mS u16 | 46193 | | |
| k_AutoCntrPinTrqLPFCoeffKn_Hz_f32 | 0.100000001 | | |
| k_SLPEnableBFCheck_Cnt_lgc | 0 | | |
| k_SLPHwAuthority_Uls_f32 | 0.423599988 | | |
| target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 | -112.963997 | | |
| target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc | 1 | | |
| $target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc$ | 1 | | |
| target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset | target_Pim_MotPosReset | | |
| tgt_GetSystemTime_mS_u32_CurrentTime | 800969984 | | |
| | | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 400.168243 | 400.168243 ± 0.2 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 400.168243 17.4615631 | 400.168243 ± 0.2 17.4615631 ± 0.5 | * |
| VehDyn_AutoCntrDetSpd_M_str.WtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 400.168243 17.4615631 19.648386 | 400.168243 ± 0.2 17.4615631 ± 0.5 19.648386 ± 0.04 | * |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 400.168243 17.4615631 19.648386 5.39439726 | 400.168243 ± 0.2 17.4615631 ± 0.5 19.648386 ± 0.04 5.39439726 ± 0.0625 | \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 400.168243 17.4615631 19.648386 5.39439726 38590 | 400.168243 ± 0.2 17.4615631 ± 0.5 19.648386 ± 0.04 5.39439726 ± 0.0625 38590 ± 2 | \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 400.168243 17.4615631 19.648386 5.39439726 38590 37023 | 400.168243 ± 0.2 17.4615631 ± 0.5 19.648386 ± 0.04 5.39439726 ± 0.0625 38590 ± 2 37023 ± 2 | \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 400.168243 17.4615631 19.648386 5.39439726 38590 37023 800969984 | 400.168243 ± 0.2 17.4615631 ± 0.5 19.648386 ± 0.04 5.39439726 ± 0.0625 38590 ± 2 | \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 400.168243 17.4615631 19.648386 5.39439726 38590 37023 | 400.168243 ± 0.2 17.4615631 ± 0.5 19.648386 ± 0.04 5.39439726 ± 0.0625 38590 ± 2 37023 ± 2 800969984 | *** |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 400.168243 17.4615631 19.648386 5.39439726 38590 37023 800969984 800969984 | 400.168243 ± 0.2 17.4615631 ± 0.5 19.648386 ± 0.04 5.39439726 ± 0.0625 38590 ± 2 37023 ± 2 800969984 800969984 | *** |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 400.168243 17.4615631 19.648386 5.39439726 38590 37023 800969984 800969984 0.00106757879 | 400.168243 ± 0.2 17.4615631 ± 0.5 19.648386 ± 0.04 5.39439726 ± 0.0625 38590 ± 2 37023 ± 2 800969984 800969984 0.00106757123 ± 1.25663627181805E-06 | *************************************** |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 400.168243 17.4615631 19.648386 5.39439726 38590 37023 800969984 800969984 0.00106757879 0.000314116478 | 400.168243 ± 0.2 17.4615631 ± 0.5 19.648386 ± 0.04 5.39439726 ± 0.0625 38590 ± 2 37023 ± 2 800969984 800969984 0.00106757123 ± 1.25663627181805E-06 0.00031410993 ± 1.25663627181805E-06 | *************************************** |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 400.168243 17.4615631 19.648386 5.39439726 38590 37023 800969984 800969984 0.00106757879 0.000314116478 39.0381813 | 400.168243 ± 0.2 17.4615631 ± 0.5 19.648386 ± 0.04 5.39439726 ± 0.0625 38590 ± 2 37023 ± 2 800969984 800969984 0.00106757123 ± 1.25663627181805E-06 0.00031410993 ± 1.25663627181805E-06 39.0381813 ± 0.2 | *************************************** |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 400.168243 17.4615631 19.648386 5.39439726 38590 37023 800969984 800969984 0.00106757879 0.000314116478 39.0381813 232.692337 | 400.168243 ± 0.2 17.4615631 ± 0.5 19.648386 ± 0.04 5.39439726 ± 0.0625 38590 ± 2 37023 ± 2 800969984 800969984 0.00106757123 ± 1.25663627181805E-06 0.00031410993 ± 1.25663627181805E-06 39.0381813 ± 0.2 232.692337 ± 0.5 | *************************************** |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 400.168243 17.4615631 19.648386 5.39439726 38590 37023 800969984 800969984 0.00106757879 0.000314116478 39.0381813 232.692337 5.52265358 77.5132141 38590 | 400.168243 ± 0.2 17.4615631 ± 0.5 19.648386 ± 0.04 5.39439726 ± 0.0625 38590 ± 2 37023 ± 2 800969984 800969984 0.00106757123 ± 1.25663627181805E-06 0.00031410993 ± 1.25663627181805E-06 39.0381813 ± 0.2 232.692337 ± 0.5 5.52265358 ± 0.04 77.5132141 ± 0.0625 38590 ± 2 | *************************************** |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 400.168243 17.4615631 19.648386 5.39439726 38590 37023 800969984 800969984 0.00106757879 0.000314116478 39.0381813 232.692337 5.52265358 77.5132141 38590 3572 | 400.168243 ± 0.2 17.4615631 ± 0.5 19.648386 ± 0.04 5.39439726 ± 0.0625 38590 ± 2 37023 ± 2 800969984 800969984 0.00106757123 ± 1.25663627181805E-06 0.00031410993 ± 1.25663627181805E-06 39.0381813 ± 0.2 232.692337 ± 0.5 5.52265358 ± 0.04 77.5132141 ± 0.0625 38590 ± 2 3572 ± 2 | *************************************** |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 400.168243 17.4615631 19.648386 5.39439726 38590 37023 800969984 800969984 0.00106757879 0.000314116478 39.0381813 232.692337 5.52265358 77.5132141 38590 3572 800969984 | 400.168243 ± 0.2 17.4615631 ± 0.5 19.648386 ± 0.04 5.39439726 ± 0.0625 38590 ± 2 37023 ± 2 800969984 800969984 0.00106757123 ± 1.25663627181805E-06 0.00031410993 ± 1.25663627181805E-06 39.0381813 ± 0.2 232.692337 ± 0.5 5.52265358 ± 0.04 77.5132141 ± 0.0625 38590 ± 2 3072 ± 2 800969984 | *************************************** |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 400.168243 17.4615631 19.648386 5.39439726 38590 37023 800969984 800969984 0.00106757879 0.000314116478 39.0381813 232.692337 5.52265358 77.5132141 38590 3572 800969984 800969984 | 400.168243 ± 0.2 17.4615631 ± 0.5 19.648386 ± 0.04 5.39439726 ± 0.0625 38590 ± 2 37023 ± 2 800969984 800969984 0.00106757123 ± 1.25663627181805E-06 0.00031410993 ± 1.25663627181805E-06 39.0381813 ± 0.2 232.692337 ± 0.5 5.52265358 ± 0.04 77.5132141 ± 0.0625 38590 ± 2 3572 ± 2 800969984 800969984 | *************************************** |
| VehDyn_AutoCntrDetSpd_M_str.WthSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.WthVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 400.168243 17.4615631 19.648386 5.39439726 38590 37023 800969984 800969984 0.00106757879 0.000314116478 39.0381813 23.692337 5.52265358 77.5132141 38590 3572 800969984 800969984 800969984 | 400.168243 ± 0.2 17.4615631 ± 0.5 19.648386 ± 0.04 5.39439726 ± 0.0625 38590 ± 2 37023 ± 2 800969984 800969984 0.00106757123 ± 1.25663627181805E-06 0.00031410993 ± 1.25663627181805E-06 39.0381813 ± 0.2 232.692337 ± 0.5 5.52265358 ± 0.04 77.5132141 ± 0.0625 38590 ± 2 3572 ± 2 800969984 800969984 800969984 0.000439726253 ± 1.25663627181805E-06 | *************** |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 400.168243 17.4615631 19.648386 5.39439726 38590 37023 800969984 800969984 0.00106757879 0.000314116478 39.0381813 232.692337 5.52265358 77.5132141 38590 3572 800969984 800969984 800969984 0.000439703465 0.000113070011 | 400.168243 ± 0.2 17.4615631 ± 0.5 19.648386 ± 0.04 5.39439726 ± 0.0625 38590 ± 2 37023 ± 2 800969984 800969984 0.00106757123 ± 1.25663627181805E-06 0.00031410993 ± 1.25663627181805E-06 39.0381813 ± 0.2 232.692337 ± 0.5 5.52265358 ± 0.04 77.5132141 ± 0.0625 38590 ± 2 3572 ± 2 800969984 800969984 0.000439726253 ± 1.25663627181805E-06 0.000113090937 ± 1.25663627181805E-06 | *************************************** |
| VehDyn_AutoCntrDetSpd_M_str.WtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Wtvel_MtrRadps_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u20 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 400.168243 17.4615631 19.648386 5.39439726 38590 37023 800969984 800969984 0.00106757879 0.000314116478 39.0381813 232.692337 5.52265358 77.5132141 38590 3572 800969984 800969984 800969984 0.000439703465 0.000113070011 443.858398 | 400.168243 ± 0.2 17.4615631 ± 0.5 19.648386 ± 0.04 5.39439726 ± 0.0625 38590 ± 2 37023 ± 2 800969984 800969984 0.00106757123 ± 1.25663627181805E-06 0.00031410993 ± 1.25663627181805E-06 39.0381813 ± 0.2 232.692337 ± 0.5 5.52265358 ± 0.04 77.5132141 ± 0.0625 38590 ± 2 3572 ± 2 800969984 800969984 800969984 0.000439726253 ± 1.25663627181805E-06 0.000113090937 ± 1.25663627181805E-06 443.858398 ± 0.2 | *************** |
| VehDyn_AutoCntrDetSpd_M_str.WtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Wtvel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.NelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.NelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDoSpd_M_str.VehSpd_kph_f32 | 400.168243 17.4615631 19.648386 5.39439726 38590 37023 800969984 800969984 0.00106757879 0.000314116478 39.0381813 232.692337 5.52265358 77.5132141 38590 3572 800969984 800969984 800969984 0.000439703465 0.000113070011 443.858398 226.96962 | 400.168243 ± 0.2 17.4615631 ± 0.5 19.648386 ± 0.04 5.39439726 ± 0.0625 38590 ± 2 37023 ± 2 800969984 800969984 0.00106757123 ± 1.25663627181805E-06 0.00031410993 ± 1.25663627181805E-06 39.0381813 ± 0.2 232.692337 ± 0.5 5.52265358 ± 0.04 77.5132141 ± 0.0625 38590 ± 2 3572 ± 2 800969984 800969984 800969984 0.000439726253 ± 1.25663627181805E-06 0.000113090937 ± 1.25663627181805E-06 443.858398 ± 0.2 226.96962 ± 0.5 | *************************************** |
| VehDyn_AutoCntrDetSpd_M_str.NtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Wtvel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.NtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 400.168243 17.4615631 19.648386 5.39439726 38590 37023 800969984 800969984 0.00106757879 0.000314116478 39.0381813 232.692337 5.52265358 77.5132141 38590 3572 800969984 800969984 800969984 0.000439703465 0.000113070011 443.858398 | 400.168243 ± 0.2 17.4615631 ± 0.5 19.648386 ± 0.04 5.39439726 ± 0.0625 38590 ± 2 37023 ± 2 800969984 800969984 0.00106757123 ± 1.25663627181805E-06 0.00031410993 ± 1.25663627181805E-06 39.0381813 ± 0.2 232.692337 ± 0.5 5.52265358 ± 0.04 77.5132141 ± 0.0625 38590 ± 2 3572 ± 2 800969984 800969984 800969984 0.000439726253 ± 1.25663627181805E-06 0.000113090937 ± 1.25663627181805E-06 443.858398 ± 0.2 | *************************************** |
| VehDyn_AutoCntrDetSpd_M_str.WtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Wtvel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.NelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.NelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDoSpd_M_str.VehSpd_kph_f32 | 400.168243 17.4615631 19.648386 5.39439726 38590 37023 800969984 800969984 0.00106757879 0.000314116478 39.0381813 232.692337 5.52265358 77.5132141 38590 3572 800969984 800969984 800969984 0.000439703465 0.000113070011 443.858398 226.96962 3.18688083 | 400.168243 ± 0.2 17.4615631 ± 0.5 19.648386 ± 0.04 5.39439726 ± 0.0625 38590 ± 2 37023 ± 2 800969984 800969984 0.00106757123 ± 1.25663627181805E-06 0.00031410993 ± 1.25663627181805E-06 39.0381813 ± 0.2 232.692337 ± 0.5 5.52265358 ± 0.04 77.5132141 ± 0.0625 38590 ± 2 3672 ± 2 800969984 800969984 800969984 0.000439726253 ± 1.25663627181805E-06 0.000113090937 ± 1.25663627181805E-06 443.858398 ± 0.2 226.96962 ± 0.5 3.18688083 ± 0.04 | *************************************** |
| VehDyn_AutoCntrDetSpd_M_str.WtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.WtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.NtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 400.168243 17.4615631 19.648386 5.39439726 38590 37023 800969984 800969984 0.00106757879 0.000314116478 39.0381813 232.692337 5.52265358 77.5132141 38590 3572 800969984 800969984 800969984 0.000439703465 0.000113070011 443.858398 226.96962 3.18688083 62.1222305 | 400.168243 ± 0.2 17.4615631 ± 0.5 19.648386 ± 0.04 5.39439726 ± 0.0625 38590 ± 2 37023 ± 2 800969984 800969984 0.00106757123 ± 1.25663627181805E-06 0.00031410993 ± 1.25663627181805E-06 39.0381813 ± 0.2 232.692337 ± 0.5 5.52265358 ± 0.04 77.5132141 ± 0.0625 38590 ± 2 3672 ± 2 800969984 800969984 0.000439726253 ± 1.25663627181805E-06 0.000113090937 ± 1.25663627181805E-06 443.858398 ± 0.2 226.96962 ± 0.5 3.18688083 ± 0.04 62.1222305 ± 0.0625 | |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u36 | 400.168243 17.4615631 19.648386 5.39439726 38590 37023 800969984 800969984 0.00106757879 0.000314116478 39.0381813 23.692337 5.52265358 77.5132141 38590 3572 800969984 800969984 800969984 0.000439703465 0.000113070011 443.858398 226.96962 3.18688083 62.1222305 54120 | 400.168243 ± 0.2 17.4615631 ± 0.5 19.648386 ± 0.04 5.39439726 ± 0.0625 38590 ± 2 37023 ± 2 800969984 800969984 0.00106757123 ± 1.25663627181805E-06 0.00031410993 ± 1.25663627181805E-06 39.0381813 ± 0.2 232.692337 ± 0.5 5.52265358 ± 0.04 77.5132141 ± 0.0625 38590 ± 2 38590 ± 2 800969984 800969984 800969984 0.000439726253 ± 1.25663627181805E-06 0.000113090937 ± 1.25663627181805E-06 443.858398 ± 0.2 226.96962 ± 0.5 3.18688083 ± 0.04 62.1222305 ± 0.0625 54120 ± 2 | |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.NelSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 400.168243 17.4615631 19.648386 5.39439726 38590 37023 800969984 800969984 0.00106757879 0.000314116478 39.0381813 23.6692337 5.52265358 77.5132141 38590 3572 800969984 800969984 800969984 0.000439703465 0.000113070011 443.858398 226.96962 3.18688083 62.1222305 54120 46193 | 400.168243 ± 0.2 17.4615631 ± 0.5 19.648386 ± 0.04 5.39439726 ± 0.0625 38590 ± 2 37023 ± 2 800969984 800969984 0.00106757123 ± 1.25663627181805E-06 0.00031410993 ± 1.25663627181805E-06 39.0381813 ± 0.2 232.692337 ± 0.5 5.52265358 ± 0.04 77.5132141 ± 0.0625 38590 ± 2 380969984 800969984 800969984 0.000439726253 ± 1.25663627181805E-06 0.000113090937 ± 1.25663627181805E-06 443.858398 ± 0.2 226.96962 ± 0.5 3.18688083 ± 0.04 62.1222305 ± 0.0625 54120 ± 2 46193 ± 2 | |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.WtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.NtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.NtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 400.168243 17.4615631 19.648386 5.39439726 38590 37023 800969984 800969984 0.00106757879 0.000314116478 39.0381813 23.662337 5.52265358 77.5132141 38590 3572 800969984 800969984 0.000439703465 0.000113070011 443.858398 226.96962 3.18688083 62.1222305 54120 46193 800969984 | 400.168243 ± 0.2 17.4615631 ± 0.5 19.648386 ± 0.04 5.39439726 ± 0.0625 38590 ± 2 37023 ± 2 800969984 800969984 0.00106757123 ± 1.25663627181805E-06 0.00031410993 ± 1.25663627181805E-06 39.0381813 ± 0.2 232.692337 ± 0.5 5.52265358 ± 0.04 77.5132141 ± 0.0625 38590 ± 2 380969984 800969984 0.000439726253 ± 1.25663627181805E-06 0.000113090937 ± 1.25663627181805E-06 443.858398 ± 0.2 226.96962 ± 0.5 3.18688083 ± 0.04 62.1222305 ± 0.0625 54120 ± 2 46193 ± 2 800969984 | |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.WehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.NelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.NelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.NelHwPosFilt3SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1_ms_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M | 400.168243 17.4615631 19.648386 5.39439726 38590 37023 800969984 800969984 0.00106757879 0.000314116478 39.0381813 232.692337 5.52265358 77.5132141 38590 3572 800969984 800969984 0.000439703465 0.000113070011 443.858398 226.96962 3.18688083 62.1222305 54120 46193 800969984 800969984 800969984 800969984 800969984 800969984 800969984 800969984 800969984 | 400.168243 ± 0.2 17.4615631 ± 0.5 19.648386 ± 0.04 5.39439726 ± 0.0625 38590 ± 2 37023 ± 2 800969984 800969984 0.00106757123 ± 1.25663627181805E-06 0.00031410993 ± 1.25663627181805E-06 39.0381813 ± 0.2 232.692337 ± 0.5 5.52265358 ± 0.04 77.5132141 ± 0.0625 38590 ± 2 3572 ± 2 800969984 800969984 0.000439726253 ± 1.25663627181805E-06 4.3858398 ± 0.2 226.96962 ± 0.5 3.18688083 ± 0.04 62.1222305 ± 0.0625 54120 ± 2 46193 ± 2 800969984 800969984 800969984 800969984 0.00106757123 ± 1.25663627181805E-06 0.0001140909375123 ± 1.25663627181805E-06 0.000106757123 ± 1.25663627181805E-06 | |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.WetNepS_kph_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.NehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.NehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2 | 400.168243 17.4615631 19.648386 5.39439726 38590 37023 800969984 800969984 0.00106757879 0.000314116478 39.0381813 232.692337 5.52265358 77.5132141 38590 3572 800969984 800969984 0.000439703465 0.000113070011 443.858398 226.96962 3.18688083 62.1222305 54120 46193 800969984 800969984 800969984 800969984 800969984 800969984 800969984 800969984 800969984 800969984 800969984 800969984 0.00106757879 0.000314116478 0.00125586987 | 400.168243 ± 0.2 17.4615631 ± 0.5 19.648386 ± 0.04 5.39439726 ± 0.0625 38590 ± 2 37023 ± 2 800969984 800969984 0.00106757123 ± 1.25663627181805E-06 0.00031410993 ± 1.25663627181805E-06 39.0381813 ± 0.2 232.692337 ± 0.5 5.52265358 ± 0.04 77.5132141 ± 0.0625 38590 ± 2 3572 ± 2 800969984 800969984 0.000439726253 ± 1.25663627181805E-06 4.3.858398 ± 0.2 226.96962 ± 0.5 3.18688083 ± 0.04 62.1222305 ± 0.0625 54120 ± 2 46193 ± 2 800969984 800969984 0.00106757123 ± 1.25663627181805E-06 0.00031410993 ± 1.25663627181805E-06 0.00031410993 ± 1.25663627181805E-06 0.00031410993 ± 1.25663627181805E-06 0.00031410993 ± 1.25663627181805E-06 | |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.WehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.NelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.NelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.NelHwPosFilt3SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1_ms_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M | 400.168243 17.4615631 19.648386 5.39439726 38590 37023 800969984 800969984 0.00106757879 0.000314116478 39.0381813 232.692337 5.52265358 77.5132141 38590 3572 800969984 800969984 0.000439703465 0.000113070011 443.858398 226.96962 3.18688083 62.1222305 54120 46193 800969984 800969984 800969984 800969984 800969984 800969984 800969984 800969984 800969984 | 400.168243 ± 0.2 17.4615631 ± 0.5 19.648386 ± 0.04 5.39439726 ± 0.0625 38590 ± 2 37023 ± 2 800969984 800969984 0.00106757123 ± 1.25663627181805E-06 0.00031410993 ± 1.25663627181805E-06 39.0381813 ± 0.2 232.692337 ± 0.5 5.52265358 ± 0.04 77.5132141 ± 0.0625 38590 ± 2 3572 ± 2 800969984 800969984 0.000439726253 ± 1.25663627181805E-06 4.3858398 ± 0.2 226.96962 ± 0.5 3.18688083 ± 0.04 62.1222305 ± 0.0625 54120 ± 2 46193 ± 2 800969984 800969984 800969984 800969984 0.00106757123 ± 1.25663627181805E-06 0.0001140909375123 ± 1.25663627181805E-06 0.000106757123 ± 1.25663627181805E-06 | |



| Т | | | | ✓ |
|---------------------------------------------|-------|---------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ✓ |

| Test Step 2.80 (Repeat Count = 1) Name | Input Value | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|
| GetSystemTime mS u32(CurrentTime) | tgt_GetSystemTime_mS_u32_CurrentTime | |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc) | target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc | |
| Rte_Call_Ap_veribyri_Nxtibiaginigi_Getivi CActive(N1 CActive_Fti_1_igc) Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn_2 | |
| k AutoCntrHiSpdCntrWindow HwDeg f32 | 7.04372168 | |
| k_AutoCntrHiSpdFilt1Kn_Hz_f32 | 0.00600000005 | |
| | 0.0250000004 | |
| k_AutoCntrHiSpdFilt2Kn_Hz_f32 | | |
| k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32 | 55.3411407 | |
| k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32 | 6.96820259 | |
| k_AutoCntrHiSpdTimer1VehSpd_kph_f32 | 102.746277 | |
| k_AutoCntrHiSpdTimer1_mS_u16 | 6114 | |
| k_AutoCntrHiSpdTimer2_mS_u16 | 3906 | |
| k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32 | 55.9956245 | |
| k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32 | 84.2065811 | |
| k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32 | 15.3837309 | |
| k_AutoCntrHiSpdTimer4VehSpd_kph_f32 | 119.126099 | |
| k_AutoCntrHiSpdTimer4_mS_u16 | 32226 | |
| k_AutoCntrLoSpdCntrWindow_HwDeg_f32 | 9.00450611 | |
| k_AutoCntrLoSpdFilt1Kn_Hz_f32 | 0.00300000003 | |
| k_AutoCntrLoSpdFilt2Kn_Hz_f32 | 0.00700000022 | |
| k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32 | 145.500351 | |
| k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32 | 12.452816 | |
| <_AutoCntrLoSpdTimer1VehSpd_kph_f32 | 94.8519287 | |
| k_AutoCntrLoSpdTimer1_mS_u16 | 19115 | |
| k_AutoCntrLoSpdTimer2_mS_u16 | 24462 | |
| k_AutoCntrPinTrqLPFCoeffKn_Hz_f32 | 0.0350000001 | |
| k_SLPEnableBFCheck_Cnt_lgc | 1 | |
| <_SLPHwAuthority_Uls_f32 | 0.430200011 | |
| arget_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 | -136.996994 | |
| arget_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc | 0 | |
| target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc | 0 | |
| target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset | target_Pim_MotPosReset | |
| tgt_GetSystemTime_mS_u32_CurrentTime | 569984000 | |
| Name | Actual Value Expected Value | Resu |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 84.2065811 | |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 119.126099 119.126099 ± 0.5 | |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 15.3837309 | |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 55.9956245 55.9956245 ± 0.0625 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 6114 6114 ± 2 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 32226 32226 ± 2 | |
| VehDyn_AutoChtrDetSpd_M_str.Timer1_mS_u32 | 569984000 569984000 | |
| | | |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 569984000 569984000 3.76701355e-005 3.76984026e-005 ± 1.256636271818 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 8.79764557e-005 8.79607251e-005 ± 1.256636271818 | 005E-06 |
| | 55,0444,07 | |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 55.3411407 55.3411407 ± 0.2 | |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 102.746277 102.746277 ± 0.5 | |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 102.746277 102.746277 ± 0.5 6.96820259 6.96820259 ± 0.04 | |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 102.746277 102.746277 ± 0.5 6.96820259 6.96820259 ± 0.04 7.04372168 7.04372168 ± 0.0625 | |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 102.746277 102.746277 ± 0.5 6.96820259 6.96820259 ± 0.04 7.04372168 7.04372168 ± 0.0625 6114 6114 ± 2 | |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 102.746277 102.746277 ± 0.5 6.96820259 6.96820259 ± 0.04 7.04372168 7.04372168 ± 0.0625 6114 6114 ± 2 3906 3906 ± 2 | |
| /ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 /ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 /ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 /ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 /ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 /ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 /ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 102.746277 102.746277 ± 0.5 6.96820259 6.96820259 ± 0.04 7.04372168 7.04372168 ± 0.0625 6114 6114 ± 2 3906 3906 ± 2 569984000 569984000 | |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 102.746277 102.746277 ± 0.5 6.96820259 6.96820259 ± 0.04 7.04372168 7.04372168 ± 0.0625 6114 6114 ± 2 3906 3906 ± 2 569984000 569984000 569984000 569984000 | |
| /ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 /ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 /ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 /ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 /ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 /ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 /ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 /ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 102.746277 102.746277 ± 0.5 6.96820259 6.96820259 ± 0.04 7.04372168 7.04372168 ± 0.0625 6114 6114 ± 2 3906 3906 ± 2 569984000 569984000 569984000 569984000 7.53998756e-005 7.53953791e-005 ± 1.256636271818 | 05E-06 |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 | 102.746277 102.746277 ± 0.5 6.96820259 6.96820259 ± 0.04 7.04372168 7.04372168 ± 0.0625 6114 6114 ± 2 3906 3906 ± 2 569984000 569984000 569984000 569984000 | 005E-06 5E-06 |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 | 102.746277 102.746277 ± 0.5 6.96820259 6.96820259 ± 0.04 7.04372168 7.04372168 ± 0.0625 6114 6114 ± 2 3906 3906 ± 2 569984000 569984000 7.53998756e-005 7.53953791e-005 ± 1.2566362718180 0.000314116478 0.00031410993 ± 1.2566362718180 145.500351 145.500351 ± 0.2 | :05E-06 5E-06 |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 102.746277 102.746277 ± 0.5 6.96820259 6.96820259 ± 0.04 7.04372168 7.04372168 ± 0.0625 6114 6114 ± 2 3906 3906 ± 2 569984000 569984000 569984000 569984000 7.53998756e-005 7.53953791e-005 ± 1.2566362718180 0.000314116478 0.000314110993 ± 1.2566362718180 | 05E-06 5E-06 |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.WehSpd_kph_f32 | 102.746277 102.746277 ± 0.5 6.96820259 6.96820259 ± 0.04 7.04372168 7.04372168 ± 0.0625 6114 6114 ± 2 3906 3906 ± 2 569984000 569984000 7.53998756e-005 7.53953791e-005 ± 1.2566362718180 0.000314116478 0.00031410993 ± 1.2566362718180 145.500351 145.500351 ± 0.2 | :05E-06 SE-06 |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 102.746277 102.746277 ± 0.5 6.96820259 6.96820259 ± 0.04 7.04372168 7.04372168 ± 0.0625 6114 6114 ± 2 3906 3906 ± 2 569984000 569984000 7.53998756e-005 7.53953791e-005 ± 1.2566362718180 0.000314116478 0.00031410993 ± 1.2566362718180 145.500351 145.500351 ± 0.2 94.8519287 94.8519287 ± 0.5 | :05E-06 SE-06 |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 102.746277 102.746277 ± 0.5 6.96820259 6.96820259 ± 0.04 7.04372168 7.04372168 ± 0.0625 6114 6114 ± 2 3906 3906 ± 2 569984000 569984000 7.53998756e-005 7.53953791e-005 ± 1.2566362718180 0.000314116478 0.00031410993 ± 1.2566362718180 145.500351 145.500351 ± 0.2 94.8519287 94.8519287 ± 0.5 12.452816 12.452816 ± 0.04 | :05E-06 SE-06 |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 102.746277 102.746277 ± 0.5 6.96820259 6.96820259 ± 0.04 7.04372168 7.04372168 ± 0.0625 6114 6114 ± 2 3906 3906 ± 2 569984000 569984000 7.53998756e-005 7.53953791e-005 ± 1.2566362718180 0.000314116478 0.00031410993 ± 1.2566362718180 145.500351 145.500351 ± 0.2 94.8519287 94.8519287 ± 0.5 12.452816 12.452816 ± 0.04 9.00450611 9.00450611 ± 0.0625 | :05E-06 SE-06 |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 102.746277 102.746277 ± 0.5 6.96820259 6.96820259 ± 0.04 7.04372168 7.04372168 ± 0.0625 6114 6114 ± 2 3906 3906 ± 2 569984000 569984000 7.53998756e-005 7.53953791e-005 ± 1.2566362718180 0.000314116478 0.00031410993 ± 1.2566362718180 145.500351 145.500351 ± 0.2 94.8519287 94.8519287 ± 0.5 12.452816 12.452816 ± 0.04 9.00450611 9.00450611 ± 0.0625 19115 19115 ± 2 | 05E-06 |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 102.746277 102.746277 ± 0.5 6.96820259 6.96820259 ± 0.04 7.04372168 7.04372168 ± 0.0625 6114 6114 ± 2 3906 3906 ± 2 569984000 569984000 7.53998756e-005 7.53953791e-005 ± 1.2566362718180 0.000314116478 0.00031410993 ± 1.2566362718180 145.500351 145.500351 ± 0.2 94.8519287 94.8519287 ± 0.5 12.452816 12.452816 ± 0.04 9.00450611 9.00450611 ± 0.0625 19115 19115 ± 2 24462 24462 ± 2 | 005E-06 |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.WehDyn_AutoCntrLoSpd_M_str.WehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 102.746277 102.746277 ± 0.5 6.96820259 6.96820259 ± 0.04 7.04372168 7.04372168 ± 0.0625 6114 6114 ± 2 3906 3906 ± 2 569984000 569984000 7.53998756e-005 7.53953791e-005 ± 1.2566362718180 0.000314116478 0.00031410993 ± 1.2566362718180 145.500351 145.500351 ± 0.2 94.8519287 94.8519287 ± 0.5 12.452816 12.452816 ± 0.04 9.00450611 9.00450611 ± 0.0625 19115 19115 ± 2 24462 24462 ± 2 569984000 569984000 | 5E-06 |





| Name | Actual Value | Expected Value | Result |
|---------------------------------|----------------|--------------------------------------|----------|
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000439703465 | 0.000439726253 ± 1.25663627181805E-0 | 6 🗸 |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0 | 0 | ~ |
| VehDyn SLPHwPos HwDeg M f32 | 0 | 0 | ✓ |

| Τ | | | | V |
|---------------------------------------------|-------|---------------------------------------------|-------|--------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |

| Name | Input Value | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|
| GetSystemTime_mS_u32(CurrentTime) | tgt_GetSystemTime_mS_u32_CurrentTime | |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc) | target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc | |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn_2 | |
| _AutoCntrHiSpdCntrWindow_HwDeg_f32 | 32.0222664 | |
| _AutoCntrHiSpdFilt1Kn_Hz_f32 | 0.0049999989 | |
| | 0.063000001 | |
| <pre>c_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32</pre> | 575.91394 | |
| | 8.9376688 | |
| C_AutoCntrHiSpdTimer1VehSpd_kph_f32 | 204.072876 | |
| : AutoCntrHiSpdTimer1 mS u16 | 5222 | |
| AutoCntrHiSpdTimer2 mS u16 | 4240 | |
| AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32 | 93.8445969 | |
| AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32 | 312.352844 | |
| _AutoCntrHiSpdTimer4PinTrq_HwNm_f32 | 8.16609764 | |
| AutoCntrHiSpdTimer4VehSpd_kph_f32 | 68 | |
| AutoCntrHiSpdTimer4 mS u16 | 31042 | |
| _AutoCntrLoSpdCntrWindow_HwDeg_f32 | 95.9834061 | |
| AutoCntrLoSpdFilt1Kn Hz f32 | 0.00499999989 | |
| AutoCntrLoSpdFilt2Kn Hz f32 | 0.00499999989 | |
| AutoCntrLoSpdTimer1MtrVel MtrRadpS f32 | 195.818787 | |
| AutoCntrLoSpdTimer1PinTrq HwNm f32 | 7.82910013 | |
| AutoCntrLoSpdTimer1VehSpd kph f32 | 29.3435669 | |
| AutoCntrLoSpdTimer1 mS u16 | 25532 | |
| AutoCntrLoSpdTimer2 mS u16 | 27401 | |
| AutoCntrPinTrqLPFCoeffKn Hz f32 | 0.00499999989 | |
| SLPEnableBFCheck Cnt Igc | 0 | |
| SLPHwAuthority Uls f32 | 0.436800003 | |
| | -161.029999 | |
| arget_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 arget_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc | 1 | |
| | | |
| rarget_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc | | |
| arget_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset | target_Pim_MotPosReset 2242866176 | |
| | | |
| gt_GetSystemTime_mS_u32_CurrentTime | | D |
| lame | Actual Value Expected Value | |
| lame /ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | Actual Value Expected Value 312.352844 312.352844 ± 0.2 | |
| lame /ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 /ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | Actual Value Expected Value 312.352844 312.352844 ± 0.2 68 68 ± 0.5 | |
| Alame /ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 /ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 /ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | Actual Value Expected Value 312.352844 312.352844 ± 0.2 68 68 ± 0.5 8.16609764 8.16609764 ± 0.04 | |
| Jame /ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 /ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 /ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 /ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | Actual Value Expected Value 312.352844 312.352844 ± 0.2 68 68 ± 0.5 8.16609764 8.16609764 ± 0.04 93.8445969 93.8445969 ± 0.0625 | |
| lame 'ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 'ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 'ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 'ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 'ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | Actual Value Expected Value 312.352844 312.352844 ± 0.2 68 68 ± 0.5 8.16609764 8.16609764 ± 0.04 93.8445969 93.8445969 ± 0.0625 5222 5222 ± 2 | |
| Alame /ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 /ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 /ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 /ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 /ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 /ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | Actual Value Expected Value 312.352844 312.352844 ± 0.2 68 68 ± 0.5 8.16609764 8.16609764 ± 0.04 93.8445969 93.8445969 ± 0.0625 5222 5222 ± 2 31042 31042 ± 2 | |
| lame /ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 /ehDyn_AutoCntrDetSpd_M_str.WehSpd_kph_f32 /ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 /ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 /ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 /ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 /ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | Actual Value Expected Value 312.352844 312.352844 ± 0.2 68 68 ± 0.5 8.16609764 8.16609764 ± 0.04 93.8445969 93.8445969 ± 0.0625 5222 5222 ± 2 31042 31042 ± 2 2242866176 2242866176 | |
| Alame VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | Actual Value Expected Value 312.352844 312.352844 ± 0.2 68 68 ± 0.5 8.16609764 8.16609764 ± 0.04 93.8445969 93.8445969 ± 0.0625 5222 5222 ± 2 31042 31042 ± 2 2242866176 2242866176 2242866176 2242866176 | |
| Alame VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | Actual Value Expected Value 312.352844 312.352844 ± 0.2 68 68 ± 0.5 8.16609764 8.16609764 ± 0.04 93.8445969 93.8445969 ± 0.0625 5222 5222 ± 2 31042 31042 ± 2 2242866176 2242866176 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E-0 | 6 |
| Alame VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | Actual Value Expected Value 312.352844 312.352844 ± 0.2 68 68 ± 0.5 8.16609764 8.16609764 ± 0.04 93.8445969 93.8445969 ± 0.0625 5222 5222 ± 2 31042 31042 ± 2 2242866176 2242866176 2242866176 2242866176 | 6 |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | Actual Value Expected Value 312.352844 312.352844 ± 0.2 68 68 ± 0.5 8.16609764 8.16609764 ± 0.04 93.8445969 93.8445969 ± 0.0625 5222 5222 ± 2 31042 31042 ± 2 2242866176 2242866176 2242866176 2242866176 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E-0 6.75.91394 575.91394 ± 0.2 | 6 |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | Actual Value Expected Value 312.352844 312.352844 ± 0.2 68 68 ± 0.5 8.16609764 8.16609764 ± 0.04 93.8445969 93.8445969 ± 0.0625 5222 5222 ± 2 31042 31042 ± 2 2242866176 2242866176 2242866176 2242866176 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E-0 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E-0 | 6 |
| lame (ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 (ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 (ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 (ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 (ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 (ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 (ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u32 (ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 (ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 (ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 (ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 (ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | Actual Value Expected Value 312.352844 312.352844 ± 0.2 68 68 ± 0.5 8.16609764 8.16609764 ± 0.04 93.8445969 93.8445969 ± 0.0625 5222 5222 ± 2 31042 31042 ± 2 2242866176 2242866176 2242866176 2242866176 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E-0 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E-0 575.91394 575.91394 ± 0.2 | 6 |
| lame (ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 (ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 (ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 (ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 (ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 (ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 (ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u32 (ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 (ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 (ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 (ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 (ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 (ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | Actual Value Expected Value 312.352844 312.352844 ± 0.2 68 68 ± 0.5 8.16609764 8.16609764 ± 0.04 93.8445969 93.8445969 ± 0.0625 5222 5222 ± 2 31042 31042 ± 2 2242866176 2242866176 2242866176 2242866176 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E-0 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E-0 575.91394 575.91394 ± 0.2 204.072876 204.072876 ± 0.5 | 6 |
| lame lehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 lehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 lehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 lehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 lehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 lehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 lehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 lehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 lehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 lehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 lehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 lehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 lehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 lehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 lehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | Actual Value Expected Value 312.352844 312.352844 ± 0.2 68 68 ± 0.5 8.16609764 8.16609764 ± 0.04 93.8445969 93.8445969 ± 0.0625 5222 5222 ± 2 31042 31042 ± 2 2242866176 2242866176 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E-0 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E-0 575.91394 575.91394 ± 0.2 204.072876 204.072876 ± 0.5 8.9376688 8.9376688 ± 0.04 | 6 |
| ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 ehDyn_AutoCntrHiSpd_M_str.NtrVel_MtrRadpS_f32 ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | Actual Value Expected Value 312.352844 312.352844 ± 0.2 68 68 ± 0.5 8.16609764 8.16609764 ± 0.04 93.8445969 93.8445969 ± 0.0625 5222 5222 ± 2 31042 31042 ± 2 2242866176 2242866176 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E-0 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E-0 575.91394 575.91394 ± 0.2 204.072876 204.072876 ± 0.5 8.9376688 8.9376688 ± 0.04 32.0222664 32.0222664 ± 0.0625 | 6 6 |
| ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 ehDyn_AutoCntrHiSpd_M_str.NtrVel_MtrRadpS_f32 ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | Actual Value Expected Value 312.352844 312.352844 ± 0.2 68 68 ± 0.5 8.16609764 8.16609764 ± 0.04 93.8445969 93.8445969 ± 0.0625 5222 5222 ± 2 31042 31042 ± 2 2242866176 2242866176 2242866176 2242866176 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E-0 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E-0 575.91394 575.91394 ± 0.2 204.072876 204.072876 ± 0.5 8.9376688 8.9376688 ± 0.04 32.0222664 32.0222664 ± 0.0625 5222 5222 ± 2 | 6 6 |
| lame 'ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 'ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 'ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 'ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 'ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 'ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 'ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u32 'ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 'ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 'ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 'ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 'ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 'ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 'ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 'ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 'ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 'ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 'ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | Actual Value Expected Value 312.352844 312.352844 ± 0.2 68 68 ± 0.5 8.16609764 8.16609764 ± 0.04 93.8445969 93.8445969 ± 0.0625 5222 5222 ± 2 31042 31042 ± 2 2242866176 2242866176 2242866176 2242866176 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E-0 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E-0 575.91394 575.91394 ± 0.2 204.072876 204.072876 ± 0.5 8.9376688 8.9376688 ± 0.04 32.0222664 32.0222664 ± 0.0625 5222 5222 ± 2 4240 4240 ± 2 | 6 6 |
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| Value VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.NelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1_Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.WehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | Actual Value Expected Value 312.352844 312.352844 ± 0.2 68 68 ± 0.5 8.16609764 8.16609764 ± 0.04 93.8445969 93.8445969 ± 0.0625 5222 5222 ± 2 31042 31042 ± 2 2242866176 2242866176 6.28232956e-005 6.282398803e-005 ± 1.25663627181805E-0 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E-0 575.91394 575.91394 ± 0.2 204.072876 204.072876 ± 0.5 8.9376688 8.9376688 ± 0.04 32.0222664 32.0222664 ± 0.0625 5222 5222 ± 2 4240 4240 ± 2 2242866176 2242866176 2242866176 2242866176 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E-0 0.000791370869 0.000791368075 ± 1.25663627181805E-0 195.818787 195.818787 ± 0.2 | 6 |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | Actual Value Expected Value 312.352844 312.352844 ± 0.2 68 68 ± 0.5 8.16609764 8.16609764 ± 0.04 93.8445969 93.8445969 ± 0.0625 5222 5222 ± 2 31042 31042 ± 2 2242866176 2242866176 2242866176 2242866176 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E-0 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E-0 575.91394 575.91394 ± 0.2 204.072876 204.072876 ± 0.5 8.9376688 8.9376688 ± 0.04 32.0222664 32.0222664 ± 0.0625 5222 5222 ± 2 4240 4240 ± 2 2242866176 2242866176 2242866176 2242866176 2242866176 2242866176 2242866176 2242866176 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E-0 0.000791370869 0.000791368075 ± 1.25663627181805E-0 195.818787 195.818787 ± 0.2 29.3435669 29.3435669 ± 0.5 | 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | Actual Value Expected Value 312.352844 312.352844 ± 0.2 68 68 ± 0.5 8.16609764 8.16609764 ± 0.04 93.8445969 93.8445969 ± 0.0625 5222 5222 ± 2 31042 31042 ± 2 2242866176 2242866176 2242866176 2242866176 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E-0 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E-0 575.91394 575.91394 ± 0.2 204.072876 204.072876 ± 0.5 8.9376688 8.9376688 ± 0.04 32.0222664 32.0222664 ± 0.0625 5222 5222 ± 2 4240 4240 ± 2 2242866176 2242866176 2242866176 2242866176 2242866176 2242866176 2242866176 6.28232956e-005 0.000791370869 0.000791368075 ± 1.25663627181805E-0 195.818787 195.818787 ± 0.2 29.3435669 29.3435669 ± 0.5 7.82910013 7.82910013 ± 0.04 | 6 6 6 6 |





| Name | Actual Value | Expected Value | Result |
|----------------------------------------------------------------|-----------------|----------------------------------------|----------|
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 2242866176 | 2242866176 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 2242866176 | 2242866176 | • |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 6.28232956e-005 | 6.28298803e-005 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 6.28232956e-005 | 6.28298803e-005 ± 1.25663627181805E-06 | • |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 6.28232956e-005 | 6.28298803e-005 ± 1.25663627181805E-06 | • |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.436800003 | 0.436800003 | • |
| VehDvn SLPHwPos HwDea M f32 | -161.029999 | -161.029999 | ✓ |

| Τ | | | | ✓ |
|---------------------------------------------|-------|---------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ✓ |

| Test Step 2.82 (Repeat Count = 1) Name | Input Value | |
|-----------------------------------------------------------------------------|------------------------------------------------------------------------|------|
| GetSystemTime_mS_u32(CurrentTime) | tgt_GetSystemTime_mS_u32_CurrentTime | |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc) | target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc | |
| | | |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn_2 | |
| k_AutoCntrHiSpdCntrWindow_HwDeg_f32 | 7.2738266 | |
| k_AutoCntrHiSpdFilt1Kn_Hz_f32 | 0.00899999961 | |
| k_AutoCntrHiSpdFilt2Kn_Hz_f32 | 0.00200000009 | |
| k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32 | 460.901886 8.00629902 | |
| k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32 k_AutoCntrHiSpdTimer1VehSpd_kph_f32 | 92.026535 | |
| | | |
| k_AutoCntrHiSpdTimer1_mS_u16 | 16931 | |
| k_AutoCntrHiSpdTimer2_mS_u16 | 4574 | |
| k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32 | 51.3993683 | |
| k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32 | 119.134666 | |
| k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32 | 0 | |
| k_AutoCntrHiSpdTimer4VehSpd_kph_f32 | 103.723984 | |
| k_AutoCntrHiSpdTimer4_mS_u16 | 51145 | |
| k_AutoCntrLoSpdCntrWindow_HwDeg_f32 | 65.2026672 | |
| k_AutoCntrLoSpdFilt1Kn_Hz_f32 | 0.00899999961 | |
| k_AutoCntrLoSpdFilt2Kn_Hz_f32 | 0.0250000004 | |
| k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32 | 581.690918 | |
| k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32 | 6.79465103 | |
| k_AutoCntrLoSpdTimer1VehSpd_kph_f32 | 236.401962 | |
| k_AutoCntrLoSpdTimer1_mS_u16 | 46296 | |
| k_AutoCntrLoSpdTimer2_mS_u16 | 9393 | |
| k_AutoCntrPinTrqLPFCoeffKn_Hz_f32 | 0.00899999961 | |
| k_SLPEnableBFCheck_Cnt_lgc | 1 | |
| k_SLPHwAuthority_Uls_f32 | 0.443399996 | |
| target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 | -185.063004 | |
| target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc | 0 | |
| target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc | 0 | |
| target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset | target_Pim_MotPosReset | |
| tgt_GetSystemTime_mS_u32_CurrentTime | 2269150976 | |
| Name | Actual Value Expected Value | Resu |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 119.134666 ± 0.2 | • |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 103.723984 ± 0.5 | • |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 0 ± 0.04 | • |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 51.3993683 ± 0.0625 | • |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 16931 ± 2 | · • |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 51145 ± 2 | • |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 2269150976 2269150976 | • |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 2269150976 2269150976 | • |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000113070011 0.000113090937 ± 1.25663627181805E-06 | ١ ، |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000314116478 0.00031410993 ± 1.25663627181805E-06 | |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 460.901886 ± 0.2 | ١ ، |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 92.026535 ± 0.5 | |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 8.00629902 ± 0.04 | • |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 7.2738266 ± 0.0625 | • |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 16931 16931 ± 2 | • |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 4574 ± 2 | • |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 2269150976 2269150976 | ٠, |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 2269150976 2269150976 | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000113070011 0.000113090937 ± 1.25663627181805E-06 | |
| VehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32 | 2.51531601e-005 2.51324254e-005 ± 1.25663627181805E-06 | |
| , | | , |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 581.690918 581.690918 ± 0.2 | |





| Name | Actual Value | Expected Value | Result |
|----------------------------------------------------------------|----------------|---------------------------------------|----------|
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 6.79465103 | 6.79465103 ± 0.04 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 65.2026672 | 65.2026672 ± 0.0625 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 46296 | 46296 ± 2 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 9393 | 9393 ± 2 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 2269150976 | 2269150976 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 2269150976 | 2269150976 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000113070011 | 0.000113090937 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000314116478 | 0.00031410993 ± 1.25663627181805E-06 | ~ |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000113070011 | 0.000113090937 ± 1.25663627181805E-06 | ~ |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0 | 0 | ~ |
| VehDyn_SLPHwPos_HwDeg_M_f32 | 0 | 0 | ~ |

| Τ | | | | ✓ |
|---------------------------------------------|-------|---------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |

| Test Step 2.83 (Repeat Count = 1) | | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|
| Name | Input Value | |
| GetSystemTime_mS_u32(CurrentTime) | tgt_GetSystemTime_mS_u32_CurrentTime | |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc) | target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc | |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn_2 | |
| k_AutoCntrHiSpdCntrWindow_HwDeg_f32 | 91.5981827 | |
| k_AutoCntrHiSpdFilt1Kn_Hz_f32 | 0.0250000004 | |
| k_AutoCntrHiSpdFilt2Kn_Hz_f32 | 0.00499999989 | |
| k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32 | 160.17424 | |
| k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32 | 4.19048309 | |
| k_AutoCntrHiSpdTimer1VehSpd_kph_f32 | 28.4624329 | |
| k_AutoCntrHiSpdTimer1_mS_u16 | 20459 | |
| k_AutoCntrHiSpdTimer2_mS_u16 | 4908 | |
| k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32 | 53.1939697 | |
| k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32 | 201.577209 | |
| k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32 | 20 | |
| k_AutoCntrHiSpdTimer4VehSpd_kph_f32 | 194.557587 | |
| k AutoCntrHiSpdTimer4 mS u16 | 55301 | |
| k AutoCntrLoSpdCntrWindow HwDeg f32 | 52.1249008 | |
| k AutoCntrLoSpdFilt1Kn Hz f32 | 0.0250000004 | |
| k AutoCntrLoSpdFilt2Kn Hz f32 | 0.063000001 | |
| k AutoCntrLoSpdTimer1MtrVel MtrRadpS f32 | 578.046082 | |
| k AutoCntrLoSpdTimer1PinTrg HwNm f32 | 16.1874886 | |
| k AutoCntrLoSpdTimer1VehSpd kph f32 | 158.773651 | |
| k_AutoCntrLoSpdTimer1_mS_u16 | 21486 | |
| k AutoCntrLoSpdTimer2 mS u16 | 38584 | |
| k_AutoCntrPinTrqLPFCoeffKn_Hz_f32 | 0.0250000004 | |
| k SLPEnableBFCheck Cnt lgc | 0 | |
| k SLPHwAuthority Uls f32 | 0.449999988 | |
| target Pim MotPosReset.NVMStoredLastPos HwDeg f32 | -209.095993 | |
| target Pim MotPosReset.NVMStoredLastPosValid Cnt Igc | 1 | |
| | 1 | |
| target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc | | |
| target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset | target_Pim_MotPosReset | |
| tgt_GetSystemTime_mS_u32_CurrentTime | 3533260288 | 1_ |
| Name | Actual Value Expected Value | Resul |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 201.577209 201.577209 ± 0.2 | |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 194.557587 194.557587 ± 0.5 | • |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 20 ± 0.04 | • |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 53.1939697 ± 0.0625 | • |
| VehDyn AutoCntrDetSpd M str.Timer1Thresh mS u16 | 20459 ± 2 | • |
| venbyn_Autochtibetopa_ivi_sti. hiner i filiesii_ino_u to | | ١ . |
| VehDyn_AutoCntrDetSpd_M_str.Timer*Thresh_mS_u16 | 55301 ± 2 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 55301 55301 ± 2 3533260288 3533260288 | • |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | | |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 3533260288 3533260288 | • |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 3533260288 3533260288 3533260288 3533260288 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 3533260288 3533260288 3533260288 3533260288 0.000314116478 0.00031410993 ± 1.25663627181805E-06 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 3533260288 3533260288 3533260288 3533260288 0.000314116478 0.00031410993 ± 1.25663627181805E-06 0.000791370869 0.000791368075 ± 1.25663627181805E-06 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 3533260288 3533260288 3533260288 3533260288 0.000314116478 0.00031410993 ± 1.25663627181805E-06 0.000791370869 0.000791368075 ± 1.25663627181805E-06 160.17424 160.17424 ± 0.2 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 3533260288 3533260288 3533260288 3533260288 0.000314116478 0.00031410993 ± 1.25663627181805E-06 0.000791370869 0.000791368075 ± 1.25663627181805E-06 160.17424 160.17424 ± 0.2 28.4624329 28.4624329 ± 0.5 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.WtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 3533260288 3533260288 3533260288 3533260288 0.000314116478 0.00031410993 ± 1.25663627181805E-06 0.000791370869 0.000791368075 ± 1.25663627181805E-06 160.17424 160.17424 ± 0.2 28.4624329 28.4624329 ± 0.5 4.19048309 4.19048309 ± 0.04 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 3533260288 3533260288 3533260288 3533260288 0.000314116478 0.00031410993 ± 1.25663627181805E-06 0.000791370869 0.000791368075 ± 1.25663627181805E-06 160.17424 160.17424 ± 0.2 28.4624329 28.4624329 ± 0.5 4.19048309 4.19048309 ± 0.04 91.5981827 91.5981827 ± 0.0625 20459 20459 ± 2 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.WtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 3533260288 3533260288 3533260288 3533260288 0.000314116478 0.00031410993 ± 1.25663627181805E-06 0.000791370869 0.000791368075 ± 1.25663627181805E-06 160.17424 160.17424 ± 0.2 28.4624329 28.4624329 ± 0.5 4.19048309 4.19048309 ± 0.04 91.5981827 91.5981827 ± 0.0625 | |





| Name | Actual Value | Expected Value | Result |
|----------------------------------------------------------------|-----------------|----------------------------------------|----------|
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000314116478 | 0.00031410993 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 6.28232956e-005 | 6.28298803e-005 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 578.046082 | 578.046082 ± 0.2 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 158.773651 | 158.773651 ± 0.5 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 16.1874886 | 16.1874886 ± 0.04 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 52.1249008 | 52.1249008 ± 0.0625 | • |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 21486 | 21486 ± 2 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 38584 | 38584 ± 2 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 3533260288 | 3533260288 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 3533260288 | 3533260288 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000314116478 | 0.00031410993 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000791370869 | 0.000791368075 ± 1.25663627181805E-06 | • |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000314116478 | 0.00031410993 ± 1.25663627181805E-06 | ~ |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.449999988 | 0.44999988 | • |
| VehDyn_SLPHwPos_HwDeg_M_f32 | -209.095993 | -209.095993 | ~ |

| Τ | | | | ✓ |
|---------------------------------------------|-------|---------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |

| Test Step 2.84 (Repeat Count = 1) | | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------|-------|
| Name | Input Value | |
| GetSystemTime_mS_u32(CurrentTime) | tgt_GetSystemTime_mS_u32_CurrentTime | |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc) | target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc | |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn_2 | |
| k_AutoCntrHiSpdCntrWindow_HwDeg_f32 | 87.8902435 | |
| k_AutoCntrHiSpdFilt1Kn_Hz_f32 | 0.0759999976 | |
| k_AutoCntrHiSpdFilt2Kn_Hz_f32 | 0.00200000009 | |
| k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32 | 80.0510254 | |
| k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32 | 8.94539928 | |
| k_AutoCntrHiSpdTimer1VehSpd_kph_f32 | 124.186646 | |
| k_AutoCntrHiSpdTimer1_mS_u16 | 42690 | |
| k_AutoCntrHiSpdTimer2_mS_u16 | 2570 | |
| k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32 | 23.81703 | |
| k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32 | 531.758972 | |
| k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32 | 6.92990065 | |
| k_AutoCntrHiSpdTimer4VehSpd_kph_f32 | 245.5401 | |
| k_AutoCntrHiSpdTimer4_mS_u16 | 34733 | |
| k_AutoCntrLoSpdCntrWindow_HwDeg_f32 | 99.4496155 | |
| k_AutoCntrLoSpdFilt1Kn_Hz_f32 | 0.0250000004 | |
| k_AutoCntrLoSpdFilt2Kn_Hz_f32 | 0.0458000004 | |
| k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32 | 289.349548 | |
| k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32 | 14.9216394 | |
| k_AutoCntrLoSpdTimer1VehSpd_kph_f32 | 158.512024 | |
| k_AutoCntrLoSpdTimer1_mS_u16 | 33241 | |
| k_AutoCntrLoSpdTimer2_mS_u16 | 55884 | |
| k_AutoCntrPinTrqLPFCoeffKn_Hz_f32 | 0.0759999976 | |
| k_SLPEnableBFCheck_Cnt_lgc | 0 | |
| k_SLPHwAuthority_UIs_f32 | 0.489600003 | |
| target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 | -353.294006 | |
| target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc | 0 | |
| $target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgctrices and the property of the propert$ | 0 | |
| target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset | target_Pim_MotPosReset | |
| tgt_GetSystemTime_mS_u32_CurrentTime | 1759885568 | |
| Name | Actual Value Expected Value | Resul |
| VehDyn AutoCntrDetSpd M str.MtrVel MtrRadpS f32 | 531.758972 531.758972 ± 0.2 | |
| VehDyn AutoCntrDetSpd M str.VehSpd kph f32 | 245.5401 245.5401 ± 0.5 | |
| VehDyn AutoCntrDetSpd M str.FiltPinTrg HwNm f32 | 6.92990065 6.92990065 ± 0.04 | ١., |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 23.81703 23.81703 ± 0.0625 | |
| VehDyn AutoCntrDetSpd M str.Timer1Thresh mS u16 | 42690 ± 2 | |
| VehDyn AutoCntrDetSpd M str.Timer2Thresh mS u16 | 34733 34733 ± 2 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 1759885568 1759885568 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 1759885568 1759885568 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000314116478 | |
| VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32 | 0.000574710476 | |
| VehDyn AutoCntrHiSpd M str.MtrVel MtrRadpS f32 | 80.0510254 80.0510254 ± 0.2 | |
| VehDyn AutoCntrHiSpd M str.VehSpd kph f32 | 124.186646 124.186646 ± 0.5 | |
| | | |
| VehDyn AutoCntrHiSpd M str.FiltPinTrg HwNm f32 | 8.94539928 ± 0.04 | |





| Name | Actual Value | Expected Value | Result |
|----------------------------------------------------------------|-----------------|----------------------------------------|--------|
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 42690 | 42690 ± 2 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 2570 | 2570 ± 2 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 1759885568 | 1759885568 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 1759885568 | 1759885568 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000954568386 | 0.000954588235 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 2.51531601e-005 | 2.51324254e-005 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 289.349548 | 289.349548 ± 0.2 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 158.512024 | 158.512024 ± 0.5 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 14.9216394 | 14.9216394 ± 0.04 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 99.4496155 | 99.4496155 ± 0.0625 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 33241 | 33241 ± 2 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 55884 | 55884 ± 2 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 1759885568 | 1759885568 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 1759885568 | 1759885568 | • |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000314116478 | 0.00031410993 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000575363636 | 0.000575374172 ± 1.25663627181805E-06 | ~ |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000954568386 | 0.000954588235 ± 1.25663627181805E-06 | ~ |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0 | 0 | ~ |
| VehDyn_SLPHwPos_HwDeg_M_f32 | 0 | 0 | ~ |

| Τ | | | | ✓ |
|---------------------------------------------|-------|---------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | ~ |
| GetSystemTime mS u32 | 1 | GetSystemTime mS u32 | 1 | ✓ |

| Test Step 2.85 (Repeat Count = 1) | Innut Value | | |
|-------------------------------------------------------------------------------|------------------------------------------------------------------------|--------|--|
| Name | Input Value | | |
| GetSystemTime_mS_u32(CurrentTime) | tgt_GetSystemTime_mS_u32_CurrentTime | | |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc) | target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc | | |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn_2 | | |
| k_AutoCntrHiSpdCntrWindow_HwDeg_f32 | 24.5077915 | | |
| k_AutoCntrHiSpdFilt1Kn_Hz_f32 | 0.0225000009 | | |
| k_AutoCntrHiSpdFilt2Kn_Hz_f32 | 0.0049999989 | | |
| k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32 | 416.42218 8.68037319 | | |
| k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32 | | | |
| k_AutoCntrHiSpdTimer1VehSpd_kph_f32 | 168.185226 | | |
| k_AutoCntrHiSpdTimer1_mS_u16 | 30272 | | |
| k_AutoCntrHiSpdTimer2_mS_u16 | 2904 | | |
| k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32 | 51.7886963 272.816681 | | |
| k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32 k_AutoCntrHiSpdTimer4PinTrg_HwNm_f32 | 13.0401011 | | |
| k AutoCntrHiSpdTimer4VehSpd kph f32 | 209.062363 | | |
| k_AutoCntrHiSpdTimer4_mS_u16 | 3628 | | |
| k_AutoCntrLoSpdCntrWindow HwDeg f32 | 59.735672 | | |
| k_AutoCntrLoSpdFilt1Kn Hz f32 | 0.063000001 | | |
| k_AutoCntrLoSpdFilt2Kn_Hz_f32 | 0.00499999989 | | |
| k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32 | 499.624054 | | |
| k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32 | 6.55805016 | | |
| k_AutoCntrLoSpdTimer1PinTrq_HwNm_i32 k_AutoCntrLoSpdTimer1VehSpd_kph_f32 | 125.396591 | | |
| k AutoCntrLoSpdTimer1 mS u16 | 36412 | | |
| k_AutoCntrLoSpdTimer2_mS_u16 | 14998 | | |
| k_AutoCntrPinTrqLPFCoeffKn Hz f32 | 0.0225000009 | | |
| k SLPEnableBFCheck Cnt Igc | 1 | | |
| k SLPHwAuthority Uls f32 | 0.496199995 | | |
| | | | |
| target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 | -377.326996 1 | | |
| target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc | | | |
| target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc | | | |
| target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset | target_Pim_MotPosReset 1662097408 | | |
| tgt_GetSystemTime_mS_u32_CurrentTime | 13323 | I | |
| Name | Actual Value Expected Value | Result | |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 272.816681 272.816681 ± 0.2 | • | |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 209.062363 209.062363 ± 0.5 | • | |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 13.0401011 | • | |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 51.7886963 51.7886963 ± 0.0625 | • | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 30272 | • | |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 3628 3628 ± 2 | • | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 1662097408 1662097408 | • | |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 1662097408 1662097408 | • | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000791370869 0.000791368075 ± 1.25663627181805E-06 | • | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E-06 | • | |





| Name | Actual Value | Expected Value | Result |
|----------------------------------------------------------------|-----------------|----------------------------------------|----------|
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 416.42218 | 416.42218 ± 0.2 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 168.185226 | 168.185226 ± 0.5 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 8.68037319 | 8.68037319 ± 0.04 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 24.5077915 | 24.5077915 ± 0.0625 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 30272 | 30272 ± 2 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 2904 | 2904 ± 2 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 1662097408 | 1662097408 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 1662097408 | 1662097408 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.00028270483 | 0.000282703375 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 6.28232956e-005 | 6.28298803e-005 ± 1.25663627181805E-06 | • |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 499.624054 | 499.624054 ± 0.2 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 125.396591 | 125.396591 ± 0.5 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 6.55805016 | 6.55805016 ± 0.04 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 59.735672 | 59.735672 ± 0.0625 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 36412 | 36412 ± 2 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 14998 | 14998 ± 2 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 1662097408 | 1662097408 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 1662097408 | 1662097408 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000791370869 | 0.000791368075 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 6.28232956e-005 | 6.28298803e-005 ± 1.25663627181805E-06 | • |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.00028270483 | 0.000282703375 ± 1.25663627181805E-06 | ~ |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0 | 0 | ~ |
| VehDyn SLPHwPos HwDeg M f32 | 0 | 0 | ✓ |

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|---------------------------------------------|-------|---------------------------------------------|-------|----------|--|
| Actual Function | Count | Expected Function | Count | Result | |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | ~ | |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ✓ | |

| Test Step 2.86 (Repeat Count = 1) | | | |
|------------------------------------------------------------------------|-------------------------------------|------------------------------------|------|
| Name | Input Value | | |
| GetSystemTime_mS_u32(CurrentTime) | tgt_GetSystemTime_mS_u32_CurrentTir | ne | |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc) | target_Rte_Call_Ap_VehDyn_NxtrDiagM | gr_GetNTCActive_NTCActive_Ptr_T_lq | gc |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn_2 | | |
| k_AutoCntrHiSpdCntrWindow_HwDeg_f32 | 91.3826141 | | |
| k_AutoCntrHiSpdFilt1Kn_Hz_f32 | 0.063000001 | | |
| k_AutoCntrHiSpdFilt2Kn_Hz_f32 | 0.0491000004 | | |
| k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32 | 683.818359 | | |
| k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32 | 0.0764636993 | | |
| k_AutoCntrHiSpdTimer1VehSpd_kph_f32 | 34.4863586 | | |
| k_AutoCntrHiSpdTimer1_mS_u16 | 23210 | | |
| k_AutoCntrHiSpdTimer2_mS_u16 | 3238 | | |
| k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32 | 75.1060562 | | |
| k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32 | 108.829964 | | |
| k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32 | 7.80758381 | | |
| k_AutoCntrHiSpdTimer4VehSpd_kph_f32 | 169.04245 | | |
| k_AutoCntrHiSpdTimer4_mS_u16 | 7187 | | |
| k_AutoCntrLoSpdCntrWindow_HwDeg_f32 | 53.7309608 | | |
| k_AutoCntrLoSpdFilt1Kn_Hz_f32 | 0.0320999995 | | |
| k_AutoCntrLoSpdFilt2Kn_Hz_f32 | 0.00899999961 | | |
| k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32 | 228.670547 | | |
| k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32 | 16.7742443 | | |
| k_AutoCntrLoSpdTimer1VehSpd_kph_f32 | 174.289764 | | |
| k_AutoCntrLoSpdTimer1_mS_u16 | 11413 | | |
| k_AutoCntrLoSpdTimer2_mS_u16 | 48604 | | |
| k_AutoCntrPinTrqLPFCoeffKn_Hz_f32 | 0.063000001 | | |
| k_SLPEnableBFCheck_Cnt_lgc | 0 | | |
| k_SLPHwAuthority_Uls_f32 | 0.502799988 | | |
| target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 | -401.359985 | | |
| target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc | 1 | | |
| target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc | 0 | | |
| target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset | target_Pim_MotPosReset | | |
| tgt_GetSystemTime_mS_u32_CurrentTime | 2127166208 | | |
| Name | Actual Value | Expected Value | Resu |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 108.829964 | 108.829964 ± 0.2 | |
| VehDyn AutoCntrDetSpd M str.VehSpd kph f32 | 169.04245 | 169.04245 ± 0.5 | |
| VehDyn AutoCntrDetSpd M str.FiltPinTrg HwNm f32 | 7.80758381 | 7.80758381 ± 0.04 | |
| VehDyn AutoCntrDetSpd M str.CntrWindow HwDeg f32 | 75.1060562 | 75.1060562 ± 0.0625 | |
| VehDyn AutoCntrDetSpd M str.Timer1Thresh mS u16 | 23210 | 23210 ± 2 | |
| VehDyn AutoCntrDetSpd M str.Timer2Thresh mS u16 | 7187 | 7187 ± 2 | |





| Name | Actual Value | Expected Value | Result |
|-----------------------------------------------------------------|----------------|---------------------------------------|----------|
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 2127166208 | 2127166208 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 2127166208 | 2127166208 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000403285027 | 0.000403299142 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000113070011 | 0.000113090937 ± 1.25663627181805E-06 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 683.818359 | 683.818359 ± 0.2 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 34.4863586 | 34.4863586 ± 0.5 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 0.0764636993 | 0.0764636993 ± 0.04 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 91.3826141 | 91.3826141 ± 0.0625 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 23210 | 23210 ± 2 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 3238 | 3238 ± 2 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 2127166208 | 2127166208 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 2127166208 | 2127166208 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000791370869 | 0.000791368075 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000616788864 | 0.000616818492 ± 1.25663627181805E-06 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 228.670547 | 228.670547 ± 0.2 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 174.289764 | 174.289764 ± 0.5 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 16.7742443 | 16.7742443 ± 0.04 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 53.7309608 | 53.7309608 ± 0.0625 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 11413 | 11413 ± 2 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 48604 | 48604 ± 2 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 2127166208 | 2127166208 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 2127166208 | 2127166208 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000403285027 | 0.000403299142 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000113070011 | 0.000113090937 ± 1.25663627181805E-06 | ~ |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000791370869 | 0.000791368075 ± 1.25663627181805E-06 | ~ |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.502799988 | 0.502799988 | ~ |
| VehDyn_SLPHwPos_HwDeg_M_f32 | -401.359985 | -401.359985 | ~ |

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|---------------------------------------------|-------|---------------------------------------------|-------|--------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | • |

| Name | Input Value | | |
|------------------------------------------------------------------------|------------------------------|----------------------------------------|------------|
| GetSystemTime mS u32(CurrentTime) | tgt GetSystemTime mS u32 Cur | rentTime | |
| Rte Call Ap VehDyn NxtrDiagMgr GetNTCActive(NTCActive Ptr T lgc) | | DiagMgr GetNTCActive NTCActive Ptr T I | gc |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn_2 | | 3 - |
| k AutoCntrHiSpdCntrWindow HwDeg f32 | 77.5132141 | | |
| k AutoCntrHiSpdFilt1Kn Hz f32 | 0.00200000009 | | |
| k AutoCntrHiSpdFilt2Kn Hz f32 | 0.00899999961 | | |
| k AutoCntrHiSpdTimer1MtrVel MtrRadpS f32 | 39.0381813 | | |
| k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32 | 5.52265358 | | |
| k_AutoCntrHiSpdTimer1VehSpd_kph_f32 | 232.692337 | | |
| k_AutoCntrHiSpdTimer1_mS_u16 | 38590 | | |
| k_AutoCntrHiSpdTimer2_mS_u16 | 3572 | | |
| k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32 | 5.39439726 | | |
| k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32 | 400.168243 | | |
| k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32 | 19.648386 | | |
| k_AutoCntrHiSpdTimer4VehSpd_kph_f32 | 17.4615631 | | |
| k_AutoCntrHiSpdTimer4_mS_u16 | 37023 | | |
| k_AutoCntrLoSpdCntrWindow_HwDeg_f32 | 62.1222305 | | |
| k_AutoCntrLoSpdFilt1Kn_Hz_f32 | 0.0850000009 | | |
| k_AutoCntrLoSpdFilt2Kn_Hz_f32 | 0.0250000004 | | |
| k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32 | 443.858398 | | |
| k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32 | 3.18688083 | | |
| k_AutoCntrLoSpdTimer1VehSpd_kph_f32 | 226.96962 | | |
| k_AutoCntrLoSpdTimer1_mS_u16 | 54120 | | |
| k_AutoCntrLoSpdTimer2_mS_u16 | 46193 | | |
| k_AutoCntrPinTrqLPFCoeffKn_Hz_f32 | 0.00200000009 | | |
| k_SLPEnableBFCheck_Cnt_lgc | 1 | | |
| k_SLPHwAuthority_Uls_f32 | 0.50940001 | | |
| target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 | -425.393005 | | |
| target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc | 1 | | |
| target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc | 1 | | |
| target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset | target_Pim_MotPosReset | | |
| tgt_GetSystemTime_mS_u32_CurrentTime | 4243378688 | | |
| Name | Actual Value | Expected Value | Resul |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 400.168243 | 400.168243 ± 0.2 | • |
| VehDyn AutoCntrDetSpd M str.VehSpd kph f32 | 17.4615631 | 17.4615631 ± 0.5 | |





| Name | Actual Value | Expected Value | Result |
|-----------------------------------------------------------------|-----------------|----------------------------------------|------------|
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 19.648386 | 19.648386 ± 0.04 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 5.39439726 | 5.39439726 ± 0.0625 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 38590 | 38590 ± 2 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 37023 | 37023 ± 2 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 4243378688 | 4243378688 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 4243378688 | 4243378688 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.00106757879 | 0.00106757123 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000314116478 | 0.00031410993 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 39.0381813 | 39.0381813 ± 0.2 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 232.692337 | 232.692337 ± 0.5 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 5.52265358 | 5.52265358 ± 0.04 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 77.5132141 | 77.5132141 ± 0.0625 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 38590 | 38590 ± 2 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 3572 | 3572 ± 2 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 4243378688 | 4243378688 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 4243378688 | 4243378688 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 2.51531601e-005 | 2.51324254e-005 ± 1.25663627181805E-06 | 6 🗸 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000113070011 | 0.000113090937 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 443.858398 | 443.858398 ± 0.2 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 226.96962 | 226.96962 ± 0.5 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 3.18688083 | 3.18688083 ± 0.04 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 62.1222305 | 62.1222305 ± 0.0625 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 54120 | 54120 ± 2 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 46193 | 46193 ± 2 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 4243378688 | 4243378688 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 4243378688 | 4243378688 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.00106757879 | 0.00106757123 ± 1.25663627181805E-06 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000314116478 | 0.00031410993 ± 1.25663627181805E-06 | ~ |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 2.51531601e-005 | 2.51324254e-005 ± 1.25663627181805E-06 | 6 • |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0 | 0 | ~ |
| VehDyn_SLPHwPos_HwDeg_M_f32 | 0 | 0 | ~ |

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|---------------------------------------------|-------|---------------------------------------------|-------|--------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |

| Test Step 2.88 (Repeat Count = 1) | · · |
|------------------------------------------------------------------------------------|------------------------------------------------------------------------|
| Name | Input Value |
| GetSystemTime_mS_u32(CurrentTime) | tgt_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc) | target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn_2 |
| k_AutoCntrHiSpdCntrWindow_HwDeg_f32 | 64.989418 |
| k_AutoCntrHiSpdFilt1Kn_Hz_f32 | 0.063000001 |
| k_AutoCntrHiSpdFilt2Kn_Hz_f32 | 0.00520000001 |
| k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32 | 144.154984 |
| k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32 | 11.458559 |
| k_AutoCntrHiSpdTimer1VehSpd_kph_f32 | 55.1080475 |
| k_AutoCntrHiSpdTimer1_mS_u16 | 50710 |
| k_AutoCntrHiSpdTimer2_mS_u16 | 2236 |
| k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32 | 56.9792366 |
| k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32 | 540.500305 |
| k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32 | 9.40114307 |
| k_AutoCntrHiSpdTimer4VehSpd_kph_f32 | 47.8860626 |
| k_AutoCntrHiSpdTimer4_mS_u16 | 41475 |
| k_AutoCntrLoSpdCntrWindow_HwDeg_f32 | 95.4522934 |
| k_AutoCntrLoSpdFilt1Kn_Hz_f32 | 0.00899999961 |
| k_AutoCntrLoSpdFilt2Kn_Hz_f32 | 0.0344000012 |
| k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32 | 287.461334 |
| k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32 | 7.12687922 |
| k_AutoCntrLoSpdTimer1VehSpd_kph_f32 | 58.312088 |
| k_AutoCntrLoSpdTimer1_mS_u16 | 49661 |
| k_AutoCntrLoSpdTimer2_mS_u16 | 59445 |
| k_AutoCntrPinTrqLPFCoeffKn_Hz_f32 | 0.063000001 |
| k_SLPEnableBFCheck_Cnt_lgc | 0 |
| k_SLPHwAuthority_Uls_f32 | 0 |
| target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 | -641.690002 |
| target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc | 1 |
| $target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc$ | 0 |
| target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset | target_Pim_MotPosReset |





| Name | Input Value | | |
|-----------------------------------------------------------------|-----------------|----------------------------------------|--------|
| tgt_GetSystemTime_mS_u32_CurrentTime | 4164171008 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 540.500305 | 540.500305 ± 0.2 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 47.8860626 | 47.8860626 ± 0.5 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 9.40114307 | 9.40114307 ± 0.04 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 56.9792366 | 56.9792366 ± 0.0625 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 50710 | 50710 ± 2 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 41475 | 41475 ± 2 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 4164171008 | 4164171008 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 4164171008 | 4164171008 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000113070011 | 0.000113090937 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000432193279 | 0.000432189729 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 144.154984 | 144.154984 ± 0.2 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 55.1080475 | 55.1080475 ± 0.5 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 11.458559 | 11.458559 ± 0.04 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 64.989418 | 64.989418 ± 0.0625 | • |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 50710 | 50710 ± 2 | • |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 2236 | 2236 ± 2 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 4164171008 | 4164171008 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 4164171008 | 4164171008 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000791370869 | 0.000791368075 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 6.53266907e-005 | 6.53429888e-005 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 287.461334 | 287.461334 ± 0.2 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 58.312088 | 58.312088 ± 0.5 | • |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 7.12687922 | 7.12687922 ± 0.04 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 95.4522934 | 95.4522934 ± 0.0625 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 49661 | 49661 ± 2 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 59445 | 59445 ± 2 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 4164171008 | 4164171008 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 4164171008 | 4164171008 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000113070011 | 0.000113090937 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000432193279 | 0.000432189729 ± 1.25663627181805E-06 | • |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000791370869 | 0.000791368075 ± 1.25663627181805E-06 | ~ |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0 | 0 | ~ |
| VehDyn_SLPHwPos_HwDeg_M_f32 | -641.690002 | -641.690002 | ~ |

| Τ | | | | |
|---------------------------------------------|-------|---------------------------------------------|-------|--------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | - |

| Test Step 2.89 (Repeat Count = 1) | ✓ |
|------------------------------------------------------------------|------------------------------------------------------------------------|
| Name | Input Value |
| GetSystemTime_mS_u32(CurrentTime) | tgt_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc) | target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn_2 |
| k_AutoCntrHiSpdCntrWindow_HwDeg_f32 | 87.8902435 |
| k_AutoCntrHiSpdFilt1Kn_Hz_f32 | 0.00499999989 |
| k_AutoCntrHiSpdFilt2Kn_Hz_f32 | 0.00980000012 |
| k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32 | 80.0510254 |
| k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32 | 8.94539928 |
| k_AutoCntrHiSpdTimer1VehSpd_kph_f32 | 124.186646 |
| k_AutoCntrHiSpdTimer1_mS_u16 | 42690 |
| k_AutoCntrHiSpdTimer2_mS_u16 | 2570 |
| k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32 | 23.81703 |
| k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32 | 531.758972 |
| k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32 | 6.92990065 |
| k_AutoCntrHiSpdTimer4VehSpd_kph_f32 | 245.5401 |
| k_AutoCntrHiSpdTimer4_mS_u16 | 34733 |
| k_AutoCntrLoSpdCntrWindow_HwDeg_f32 | 99.4496155 |
| k_AutoCntrLoSpdFilt1Kn_Hz_f32 | 0.0250000004 |
| k_AutoCntrLoSpdFilt2Kn_Hz_f32 | 0.0458000004 |
| k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32 | 289.349548 |
| k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32 | 14.9216394 |
| k_AutoCntrLoSpdTimer1VehSpd_kph_f32 | 158.512024 |
| k_AutoCntrLoSpdTimer1_mS_u16 | 33241 |
| k_AutoCntrLoSpdTimer2_mS_u16 | 55884 |
| k_AutoCntrPinTrqLPFCoeffKn_Hz_f32 | 0.00499999989 |
| k_SLPEnableBFCheck_Cnt_lgc | 1 |
| k_SLPHwAuthority_Uls_f32 | 1 |





| Name | Input Value | | |
|------------------------------------------------------------------------|------------------------|----------------------------------------|--------|
| target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 | -665.723022 | | |
| target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc | 1 | | |
| target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc | 1 | | |
| target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset | target_Pim_MotPosReset | | |
| tgt_GetSystemTime_mS_u32_CurrentTime | 437658624 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 531.758972 | 531.758972 ± 0.2 | - |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 245.5401 | 245.5401 ± 0.5 | - |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 6.92990065 | 6.92990065 ± 0.04 | - |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 23.81703 | 23.81703 ± 0.0625 | • |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 42690 | 42690 ± 2 | - |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 34733 | 34733 ± 2 | - |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 437658624 | 437658624 | • |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 437658624 | 437658624 | • |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000314116478 | 0.00031410993 ± 1.25663627181805E-06 | • |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000575363636 | 0.000575374172 ± 1.25663627181805E-06 | |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 80.0510254 | 80.0510254 ± 0.2 | |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 124.186646 | 124.186646 ± 0.5 | |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 8.94539928 | 8.94539928 ± 0.04 | |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 87.8902435 | 87.8902435 ± 0.0625 | |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 42690 | 42690 ± 2 | |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 2570 | 2570 ± 2 | |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 437658624 | 437658624 | |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 437658624 | 437658624 | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 6.28232956e-005 | 6.28298803e-005 ± 1.25663627181805E-06 | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000123143196 | 0.000123142847 ± 1.25663627181805E-06 | |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 289.349548 | 289.349548 ± 0.2 | |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 158.512024 | 158.512024 ± 0.5 | • |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 14.9216394 | 14.9216394 ± 0.04 | - |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 99.4496155 | 99.4496155 ± 0.0625 | • |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 33241 | 33241 ± 2 | - |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 55884 | 55884 ± 2 | • |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 437658624 | 437658624 | • |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 437658624 | 437658624 | • |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000314116478 | 0.00031410993 ± 1.25663627181805E-06 | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000575363636 | 0.000575374172 ± 1.25663627181805E-06 | • |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 6.28232956e-005 | 6.28298803e-005 ± 1.25663627181805E-06 | • |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0 | 0 | - |
| VehDyn SLPHwPos HwDeg M f32 | 0 | 0 | • |

| Т | | | | V |
|---------------------------------------------|-------|---------------------------------------------|-------|--------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |

| Test Step 2.90 (Repeat Count = 1) | v v |
|------------------------------------------------------------------|------------------------------------------------------------------------|
| Name | Input Value |
| GetSystemTime_mS_u32(CurrentTime) | tgt_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc) | target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn_2 |
| k_AutoCntrHiSpdCntrWindow_HwDeg_f32 | 24.5077915 |
| k_AutoCntrHiSpdFilt1Kn_Hz_f32 | 0.0250000004 |
| k_AutoCntrHiSpdFilt2Kn_Hz_f32 | 0.00989999995 |
| k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32 | 416.42218 |
| k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32 | 8.68037319 |
| k_AutoCntrHiSpdTimer1VehSpd_kph_f32 | 168.185226 |
| k_AutoCntrHiSpdTimer1_mS_u16 | 30272 |
| k_AutoCntrHiSpdTimer2_mS_u16 | 2904 |
| k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32 | 51.7886963 |
| k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32 | 272.816681 |
| k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32 | 13.0401011 |
| k_AutoCntrHiSpdTimer4VehSpd_kph_f32 | 209.062363 |
| k_AutoCntrHiSpdTimer4_mS_u16 | 3628 |
| k_AutoCntrLoSpdCntrWindow_HwDeg_f32 | 59.735672 |
| k_AutoCntrLoSpdFilt1Kn_Hz_f32 | 0.063000001 |
| k_AutoCntrLoSpdFilt2Kn_Hz_f32 | 0.00499999989 |
| k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32 | 499.624054 |
| k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32 | 6.55805016 |
| k_AutoCntrLoSpdTimer1VehSpd_kph_f32 | 125.396591 |
| k_AutoCntrLoSpdTimer1_mS_u16 | 36412 |





| Name | Input Value | | |
|------------------------------------------------------------------------|------------------------|----------------------------------------|----------|
| k_AutoCntrLoSpdTimer2_mS_u16 | 14998 | | |
| k_AutoCntrPinTrqLPFCoeffKn_Hz_f32 | 0.0250000004 | | |
| k_SLPEnableBFCheck_Cnt_lgc | 0 | | |
| k_SLPHwAuthority_Uls_f32 | 0.30000012 | | |
| target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 | -689.755981 | | |
| target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc | 1 | | |
| target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc | 1 | | |
| target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset | target_Pim_MotPosReset | | |
| tgt_GetSystemTime_mS_u32_CurrentTime | 3941357312 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 272.816681 | 272.816681 ± 0.2 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 209.062363 | 209.062363 ± 0.5 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 13.0401011 | 13.0401011 ± 0.04 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 51.7886963 | 51.7886963 ± 0.0625 | ~ |
| VehDyn AutoCntrDetSpd M str.Timer1Thresh mS u16 | 30272 | 30272 ± 2 | ~ |
| VehDyn AutoCntrDetSpd M str.Timer2Thresh mS u16 | 3628 | 3628 ± 2 | ✓ |
| VehDyn AutoCntrDetSpd M str.Timer1 mS u32 | 3941357312 | 3941357312 | - |
| VehDyn AutoCntrDetSpd M str.Timer2 mS u32 | 3941357312 | 3941357312 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000791370869 | 0.000791368075 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 6.28232956e-005 | 6.28298803e-005 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 416.42218 | 416.42218 ± 0.2 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 168.185226 | 168.185226 ± 0.5 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 8.68037319 | 8.68037319 ± 0.04 | - |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 24.5077915 | 24.5077915 ± 0.0625 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 30272 | 30272 ± 2 | • |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 2904 | 2904 ± 2 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 3941357312 | 3941357312 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 3941357312 | 3941357312 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000314116478 | 0.00031410993 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000124394894 | 0.000124399332 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 499.624054 | 499.624054 ± 0.2 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 125.396591 | 125.396591 ± 0.5 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 6.55805016 | 6.55805016 ± 0.04 | • |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 59.735672 | 59.735672 ± 0.0625 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 36412 | 36412 ± 2 | • |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 14998 | 14998 ± 2 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 3941357312 | 3941357312 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 3941357312 | 3941357312 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000791370869 | 0.000791368075 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 6.28232956e-005 | 6.28298803e-005 ± 1.25663627181805E-06 | ~ |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000314116478 | 0.00031410993 ± 1.25663627181805E-06 | ~ |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.300000012 | 0.300000012 | ~ |
| VehDyn_SLPHwPos_HwDeg_M_f32 | -689.755981 | -689.755981 | ✓ |

| T | | | | V |
|---------------------------------------------|-------|---------------------------------------------|-------|--------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | ~ |
| GetSystemTime mS u32 | 1 | GetSystemTime mS u32 | 1 | |

| Test Step 2.91 (Repeat Count = 1) | ✓ |
|------------------------------------------------------------------|------------------------------------------------------------------------|
| Name | Input Value |
| GetSystemTime_mS_u32(CurrentTime) | tgt_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc) | target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn_2 |
| k_AutoCntrHiSpdCntrWindow_HwDeg_f32 | 91.3826141 |
| k_AutoCntrHiSpdFilt1Kn_Hz_f32 | 0.063000001 |
| k_AutoCntrHiSpdFilt2Kn_Hz_f32 | 0.00749999983 |
| k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32 | 683.818359 |
| k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32 | 0.0764636993 |
| k_AutoCntrHiSpdTimer1VehSpd_kph_f32 | 34.4863586 |
| k_AutoCntrHiSpdTimer1_mS_u16 | 23210 |
| k_AutoCntrHiSpdTimer2_mS_u16 | 3238 |
| k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32 | 75.1060562 |
| k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32 | 108.829964 |
| k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32 | 7.80758381 |
| k_AutoCntrHiSpdTimer4VehSpd_kph_f32 | 169.04245 |
| k_AutoCntrHiSpdTimer4_mS_u16 | 7187 |
| k_AutoCntrLoSpdCntrWindow_HwDeg_f32 | 53.7309608 |
| k_AutoCntrLoSpdFilt1Kn_Hz_f32 | 0.0320999995 |
| k_AutoCntrLoSpdFilt2Kn_Hz_f32 | 0.00899999961 |





| Name | Input Value | | |
|--------------------------------------------------------------------------------------------------------------------------------|------------------------|--------------------------------------------------------------------------------|--------|
| k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32 | 228.670547 | | |
| k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32 | 16.7742443 | | |
| k_AutoCntrLoSpdTimer1VehSpd_kph_f32 | 174.289764 | | |
| k_AutoCntrLoSpdTimer1_mS_u16 | 11413 | | |
| k_AutoCntrLoSpdTimer2_mS_u16 | 48604 | | |
| k_AutoCntrPinTrqLPFCoeffKn_Hz_f32 | 0.063000001 | | |
| k_SLPEnableBFCheck_Cnt_lgc | 1 | | |
| k_SLPHwAuthority_Uls_f32 | 0.58859998 | | |
| target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 | -1600 | | |
| target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc | 1 | | |
| target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc | 0 | | |
| target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset | target Pim MotPosReset | | |
| tgt_GetSystemTime_mS_u32_CurrentTime | 3304439296 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 108.829964 | 108.829964 ± 0.2 | - |
| VehDyn AutoCntrDetSpd M str.VehSpd kph f32 | 169.04245 | 169.04245 ± 0.5 | _ |
| VehDyn AutoCntrDetSpd M str.FiltPinTrg HwNm f32 | 7.80758381 | 7.80758381 ± 0.04 | J |
| VehDyn AutoCntrDetSpd M str.CntrWindow HwDeg f32 | 75.1060562 | 75.1060562 ± 0.0625 | • |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 23210 | 23210 ± 2 | Ĵ |
| VehDyn AutoCntrDetSpd M str.Timer2Thresh mS u16 | 7187 | 7187 ± 2 | _ |
| VehDyn AutoCntrDetSpd M str.Timer1 mS u32 | 3304439296 | 3304439296 | |
| VehDyn AutoCntrDetSpd M str.Timer2 mS u32 | 3304439296 | 3304439296 | • |
| VehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32 | 0.000403285027 | 0.000403299142 ± 1.25663627181805E-06 | j |
| VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32 | 0.000113070011 | 0.000113090937 ± 1.25663627181805E-06 | _ |
| VehDyn AutoCntrHiSpd M str.MtrVel MtrRadpS f32 | 683.818359 | 683.818359 ± 0.2 | j |
| VehDyn AutoCntrHiSpd M str.VehSpd kph f32 | 34.4863586 | 34.4863586 ± 0.5 | • |
| VehDyn AutoCntrHiSpd M str.FiltPinTrq HwNm f32 | 0.0764636993 | 0.0764636993 ± 0.04 | Ĵ |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 91.3826141 | 91.3826141 ± 0.0625 | · |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 23210 | 23210 ± 2 | Ĵ |
| VehDyn AutoCntrHiSpd M str.Timer2Thresh mS u16 | 3238 | 3238 ± 2 | • |
| VehDyn AutoCntrHiSpd M str.Timer1 mS u32 | 3304439296 | 3304439296 | Ĵ |
| VehDyn AutoCntrHiSpd M str.Timer2 mS u32 | 3304439296 | 3304439296 | • |
| VehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32 | 0.000791370869 | 0.000791368075 ± 1.25663627181805E-06 | Ĵ |
| VehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32 | 9.42349434e-005 | 9.42433398e-005 ± 1.25663627181805E-06 | |
| VehDyn AutoCntrLoSpd M str.MtrVel MtrRadpS f32 | 228.670547 | 228.670547 ± 0.2 | j |
| VehDyn AutoCntrLoSpd M str.VehSpd kph f32 | 174.289764 | 174.289764 ± 0.5 | • |
| VehDyn AutoCntrLoSpd M str.FiltPinTrg HwNm f32 | 16.7742443 | 16.7742443 ± 0.04 | Ĵ |
| venbyn_AddoondeboSpd_w_sd.r iid iirriq_riwikin_isz | 53.7309608 | 53.7309608 ± 0.0625 | • |
| VehDyn AutoCntrLoSpd M str.Timer1Thresh mS u16 | 11413 | 11413 ± 2 | Ĵ |
| VehDyn AutoCntrLoSpd M str.Timer2Thresh mS u16 | 48604 | 48604 ± 2 | • |
| VehDyn AutoCntrLoSpd M str.Timer1 mS u32 | 3304439296 | 3304439296 | Ĵ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 3304439296 | 3304439296 | |
| | 0.000403285027 | 0.000403299142 ± 1.25663627181805E-06 | J |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000403285027 | 0.000403299142 ± 1.25663627181805E-06 0.000113090937 ± 1.25663627181805E-06 | · · |
| 7 | 0.000113070011 | 0.00071368075 ± 1.25663627181805E-06 | Ĭ |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.58859998 | 0.000791368075 ± 1.25663627181805E-06 0.58859998 | |
| VehDyn_SLPHwAuth_Uls_M_f32 VehDyn_SLPHwPos_HwDeg_M_f32 | -1600 | -1600 | |





| Name | Input Value | | |
|------------------------------------------------------------------------|------------------------|----------------------------------------|-------|
| k_AutoCntrHiSpdTimer4_mS_u16 | 37023 | | |
| k_AutoCntrLoSpdCntrWindow_HwDeg_f32 | 62.1222305 | | |
| k_AutoCntrLoSpdFilt1Kn_Hz_f32 | 0.0850000009 | | |
| k_AutoCntrLoSpdFilt2Kn_Hz_f32 | 0.0250000004 | | |
| k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32 | 443.858398 | | |
| k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32 | 3.18688083 | | |
| k_AutoCntrLoSpdTimer1VehSpd_kph_f32 | 226.96962 | | |
| k_AutoCntrLoSpdTimer1_mS_u16 | 54120 | | |
| k_AutoCntrLoSpdTimer2_mS_u16 | 46193 | | |
| k_AutoCntrPinTrqLPFCoeffKn_Hz_f32 | 0.00200000009 | | |
| k_SLPEnableBFCheck_Cnt_lgc | 0 | | |
| k SLPHwAuthority Uls f32 | 0.595200002 | | |
| target Pim MotPosReset.NVMStoredLastPos HwDeg f32 | 1600 | | |
| target Pim MotPosReset.NVMStoredLastPosValid Cnt Igc | 1 | | |
| target Rte Call Ap VehDyn NxtrDiagMgr GetNTCActive NTCActive Ptr T lgc | 0 | | |
| target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset | target_Pim_MotPosReset | | |
| tgt_GetSystemTime_mS_u32_CurrentTime | 2167769344 | | |
| Name | Actual Value | Expected Value | Resul |
| VehDyn AutoCntrDetSpd M str.MtrVel MtrRadpS f32 | 400.168243 | 400.168243 ± 0.2 | • |
| VehDyn AutoCntrDetSpd M str.VehSpd kph f32 | 17.4615631 | 17.4615631 ± 0.5 | |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 19.648386 | 19.648386 ± 0.04 | |
| VehDyn AutoCntrDetSpd M str.CntrWindow HwDeg f32 | 5.39439726 | 5.39439726 ± 0.0625 | |
| VehDyn AutoCntrDetSpd M str.Timer1Thresh mS u16 | 38590 | 38590 ± 2 | ٠, |
| VehDyn AutoCntrDetSpd M str.Timer2Thresh mS u16 | 37023 | 37023 ± 2 | |
| VehDyn AutoCntrDetSpd M str.Timer1 mS u32 | 2167769344 | 2167769344 | |
| VehDyn AutoCntrDetSpd M str.Timer2 mS u32 | 2167769344 | 2167769344 | |
| VehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32 | 0.00106757879 | 0.00106757123 ± 1.25663627181805E-06 | |
| VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32 | 0.000314116478 | 0.00031410993 ± 1.25663627181805E-06 | |
| VehDyn AutoCntrHiSpd M str.MtrVel MtrRadpS f32 | 39.0381813 | 39.0381813 ± 0.2 | |
| VehDyn AutoCntrHiSpd M str.VehSpd kph f32 | 232.692337 | 232.692337 ± 0.5 | |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 5.52265358 | 5.52265358 ± 0.04 | |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 77.5132141 | 77.5132141 ± 0.0625 | |
| VehDyn AutoCntrHiSpd M str.Timer1Thresh mS u16 | 38590 | 38590 ± 2 | |
| VehDyn AutoCntrHiSpd M str.Timer2Thresh mS u16 | 3572 | 3572 ± 2 | |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 2167769344 | 2167769344 | |
| VehDyn AutoCntrHiSpd M str.Timer2 mS u32 | 2167769344 | 2167769344 | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 2.51531601e-005 | 2.51324254e-005 ± 1.25663627181805E-06 | |
| VehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32 | 0.000188469887 | 0.000188477788 ± 1.25663627181805E-06 | |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 443.858398 | 443.858398 ± 0.2 | |
| VehDyn AutoCntrLoSpd M str.VehSpd kph f32 | 226.96962 | 226.96962 ± 0.5 | |
| VehDyn AutoCntrLoSpd M str.FiltPinTrg HwNm f32 | 3.18688083 | 3.18688083 ± 0.04 | |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 62.1222305 | 62.1222305 ± 0.0625 | |
| VehDyn AutoCntrLoSpd M str.Timer1Thresh mS u16 | 54120 | 54120 ± 2 | |
| VehDyn AutoCntrLoSpd M str.Timer2Thresh mS u16 | 46193 | 46193 ± 2 | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 2167769344 | 2167769344 | |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 2167769344 | 2167769344 | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.00106757879 | 0.00106757123 ± 1.25663627181805E-06 | |
| VehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32 | 0.000314116478 | 0.00031410993 ± 1.25663627181805E-06 | |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 2.51531601e-005 | 2.51324254e-005 ± 1.25663627181805E-06 | |
| VehDyn SLPHwAuth Uls M f32 | 0.595200002 | 0.595200002 | |
| VehDyn SLPHwPos HwDeg M f32 | 1600 | 1600 | |

| Τ | | | | ✓ |
|---------------------------------------------|-------|---------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | ~ |
| GetSystemTime mS u32 | 1 | GetSystemTime mS u32 | 1 | ✓ |

| Test Step 2.93 (Repeat Count = 1) | |
|------------------------------------------------------------------|------------------------------------------------------------------------|
| Name | Input Value |
| GetSystemTime_mS_u32(CurrentTime) | tgt_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc) | target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn_2 |
| k_AutoCntrHiSpdCntrWindow_HwDeg_f32 | 7.04372168 |
| k_AutoCntrHiSpdFilt1Kn_Hz_f32 | 0.00499999989 |
| k_AutoCntrHiSpdFilt2Kn_Hz_f32 | 0.00499999989 |
| k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32 | 55.3411407 |
| k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32 | 6.96820259 |
| k_AutoCntrHiSpdTimer1VehSpd_kph_f32 | 102.746277 |
| k_AutoCntrHiSpdTimer1_mS_u16 | 6114 |
| k_AutoCntrHiSpdTimer2_mS_u16 | 3906 |





| Name | Input Value | | |
|------------------------------------------------------------------------------------------------------------------------------------|--------------------------|----------------------------------------------------------------------------------|--------|
| k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32 | 55.9956245 | | |
| k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32 | 84.2065811 | | |
| k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32 | 15.3837309 | | |
| k AutoCntrHiSpdTimer4VehSpd kph f32 | 119.126099 | | |
| k AutoCntrHiSpdTimer4 mS u16 | 32226 | | |
| k AutoCntrLoSpdCntrWindow HwDeg f32 | 9.00450611 | | |
| k AutoCntrLoSpdFilt1Kn Hz f32 | 0.00300000003 | | |
| k_AutoCntrLoSpdFilt2Kn_Hz_f32 | 0.00700000022 | | |
| k AutoCntrLoSpdTimer1MtrVel MtrRadpS f32 | 145.500351 | | |
| k AutoCntrLoSpdTimer1PinTrg HwNm f32 | 12.452816 | | |
| k AutoCntrLoSpdTimer1VehSpd kph f32 | 94.8519287 | | |
| k AutoCntrLoSpdTimer1 mS u16 | 19115 | | |
| k AutoCntrLoSpdTimer2 mS u16 | 24462 | | |
| k AutoCntrPinTrqLPFCoeffKn Hz f32 | 0.004999999999 | | |
| k SLPEnableBFCheck Cnt Igc | 1 | | |
| k SLPHwAuthority Uls f32 | 0.601800025 | | |
| target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 | 0 | | |
| target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_Igc | 1 | | |
| target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc | 1 | | |
| target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset | target_Pim_MotPosReset | | |
| tgt_GetSystemTime_mS_u32_CurrentTime | 3714197504 | | |
| Name | Actual Value | Expected Value | Result |
| | 84.2065811 | Expected Value 84.2065811 ± 0.2 | Result |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | | 04.2005611 ± 0.2 119.126099 ± 0.5 | - |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 119.126099 | | - |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 15.3837309 | 15.3837309 ± 0.04 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 55.9956245 | 55.9956245 ± 0.0625 | - |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 6114 | 6114 ± 2 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 32226 3714197504 | 32226 ± 2 3714197504 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 3714197504 | 3714197504 | - |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 3.76701355e-005 | 3.76984026e-005 ± 1.25663627181805E-06 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 8.79764557e-005 | 8.79607251e-005 ± 1.25663627181805E-06 | |
| | 55.3411407 | 55.3411407 ± 0.2 | |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | | | ~ |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 102.746277 6.96820259 | 102.746277 ± 0.5 6.96820259 ± 0.04 | |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | | | - |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 7.04372168 6114 | 7.04372168 ± 0.0625 6114 ± 2 | |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 3906 | 3906 ± 2 | - |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | | 3714197504 | |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 3714197504 3714197504 | 3714197504 | - |
| VehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32 | 6.28232956e-005 | 6.28298803e-005 ± 1.25663627181805E-06 | |
| | 6.28232956e-005 | 6.28298803e-005 ± 1.25663627181805E-06 | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | | 145.500351 ± 0.2 | |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 145.500351 94.8519287 | 94.8519287 ± 0.5 | ~ |
| VehDyn AutoCntrLoSpd M str.FiltPinTrq HwNm f32 | | 12.452816 ± 0.04 | |
| VehDyn AutoCntrLoSpd M str.CntrWindow HwDeg f32 | 12.452816 9.00450611 | 9.00450611 ± 0.0625 | - |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 19115 | 19115 ± 2 | |
| VehDyn AutoCntrLoSpd M str.Timer2Thresh mS u16 | 24462 | 24462 ± 2 | - |
| VehDyn AutoCntrLoSpd M str.Timer1 mS u32 | | 3714197504 | |
| | 3714197504 3714197504 | | - |
| VehDyn_AutoCntrl_oSpd_M_str.Timer2_mS_u32 | | 3714197504 | |
| VehDyn_AutoCotrl oSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 3.76701355e-005 | 3.76984026e-005 ± 1.25663627181805E-06 | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 8.79764557e-005 | 8.79607251e-005 ± 1.25663627181805E-06 6.28298803e-005 ± 1.25663627181805E-06 | |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 VehDyn_SLPHwAuth_Uls_M_f32 | 6.28232956e-005 0 | 0.28298803e-005 ± 1.25063627181805E-06 | ~ |
| , | 0 | 0 | |
| VehDyn_SLPHwPos_HwDeg_M_f32 | U | U | |

| T | | | | V |
|---------------------------------------------|-------|---------------------------------------------|-------|--------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | • |

| Test Step 2.94 (Repeat Count = 1) | ✓ |
|------------------------------------------------------------------|------------------------------------------------------------------------|
| Name | Input Value |
| GetSystemTime_mS_u32(CurrentTime) | tgt_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc) | target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn_2 |
| k_AutoCntrHiSpdCntrWindow_HwDeg_f32 | 32.0222664 |
| k_AutoCntrHiSpdFilt1Kn_Hz_f32 | 0.0344000012 |
| k_AutoCntrHiSpdFilt2Kn_Hz_f32 | 0.0250000004 |
| k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32 | 575.91394 |





| Name | Input Value | | |
|------------------------------------------------------------------------------------------------|--------------------------|------------------------------------------|----------|
| k AutoCntrHiSpdTimer1PinTrg HwNm f32 | 8.9376688 | | |
| k AutoCntrHiSpdTimer1VehSpd kph f32 | 204.072876 | | |
| k AutoCntrHiSpdTimer1 mS u16 | 5222 | | |
| k AutoCntrHiSpdTimer2 mS u16 | 4240 | | |
| k AutoCntrHiSpdTimer4CntrWindow HwDeg f32 | 93.8445969 | | |
| k AutoCntrHiSpdTimer4MtrVel MtrRadpS f32 | 312.352844 | | |
| k AutoCntrHiSpdTimer4PinTrg HwNm f32 | 8.16609764 | | |
| k_AutoCntrHiSpdTimer4VehSpd_kph_f32 | 68 | | |
| k_AutoCntrHiSpdTimer4_mS_u16 | 31042 | | |
| k AutoCntrLoSpdCntrWindow HwDeg f32 | 95.9834061 | | |
| k AutoCntrLoSpdFilt1Kn Hz f32 | 0.00499999989 | | |
| k_AutoCntrLoSpdFilt2Kn_Hz_f32 | 0.00499999989 | | |
| k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32 | 195.818787 | | |
| k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32 | 7.82910013 | | |
| k_AutoCntrLoSpdTimer1VehSpd_kph_f32 | 29.3435669 | | |
| k_AutoCntrLoSpdTimer1_mS_u16 | 25532 | | |
| k_AutoCntrLoSpdTimer2_mS_u16 | 27401 | | |
| k_AutoCntrPinTrqLPFCoeffKn_Hz_f32 | 0.0344000012 | | |
| k_SLPEnableBFCheck_Cnt_lgc | 0 | | |
| k_SLPHwAuthority_Uls_f32 | 0.608399987 | | |
| target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 | 785.888 | | |
| target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc | 1 | | |
| target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc | 1 | | |
| target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset | target_Pim_MotPosReset | | |
| tgt_GetSystemTime_mS_u32_CurrentTime | 3323480832 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 312.352844 | 312.352844 ± 0.2 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 68 | 68 ± 0.5 | • |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 8.16609764 | 8.16609764 ± 0.04 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 93.8445969 | 93.8445969 ± 0.0625 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 5222 | 5222 ± 2 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 31042 | 31042 ± 2 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 3323480832 | 3323480832 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 3323480832 | 3323480832 | • |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 6.28232956e-005 | 6.28298803e-005 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 6.28232956e-005 | 6.28298803e-005 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 575.91394 | 575.91394 ± 0.2 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 204.072876 | 204.072876 ± 0.5 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 8.9376688 | 8.9376688 ± 0.04 | |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 32.0222664 | 32.0222664 ± 0.0625 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 5222 | 5222 ± 2 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 4240 | 4240 ± 2 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 3323480832 | 3323480832 | |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 3323480832 | 3323480832 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000432193279 | 0.000432189729 ± 1.25663627181805E-06 | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000314116478 | 0.00031410993 ± 1.25663627181805E-06 | • |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 195.818787 | 195.818787 ± 0.2 | - |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 29.3435669 | 29.3435669 ± 0.5 | V |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 7.82910013 95.9834061 | 7.82910013 ± 0.04 95.9834061 ± 0.0625 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 25532 | 25532 ± 2 | |
| | | 27401 ± 2 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 27401 3323480832 | 3323480832 | 2 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 3323480832 | 3323480832 | - |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 6.28232956e-005 | 6.28298803e-005 ± 1.25663627181805E-06 | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 6.28232956e-005 | 6.28298803e-005 ± 1.25663627181805E-06 | ~ |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000432193279 | 0.000432189729 ± 1.25663627181805E-06 | |
| VehDyn SLPHwAuth Uls M f32 | 0.608399987 | 0.608399987 | - |
| VehDyn_SLPHwPos_HwDeg_M_f32 | 785.888 | 785.888 | |
| 10.15 J.102. 11m 00_11m509_m_102 | . 55.556 | . 55.550 | |

| T | | | | V |
|---------------------------------------------|-------|---------------------------------------------|-------|--------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |

| Test Step 2.95 (Repeat Count = 1) | v v v v v v v v v v v v v v v v v v v |
|------------------------------------------------------------------|------------------------------------------------------------------------|
| Name | Input Value |
| GetSystemTime_mS_u32(CurrentTime) | tgt_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc) | target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn_2 |





| Name | Input Value | | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|
| k AutoCntrHiSpdCntrWindow HwDeg f32 | 7.2738266 | | |
| k_AutoCntrHiSpdFilt1Kn_Hz_f32 | 0.0458000004 | | |
| k AutoCntrHiSpdFilt2Kn Hz f32 | 0.063000004 | | |
| k AutoCntrHiSpdTimer1MtrVel MtrRadpS f32 | 460.901886 | | |
| k AutoCntrHiSpdTimer1PinTrq HwNm f32 | 8.00629902 | | |
| | | | |
| k_AutoCntrHiSpdTimer1VehSpd_kph_f32 | 92.026535 | | |
| k_AutoCntrHiSpdTimer1_mS_u16 | 16931 | | |
| k_AutoCntrHiSpdTimer2_mS_u16 | 4574 | | |
| k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32 | 51.3993683 | | |
| k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32 | 119.134666 | | |
| k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32 | 0 | | |
| k_AutoCntrHiSpdTimer4VehSpd_kph_f32 | 103.723984 | | |
| k_AutoCntrHiSpdTimer4_mS_u16 | 51145 | | |
| k_AutoCntrLoSpdCntrWindow_HwDeg_f32 | 65.2026672 | | |
| k_AutoCntrLoSpdFilt1Kn_Hz_f32 | 0.0089999961 | | |
| k_AutoCntrLoSpdFilt2Kn_Hz_f32 | 0.0250000004 | | |
| k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32 | 581.690918 | | |
| k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32 | 6.79465103 | | |
| k_AutoCntrLoSpdTimer1VehSpd_kph_f32 | 236.401962 | | |
| k_AutoCntrLoSpdTimer1_mS_u16 | 46296 | | |
| k_AutoCntrLoSpdTimer2_mS_u16 | 9393 | | |
| k_AutoCntrPinTrqLPFCoeffKn_Hz_f32 | 0.0458000004 | | |
| k_SLPEnableBFCheck_Cnt_lgc | 1 | | |
| k_SLPHwAuthority_Uls_f32 | 0.61500001 | | |
| target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 | -809.921021 | | |
| target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc | 1 | | |
| $target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc$ | 0 | | |
| target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset | target_Pim_MotPosReset | | |
| tgt_GetSystemTime_mS_u32_CurrentTime | 71426560 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 119.134666 | 119.134666 ± 0.2 | ~ |
| VehDyn AutoCntrDetSpd M str.VehSpd kph f32 | 103.723984 | 103.723984 ± 0.5 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 0 | 0 ± 0.04 | _ |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 51.3993683 | 51.3993683 ± 0.0625 | • |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 16931 | 16931 ± 2 | _ |
| VehDyn AutoCntrDetSpd M str.Timer2Thresh mS u16 | 51145 | 51145 ± 2 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 71426560 | 71426560 | _ |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 71426560 | 71426560 | - |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000113070011 | 0.000113090937 ± 1.25663627181805E-06 | - |
| | 0.000314116478 | 0.000113030337 ± 1.25063627181805E-06 | - |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | | | |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 460.901886 | 460.901886 ± 0.2 | |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 92.026535 | 92.026535 ± 0.5 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 8.00629902 | 8.00629902 ± 0.04 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 7.2738266 | 7.2738266 ± 0.0625 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 16931 | 16931 ± 2 | ~ |
| | | | |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 4574 | 4574 ± 2 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 4574 71426560 | 71426560 | ~ |
| | | | y |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 71426560 | 71426560 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 71426560 71426560 | 71426560 71426560 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 71426560 71426560 0.000575363636 | 71426560 71426560 0.000575374172 ± 1.25663627181805E-06 | * |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 71426560 71426560 0.000575363636 0.000791370869 | 71426560 71426560 0.000575374172 ± 1.25663627181805E-06 0.000791368075 ± 1.25663627181805E-06 | · · · · · · · · · · · · · · · · · · · |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 71426560 71426560 0.000575363636 0.000791370869 581.690918 | 71426560 71426560 0.000575374172 ± 1.25663627181805E-06 0.000791368075 ± 1.25663627181805E-06 581.690918 ± 0.2 | · · · · · · |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 71426560 71426560 0.000575363636 0.000791370869 581.690918 236.401962 | 71426560 71426560 0.000575374172 ± 1.25663627181805E-06 0.000791368075 ± 1.25663627181805E-06 581.690918 ± 0.2 236.401962 ± 0.5 | · · · · · · · · · · · · · · · · · · · |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 71426560 71426560 0.000575363636 0.000791370869 581.690918 236.401962 6.79465103 | 71426560 71426560 0.000575374172 ± 1.25663627181805E-06 0.000791368075 ± 1.25663627181805E-06 581.690918 ± 0.2 236.401962 ± 0.5 6.79465103 ± 0.04 | *************************************** |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 71426560 71426560 0.000575363636 0.000791370869 581.690918 236.401962 6.79465103 65.2026672 | 71426560 71426560 0.000575374172 ± 1.25663627181805E-06 0.000791368075 ± 1.25663627181805E-06 581.690918 ± 0.2 236.401962 ± 0.5 6.79465103 ± 0.04 65.2026672 ± 0.0625 | · · · · · · · · · · · · · · · · · · · |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 71426560 71426560 0.000575363636 0.000791370869 581.690918 236.401962 6.79465103 65.2026672 46296 | 71426560 71426560 0.000575374172 ± 1.25663627181805E-06 0.000791368075 ± 1.25663627181805E-06 581.690918 ± 0.2 236.401962 ± 0.5 6.79465103 ± 0.04 65.2026672 ± 0.0625 46296 ± 2 | *************************************** |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 71426560 71426560 0.000575363636 0.000791370869 581.690918 236.401962 6.79465103 65.2026672 46296 9393 | 71426560 71426560 0.000575374172 ± 1.25663627181805E-06 0.000791368075 ± 1.25663627181805E-06 581.690918 ± 0.2 236.401962 ± 0.5 6.79465103 ± 0.04 65.2026672 ± 0.0625 46296 ± 2 9393 ± 2 | *************************************** |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Reil+wPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Reil+wPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 71426560 71426560 0.000575363636 0.000791370869 581.690918 236.401962 6.79465103 65.2026672 46296 9393 71426560 | 71426560 71426560 0.000575374172 ± 1.25663627181805E-06 0.000791368075 ± 1.25663627181805E-06 581.690918 ± 0.2 236.401962 ± 0.5 6.79465103 ± 0.04 65.2026672 ± 0.0625 46296 ± 2 9393 ± 2 71426560 | *************************************** |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 71426560 71426560 0.000575363636 0.000791370869 581.690918 236.401962 6.79465103 65.2026672 46296 9393 71426560 71426560 | $71426560 \\ 71426560 \\ 0.000575374172 \pm 1.25663627181805E-06 \\ 0.000791368075 \pm 1.25663627181805E-06 \\ 581.690918 \pm 0.2 \\ 236.401962 \pm 0.5 \\ 6.79465103 \pm 0.04 \\ 65.2026672 \pm 0.0625 \\ 46296 \pm 2 \\ 9393 \pm 2 \\ 71426560 \\ 71426560$ | *************************************** |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 71426560 71426560 0.000575363636 0.000791370869 581.690918 236.401962 6.79465103 65.2026672 46296 9393 71426560 71426560 0.000113070011 0.000314116478 | $71426560 \\ 71426560 \\ 0.000575374172 \pm 1.25663627181805E-06 \\ 0.000791368075 \pm 1.25663627181805E-06 \\ 581.690918 \pm 0.2 \\ 236.401962 \pm 0.5 \\ 6.79465103 \pm 0.04 \\ 65.2026672 \pm 0.0625 \\ 46296 \pm 2 \\ 9393 \pm 2 \\ 71426560 \\ 71426560 \\ 0.000113090937 \pm 1.25663627181805E-06 \\ 0.00031410993 \pm 1.25663627181805E-06 \\ $ | *************************************** |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_PinTrqSV_M_str.K_Uls_f32 | 71426560 71426560 0.000575363636 0.000791370869 581.690918 236.401962 6.79465103 65.2026672 46296 9393 71426560 71426560 0.000113070011 0.000314116478 0.000575363636 | 71426560 71426560 0.000575374172 ± 1.25663627181805E-06 0.000791368075 ± 1.25663627181805E-06 581.690918 ± 0.2 236.401962 ± 0.5 6.79465103 ± 0.04 65.2026672 ± 0.0625 46296 ± 2 9393 ± 2 71426560 71426560 0.000113090937 ± 1.25663627181805E-06 0.00031410993 ± 1.25663627181805E-06 0.000575374172 ± 1.25663627181805E-06 | *************************************** |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFitt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFitt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.WtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 71426560 71426560 0.000575363636 0.000791370869 581.690918 236.401962 6.79465103 65.2026672 46296 9393 71426560 71426560 0.000113070011 0.000314116478 | $71426560 \\ 71426560 \\ 0.000575374172 \pm 1.25663627181805E-06 \\ 0.000791368075 \pm 1.25663627181805E-06 \\ 581.690918 \pm 0.2 \\ 236.401962 \pm 0.5 \\ 6.79465103 \pm 0.04 \\ 65.2026672 \pm 0.0625 \\ 46296 \pm 2 \\ 9393 \pm 2 \\ 71426560 \\ 71426560 \\ 0.000113090937 \pm 1.25663627181805E-06 \\ 0.00031410993 \pm 1.25663627181805E-06 \\ $ | *************************************** |

| T | | | | ✓ |
|---------------------------------------------|-------|---------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ✓ |





| Test Step 2.96 (Repeat Count = 1) | | | V |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|
| Name | Input Value | | |
| GetSystemTime_mS_u32(CurrentTime) | tgt_GetSystemTime_mS_u32_CurrentTime | | |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc) | target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_ | _GetNTCActive_NTCActive_Ptr_T_lgc | |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn_2 | | |
| k_AutoCntrHiSpdCntrWindow_HwDeg_f32 | 58.6891289 | | |
| k_AutoCntrHiSpdFilt1Kn_Hz_f32 | 0.0250000004 | | |
| k_AutoCntrHiSpdFilt2Kn_Hz_f32 | 0.0250000004 | | |
| k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32 | 57.2952843 | | |
| k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32 | 2.56739569 | | |
| k_AutoCntrHiSpdTimer1VehSpd_kph_f32 | 11.313797 | | |
| k_AutoCntrHiSpdTimer1_mS_u16 | 20825 | | |
| k_AutoCntrHiSpdTimer2_mS_u16 | 12456 | | |
| k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32 | 91.4300919 | | |
| k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32 | 459.889984 | | |
| k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32 | 18.1788235 | | |
| k_AutoCntrHiSpdTimer4VehSpd_kph_f32 | 195.647476 | | |
| k_AutoCntrHiSpdTimer4_mS_u16 | 47347 | | |
| k_AutoCntrLoSpdCntrWindow_HwDeg_f32 | 45.5890503 | | |
| k_AutoCntrLoSpdFilt1Kn_Hz_f32 | 0.0250000004 | | |
| k_AutoCntrLoSpdFilt2Kn_Hz_f32 | 0.0670000017 | | |
| k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32 | 195.074249 | | |
| k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32 | 15.5773945 | | |
| k_AutoCntrLoSpdTimer1VehSpd_kph_f32 | 208.55397 | | |
| k_AutoCntrLoSpdTimer1_mS_u16 | 19617 | | |
| k_AutoCntrLoSpdTimer2_mS_u16 | 42138 | | |
| k_AutoCntrPinTrqLPFCoeffKn_Hz_f32 | 0.0250000004 | | |
| k_SLPEnableBFCheck_Cnt_lgc | 1 | | |
| k_SLPHwAuthority_Uls_f32 | 0.45660001 | | |
| target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 | -233.128998 | | |
| target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc | 0 | | |
| target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc | 1 | | |
| target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset | target_Pim_MotPosReset | | |
| tgt_GetSystemTime_mS_u32_CurrentTime | | | |
| Name | | Europeted Value | Daguile |
| Name | Actual Value | Expected Value | Result |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | Actual Value 459.889984 | 459.889984 ± 0.2 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | Actual Value 459.889984 195.647476 | 459.889984 ± 0.2 195.647476 ± 0.5 | |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | Actual Value 459.889984 195.647476 18.1788235 | 459.889984 ± 0.2 195.647476 ± 0.5 18.1788235 ± 0.04 | |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | Actual Value 459.889984 195.647476 18.1788235 91.4300919 | 459.889984 ± 0.2 195.647476 ± 0.5 18.1788235 ± 0.04 91.4300919 ± 0.0625 | |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | Actual Value 459.889984 195.647476 18.1788235 91.4300919 20825 | 459.889984 ± 0.2 195.647476 ± 0.5 18.1788235 ± 0.04 91.4300919 ± 0.0625 20825 ± 2 | |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | Actual Value 459.889984 195.647476 18.1788235 91.4300919 20825 47347 | 459.889984 ± 0.2 195.647476 ± 0.5 18.1788235 ± 0.04 91.4300919 ± 0.0625 20825 ± 2 47347 ± 2 | 0 |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | Actual Value 459.889984 195.647476 18.1788235 91.4300919 20825 47347 0 | 459.889984 ± 0.2 195.647476 ± 0.5 18.1788235 ± 0.04 91.4300919 ± 0.0625 20825 ± 2 47347 ± 2 | 0 |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | Actual Value 459.889984 195.647476 18.1788235 91.4300919 20825 47347 0 | 459.889984 ± 0.2 195.647476 ± 0.5 18.1788235 ± 0.04 91.4300919 ± 0.0625 20825 ± 2 47347 ± 2 0 | |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | Actual Value 459.889984 195.647476 18.1788235 91.4300919 20825 47347 0 0 0.000314116478 | 459.889984 ± 0.2 195.647476 ± 0.5 18.1788235 ± 0.04 91.4300919 ± 0.0625 20825 ± 2 47347 ± 2 0 0 0.00031410993 ± 1.25663627181805E-06 | |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | Actual Value 459.889984 195.647476 18.1788235 91.4300919 20825 47347 0 0 0.000314116478 0.000841617584 | 459.889984 ± 0.2 195.647476 ± 0.5 18.1788235 ± 0.04 91.4300919 ± 0.0625 20825 ± 2 47347 ± 2 0 0 0.00031410993 ± 1.25663627181805E-06 0.000841592497 ± 1.25663627181805E-06 | |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | Actual Value 459.889984 195.647476 18.1788235 91.4300919 20825 47347 0 0 0.000314116478 0.000841617584 57.2952843 | 459.889984 ± 0.2 195.647476 ± 0.5 18.1788235 ± 0.04 91.4300919 ± 0.0625 20825 ± 2 47347 ± 2 0 0 0.00031410993 ± 1.25663627181805E-06 0.000841592497 ± 1.25663627181805E-06 57.2952843 ± 0.2 | 0 |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | Actual Value 459.889984 195.647476 18.1788235 91.4300919 20825 47347 0 0 0.000314116478 0.000841617584 57.2952843 11.313797 | 459.889984 ± 0.2 195.647476 ± 0.5 18.1788235 ± 0.04 91.4300919 ± 0.0625 20825 ± 2 47347 ± 2 0 0 0.00031410993 ± 1.25663627181805E-06 0.000841592497 ± 1.25663627181805E-06 57.2952843 ± 0.2 11.313797 ± 0.5 | 0 |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiitPinTrq_HwNm_f32 | Actual Value 459.889984 195.647476 18.1788235 91.4300919 20825 47347 0 0 0.000314116478 0.000841617584 57.2952843 11.313797 2.56739569 | 459.889984 ± 0.2 195.647476 ± 0.5 18.1788235 ± 0.04 91.4300919 ± 0.0625 20825 ± 2 47347 ± 2 0 0 0.00031410993 ± 1.25663627181805E-06 0.000841592497 ± 1.25663627181805E-06 57.2952843 ± 0.2 11.313797 ± 0.5 2.56739569 ± 0.04 | 0 |
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| VehDyn_AutoCntrDetSpd_M_str.WtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Wtvel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | Actual Value 459.889984 196.647476 18.1788235 91.4300919 20825 47347 0 0 0.000314116478 0.000841617584 57.2952843 11.313797 2.56739569 58.6891289 20825 12456 0 0 0.000314116478 0.000314116478 195.074249 | 459.889984 ± 0.2 195.647476 ± 0.5 18.1788235 ± 0.04 91.4300919 ± 0.0625 20825 ± 2 47347 ± 2 0 0.00031410993 ± 1.25663627181805E-06 0.000841592497 ± 1.25663627181805E-06 57.2952843 ± 0.2 11.313797 ± 0.5 2.56739569 ± 0.04 58.6891289 ± 0.0625 20825 ± 2 12456 ± 2 0 0 0.00031410993 ± 1.25663627181805E-06 0.00031410993 ± 1.25663627181805E-06 195.074249 ± 0.2 | |
| VehDyn_AutoCntrDetSpd_M_str.WtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.WtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHoppd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.NetVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | Actual Value 459.889984 195.647476 18.1788235 91.4300919 20825 47347 0 0 0.000314116478 0.000841617584 57.2952843 11.313797 2.56739569 58.6891289 20825 12456 0 0 0.000314116478 0.000314116478 195.074249 208.55397 | 459.889984 ± 0.2 195.647476 ± 0.5 18.1788235 ± 0.04 91.4300919 ± 0.0625 20825 ± 2 47347 ± 2 0 0.00031410993 ± 1.25663627181805E-06 0.000841592497 ± 1.25663627181805E-06 57.2952843 ± 0.2 11.313797 ± 0.5 2.56739569 ± 0.04 58.6891289 ± 0.0625 20825 ± 2 12456 ± 2 0 0 0.00031410993 ± 1.25663627181805E-06 0.00031410993 ± 1.25663627181805E-06 195.074249 ± 0.2 208.55397 ± 0.5 | |
| VehDyn_AutoCntrDetSpd_M_str.NtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFitl1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFitl2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.NtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.Str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.NtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | Actual Value 459.889984 195.647476 18.1788235 91.4300919 20825 47347 0 0 0.000314116478 0.000841617584 57.2952843 11.313797 2.56739569 58.6891289 20825 12456 0 0 0.000314116478 0.000314116478 195.074249 208.55397 15.5773945 | 459.889984 ± 0.2 195.647476 ± 0.5 18.1788235 ± 0.04 91.4300919 ± 0.0625 20825 ± 2 47347 ± 2 0 0 0.00031410993 ± 1.25663627181805E-06 0.000841592497 ± 1.25663627181805E-06 57.2952843 ± 0.2 11.313797 ± 0.5 2.56739569 ± 0.04 58.6891289 ± 0.0625 20825 ± 2 12456 ± 2 0 0 0.00031410993 ± 1.25663627181805E-06 0.00031410993 ± 1.25663627181805E-06 195.074249 ± 0.2 208.55397 ± 0.5 15.5773945 ± 0.04 | |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.NtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.NtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.NtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | Actual Value 459.889984 195.647476 18.1788235 91.4300919 20825 47347 0 0 0.000314116478 0.000841617584 57.2952843 11.313797 2.56739569 58.6891289 20825 12456 0 0 0.000314116478 0.000314116478 195.074249 208.55397 15.5773945 45.5890503 | 459.889984 ± 0.2 195.647476 ± 0.5 18.1788235 ± 0.04 91.4300919 ± 0.0625 20825 ± 2 47347 ± 2 0 0 0.00031410993 ± 1.25663627181805E-06 0.000841592497 ± 1.25663627181805E-06 57.2952843 ± 0.2 11.313797 ± 0.5 2.56739569 ± 0.04 58.6891289 ± 0.0625 20825 ± 2 12456 ± 2 0 0 0.00031410993 ± 1.25663627181805E-06 0.00031410993 ± 1.25663627181805E-06 195.074249 ± 0.2 208.55397 ± 0.5 15.5773945 ± 0.04 45.5890503 ± 0.0625 | |
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| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Wtvel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFiit2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.NelSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.NelSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.NelSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u20 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | Actual Value 459.889984 195.647476 18.1788235 91.4300919 20825 47347 0 0 0.000314116478 0.000841617584 57.2952843 11.313797 2.56739569 58.6891289 20825 12456 0 0 0.000314116478 0.000314116478 195.074249 208.55397 15.5773945 45.5890503 19617 42138 0 0 0.000314116478 | 459.889984 ± 0.2 195.647476 ± 0.5 18.1788235 ± 0.04 91.4300919 ± 0.0625 20825 ± 2 47347 ± 2 0 0 0.00031410993 ± 1.25663627181805E-06 0.000841592497 ± 1.25663627181805E-06 57.2952843 ± 0.2 11.313797 ± 0.5 2.56739569 ± 0.04 58.6891289 ± 0.0625 20825 ± 2 12456 ± 2 0 0 0.00031410993 ± 1.25663627181805E-06 195.074249 ± 0.2 208.55397 ± 0.5 15.5773945 ± 0.04 45.5890503 ± 0.0625 19617 ± 2 42138 ± 2 0 0 0.00031410993 ± 1.25663627181805E-06 | |
| VehDyn_AutoCntrDetSpd_M_str.WtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.WtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.NtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.NtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.NtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.NtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFiltSV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_ | Actual Value 459.889984 195.647476 18.1788235 91.4300919 20825 47347 0 0 0.000314116478 0.000841617584 57.2952843 11.313797 2.56739569 58.6891289 20825 12456 0 0 0.000314116478 0.000314116478 195.074249 208.55397 15.5773945 45.5890503 19617 42138 0 0 0.000314116478 0.000314116478 | 459.889984 ± 0.2 195.647476 ± 0.5 18.1788235 ± 0.04 91.4300919 ± 0.0625 20825 ± 2 47347 ± 2 0 0 0.00031410993 ± 1.25663627181805E-06 0.000841592497 ± 1.25663627181805E-06 57.2952843 ± 0.2 11.313797 ± 0.5 2.56739569 ± 0.04 58.6891289 ± 0.0625 20825 ± 2 12456 ± 2 0 0 0.00031410993 ± 1.25663627181805E-06 0.00031410993 ± 1.25663627181805E-06 195.074249 ± 0.2 208.55397 ± 0.5 15.5773945 ± 0.04 45.5890503 ± 0.0625 19617 ± 2 42138 ± 2 0 0 0.00031410993 ± 1.25663627181805E-06 0.00031410993 ± 1.25663627181805E-06 | |
| VehDyn_AutoCntrDetSpd_M_str.WtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.WehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_PinTrqSV_M_str.K_Uls_f32 | Actual Value 459.889984 195.647476 18.1788235 91.4300919 20825 47347 0 0 0.000314116478 0.000841617584 57.2952843 11.313797 2.56739569 58.6891289 20825 12456 0 0 0.000314116478 0.000314116478 195.074249 208.55397 15.5773945 45.5890503 19617 42138 0 0 0.000314116478 0.000314116478 0.000314116478 | 459.889984 ± 0.2 195.647476 ± 0.5 18.1788235 ± 0.04 91.4300919 ± 0.0625 20825 ± 2 47347 ± 2 0 0.00031410993 ± 1.25663627181805E-06 0.000841592497 ± 1.25663627181805E-06 57.2952843 ± 0.2 11.313797 ± 0.5 2.56739569 ± 0.04 58.6891289 ± 0.0625 20825 ± 2 12456 ± 2 0 0 0.00031410993 ± 1.25663627181805E-06 0.00031410993 ± 1.25663627181805E-06 195.074249 ± 0.2 208.55397 ± 0.5 15.5773945 ± 0.04 45.5890503 ± 0.0625 19617 ± 2 42138 ± 2 0 0 0.00031410993 ± 1.25663627181805E-06 | Result |
| VehDyn_AutoCntrDetSpd_M_str.WtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.WtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.NtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.NtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.NtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.NtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFiltSV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_ | Actual Value 459.889984 195.647476 18.1788235 91.4300919 20825 47347 0 0 0.000314116478 0.000841617584 57.2952843 11.313797 2.56739569 58.6891289 20825 12456 0 0 0.000314116478 0.000314116478 195.074249 208.55397 15.5773945 45.5890503 19617 42138 0 0 0.000314116478 0.000314116478 | 459.889984 ± 0.2 195.647476 ± 0.5 18.1788235 ± 0.04 91.4300919 ± 0.0625 20825 ± 2 47347 ± 2 0 0 0.00031410993 ± 1.25663627181805E-06 0.000841592497 ± 1.25663627181805E-06 57.2952843 ± 0.2 11.313797 ± 0.5 2.56739569 ± 0.04 58.6891289 ± 0.0625 20825 ± 2 12456 ± 2 0 0 0.00031410993 ± 1.25663627181805E-06 0.00031410993 ± 1.25663627181805E-06 195.074249 ± 0.2 208.55397 ± 0.5 15.5773945 ± 0.04 45.5890503 ± 0.0625 19617 ± 2 42138 ± 2 0 0 0.00031410993 ± 1.25663627181805E-06 0.00031410993 ± 1.25663627181805E-06 | |



| Τ | | | | ✓ |
|---------------------------------------------|-------|---------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ✓ |

| Test Step 2.97 (Repeat Count = 1) Name | Input Value | | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|
| GetSystemTime mS u32(CurrentTime) | tgt GetSystemTime mS u32 CurrentTin | ne | |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc) | target_Rte_Call_Ap_VehDyn_NxtrDiagM | | |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn_2 | g u1 | |
| k AutoCntrHiSpdCntrWindow HwDeg f32 | 39.9920425 | | |
| k_AutoCntrHiSpdFilt1Kn_Hz_f32 | 0.000199999995 | | |
| k_AutoCntrHiSpdFilt2Kn_Hz_f32 | 0.0350000001 | | |
| | 595.803711 | | |
| k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32 k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32 | 20 | | |
| | 249.256897 | | |
| k_AutoCntrHiSpdTimer1VehSpd_kph_f32 | 51762 | | |
| <_AutoCntrHiSpdTimer1_mS_u16 | | | |
| <_AutoCntrHiSpdTimer2_mS_u16 | 1234 | | |
| <_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32 | 52.9036674 | | |
| <_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32 | 637.189331 | | |
| <_AutoCntrHiSpdTimer4PinTrq_HwNm_f32 | 4.48333788 | | |
| <_AutoCntrHiSpdTimer4VehSpd_kph_f32 | 60.9433594 | | |
| c_AutoCntrHiSpdTimer4_mS_u16 | 35091 | | |
| <_AutoCntrLoSpdCntrWindow_HwDeg_f32 | 70.5879364 | | |
| <_AutoCntrLoSpdFilt1Kn_Hz_f32 | 0.063000001 | | |
| <_AutoCntrLoSpdFilt2Kn_Hz_f32 | 0.0060000005 | | |
| <_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32 | 112.469505 | | |
| C_AutoCntrLoSpdTimer1PinTrq_HwNm_f32 | 9.19094181 | | |
| x_AutoCntrLoSpdTimer1VehSpd_kph_f32 | 138.473877 | | |
| _AutoCntrLoSpdTimer1_mS_u16 | 45601 | | |
| x_AutoCntrLoSpdTimer2_mS_u16 | 16090 | | |
| x_AutoCntrPinTrqLPFCoeffKn_Hz_f32 | 0.0250000004 | | |
| s_SLPEnableBFCheck_Cnt_lgc | 0 | | |
| c_SLPHwAuthority_Uls_f32 | 0.463200003 | | |
| arget_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 | -257.161987 | | |
| arget_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc | 1 | | |
| target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc | 1 | | |
| target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset | target_Pim_MotPosReset | | |
| tgt_GetSystemTime_mS_u32_CurrentTime | 4294967295 | | |
| Name | Actual Value | Expected Value | Res |
| /ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 637.189331 | 637.189331 ± 0.2 | |
| /ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 60.9433594 | 60.9433594 ± 0.5 | |
| /ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 4.48333788 | 4.48333788 ± 0.04 | |
| /ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 52.9036674 | 52.9036674 ± 0.0625 | |
| /ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 51762 | 51762 ± 2 | |
| /ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 35091 | 35091 ± 2 | |
| /ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 4294967295 | 4294967295 | |
| /ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 4294967295 | 4294967295 | |
| /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000791370869 | 0.000791368075 ± 1.25663627181805E-06 | |
| /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 7.53998756e-005 | 7.53953791e-005 ± 1.25663627181805E-06 | |
| /ehDyn AutoCntrHiSpd M str.MtrVel MtrRadpS f32 | 595.803711 | 595.803711 ± 0.2 | |
| /ehDyn AutoCntrHiSpd M str.VehSpd kph f32 | 249.256897 | 249.256897 ± 0.5 | |
| /ehDyn AutoCntrHiSpd M str.FiltPinTrg HwNm f32 | 20 | 20 ± 0.04 | |
| /ehDyn AutoCntrHiSpd M str.CntrWindow HwDeg f32 | 39.9920425 | 39.9920425 ± 0.0625 | |
| /ehDyn AutoCntrHiSpd M str.Timer1Thresh mS u16 | 51762 | 51762 ± 2 | |
| /ehDyn AutoCntrHiSpd M str.Timer2Thresh mS u16 | 1234 | 1234 ± 2 | |
| | 4294967295 | 4294967295 | |
| | | 120 1001 200 | |
| /ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | | 4294967295 | |
| /ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 /ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 4294967295 | 4294967295 2.51327106e-006 ± 1.25663627181805E-06 | |
| /ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 /ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 4294967295 2.50339508e-006 | 2.51327106e-006 ± 1.25663627181805E-06 | |
| /ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 /ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_UIs_f32 /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 | 4294967295 2.50339508e-006 0.000439703465 | 2.51327106e-006 ± 1.25663627181805E-06 0.000439726253 ± 1.25663627181805E-06 | |
| /ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 /ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_UIs_f32 /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 /ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 4294967295 2.50339508e-006 0.000439703465 112.469505 | 2.51327106e-006 ± 1.25663627181805E-06 0.000439726253 ± 1.25663627181805E-06 112.469505 ± 0.2 | |
| /ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 /ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrLiSpd_M_str.MtrVel_MtrRadpS_f32 /ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 4294967295 2.50339508e-006 0.000439703465 112.469505 138.473877 | 2.51327106e-006 ± 1.25663627181805E-06 0.000439726253 ± 1.25663627181805E-06 112.469505 ± 0.2 138.473877 ± 0.5 | |
| /ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 /ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_UIs_f32 /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 /ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 /ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 /ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 4294967295 2.50339508e-006 0.000439703465 112.469505 138.473877 9.19094181 | 2.51327106e-006 ± 1.25663627181805E-06 0.000439726253 ± 1.25663627181805E-06 112.469505 ± 0.2 138.473877 ± 0.5 9.19094181 ± 0.04 | |
| /ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 /ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 /ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 /ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 /ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 4294967295 2.50339508e-006 0.000439703465 112.469505 138.473877 9.19094181 70.5879364 | 2.51327106e-006 ± 1.25663627181805E-06 0.000439726253 ± 1.25663627181805E-06 112.469505 ± 0.2 138.473877 ± 0.5 9.19094181 ± 0.04 70.5879364 ± 0.0625 | |
| /ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 /ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_UIs_f32 /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 /ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 /ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 /ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 /ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 /ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 4294967295 2.50339508e-006 0.000439703465 112.469505 138.473877 9.19094181 70.5879364 45601 | 2.51327106e-006 ± 1.25663627181805E-06 0.000439726253 ± 1.25663627181805E-06 112.469505 ± 0.2 138.473877 ± 0.5 9.19094181 ± 0.04 70.5879364 ± 0.0625 45601 ± 2 | |
| /ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 /ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 /ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 /ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 /ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 /ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 /ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 4294967295 2.50339508e-006 0.000439703465 112.469505 138.473877 9.19094181 70.5879364 45601 16090 | 2.51327106e-006 ± 1.25663627181805E-06 0.000439726253 ± 1.25663627181805E-06 112.469505 ± 0.2 138.473877 ± 0.5 9.19094181 ± 0.04 70.5879364 ± 0.0625 45601 ± 2 16090 ± 2 | |
| /ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 /ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_UIs_f32 /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 /ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 /ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 /ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 /ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 /ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 /ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 /ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 4294967295 2.50339508e-006 0.000439703465 112.469505 138.473877 9.19094181 70.5879364 45601 16090 4294967295 | 2.51327106e-006 ± 1.25663627181805E-06 0.000439726253 ± 1.25663627181805E-06 112.469505 ± 0.2 138.473877 ± 0.5 9.19094181 ± 0.04 70.5879364 ± 0.0625 45601 ± 2 16090 ± 2 4294967295 | |
| /ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 /ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFit1SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFit1SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 /ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 /ehDyn_AutoCntrLoSpd_M_str.FitlPinTrq_HwNm_f32 /ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 /ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 /ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 /ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 /ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 /ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 /ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 /ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 /ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 4294967295 2.50339508e-006 0.000439703465 112.469505 138.473877 9.19094181 70.5879364 45601 16090 | 2.51327106e-006 ± 1.25663627181805E-06 0.000439726253 ± 1.25663627181805E-06 112.469505 ± 0.2 138.473877 ± 0.5 9.19094181 ± 0.04 70.5879364 ± 0.0625 45601 ± 2 16090 ± 2 | |





| Name | Actual Value | Expected Value | Result |
|---------------------------------|----------------|--------------------------------------|----------|
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000314116478 | 0.00031410993 ± 1.25663627181805E-06 | ~ |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.463200003 | 0.463200003 | ~ |
| VehDyn SLPHwPos HwDeg M f32 | -257.161987 | -257.161987 | ✓ |

| Τ | | | | ✓ |
|---------------------------------------------|-------|---------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |

| Name | Input Value | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| GetSystemTime_mS_u32(CurrentTime) | tgt_GetSystemTime_mS_u32_CurrentTime | |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc) | target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc | |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn_2 | |
| k AutoCntrHiSpdCntrWindow HwDeg f32 | 40.3496017 | |
| k_AutoCntrHiSpdFilt1Kn_Hz_f32 | 0.100000001 | |
| k AutoCntrHiSpdFilt2Kn Hz f32 | 0.0560000017 | |
| k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32 | 31.3933392 | |
| k AutoCntrHiSpdTimer1PinTrg HwNm f32 | 16.8332462 | |
| k_AutoCntrHiSpdTimer1VehSpd_kph_f32 | 3.91197205 | |
| k AutoCntrHiSpdTimer1 mS u16 | 49799 | |
| k AutoCntrHiSpdTimer2 mS u16 | 1568 | |
| k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32 | 46.9611549 | |
| k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32 | 190.477554 | |
| k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32 | 6.47036648 | |
| k AutoCntrHiSpdTimer4VehSpd kph f32 | 178.790085 | |
| k AutoCntrHiSpdTimer4 mS u16 | 53632 | |
| k_AutoCntrLoSpdCntrWindow_HwDeg_f32 | 50.4249611 | |
| k_AutoCntrLoSpdFilt1Kn_Hz_f32 | 0.061999999 | |
| AutoCntrLoSpdFilt2Kn Hz f32 | 0.00779999979 | |
| k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32 | 114.137932 | |
| k_AutoCntrLoSpdTimer1MitrVer_MitrRadpS_132 | 1.6375922 | |
| | 109.448532 | |
| <pre><_AutoCntrLoSpdTimer1VehSpd_kph_f32 <_AutoCntrLoSpdTimer1_mS_u16</pre> | 37638 | |
| | 34521 | |
| k_AutoCntrLoSpdTimer2_mS_u16 | 0.00499999999 | |
| k_AutoCntrPinTrqLPFCoeffKn_Hz_f32 | 1 | |
| k_SLPEnableBFCheck_Cnt_lgc | | |
| k_SLPHwAuthority_UIs_f32 | 0.469799995 | |
| target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 | -281.195007 | |
| target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_Igc | 0 | |
| target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc | 1 | |
| target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset | target_Pim_MotPosReset | |
| tgt_GetSystemTime_mS_u32_CurrentTime | 1720406272 | |
| | | |
| Name | Actual Value Expected Value | Resu |
| Name VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 190.477554 ± 0.2 | • |
| Name VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 190.477554 | |
| Name VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 190.477554 190.477554 ± 0.2 178.790085 178.790085 ± 0.5 6.47036648 6.47036648 ± 0.04 | • |
| Name /ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 /ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 /ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 190.477554 | |
| Name VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 190.477554 190.477554 ± 0.2 178.790085 178.790085 ± 0.5 6.47036648 6.47036648 ± 0.04 46.9611549 46.9611549 ± 0.0625 49799 49799 ± 2 | |
| Name VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 190.477554 190.477554 ± 0.2 178.790085 178.790085 ± 0.5 6.47036648 6.47036648 ± 0.04 46.9611549 46.9611549 ± 0.0625 | |
| Name VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 190.477554 190.477554 ± 0.2 178.790085 178.790085 ± 0.5 6.47036648 6.47036648 ± 0.04 46.9611549 46.9611549 ± 0.0625 49799 49799 ± 2 | |
| Name VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 190.477554 | |
| Name VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 190.477554 190.477554 ± 0.2 178.790085 178.790085 ± 0.5 6.47036648 6.47036648 ± 0.04 46.9611549 46.9611549 ± 0.0625 49799 49799 ± 2 53632 53632 ± 2 1720406272 1720406272 | |
| Name VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 190.477554 | 6 |
| Name VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 190.477554 190.477554 ± 0.2 178.790085 178.790085 ± 0.5 6.47036648 6.47036648 ± 0.04 46.9611549 46.9611549 ± 0.0625 49799 49799 ± 2 53632 53632 ± 2 1720406272 1720406272 1720406272 1720406272 0.000778794289 0.000778811518 ± 1.25663627181805E-6 | 66 |
| Name VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 190.477554 190.477554 ± 0.2 178.790085 178.790085 ± 0.5 6.47036648 6.47036648 ± 0.04 46.9611549 46.9611549 ± 0.0625 49799 49799 ± 2 53632 53632 ± 2 1720406272 1720406272 1720406272 1720406272 0.000778794289 0.000778811518 ± 1.25663627181805E-0 9.7990036e-005 9.80128898e-005 ± 1.25663627181805E-0 | 66 |
| Name VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 190.477554 190.477554 ± 0.2 178.790085 178.790085 ± 0.5 6.47036648 6.47036648 ± 0.04 46.9611549 46.9611549 ± 0.0625 49799 49799 ± 2 53632 53632 ± 2 1720406272 1720406272 1720406272 1720406272 0.000778794289 0.000778811518 ± 1.25663627181805E-9 9.7990036e-005 9.80128898e-005 ± 1.25663627181805E-3 31.3933392 31.3933392 ± 0.2 | 66 |
| Name VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 190.477554 190.477554 ± 0.2 178.790085 178.790085 ± 0.5 6.47036648 6.47036648 ± 0.04 46.9611549 46.9611549 ± 0.0625 49799 49799 ± 2 53632 53632 ± 2 1720406272 1720406272 1720406272 1720406272 0.000778794289 0.000778811518 ± 1.25663627181805E-0 9.7990036e-005 9.80128898e-005 ± 1.25663627181805E-0 31.3933392 31.3933392 ± 0.2 3.91197205 3.91197205 ± 0.5 | 66 |
| Name VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.NelHwPosFilt32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 190.477554 190.477554 ± 0.2 178.790085 178.790085 ± 0.5 6.47036648 6.47036648 ± 0.04 46.9611549 46.9611549 ± 0.0625 49799 49799 ± 2 53632 53632 ± 2 1720406272 1720406272 1720406272 1720406272 0.000778794289 0.000778811518 ± 1.25663627181805E-0.00 9.7990036e-005 9.80128898e-005 ± 1.25663627181805E-0.00 31.3933392 31.3933392 ± 0.2 3.91197205 3.91197205 ± 0.5 16.8332462 16.8332462 ± 0.04 | 66 |
| Name VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 190.477554 190.477554 ± 0.2 178.790085 178.790085 ± 0.5 6.47036648 6.47036648 ± 0.04 46.9611549 46.9611549 ± 0.0625 49799 49799 ± 2 53632 53632 ± 2 1720406272 1720406272 1720406272 1720406272 0.000778794289 0.000778811518 ± 1.25663627181805E-3 9.7990036e-005 9.80128898e-005 ± 1.25663627181805E-3 31.3933392 31.3933392 ± 0.2 3.91197205 3.91197205 ± 0.5 16.8332462 16.8332462 ± 0.04 40.3496017 40.3496017 ± 0.0625 | 66 |
| Name /ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 /ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 /ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 /ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 /ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 /ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 /ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u32 /ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 /ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 /ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 /ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 /ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 /ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 190.477554 190.477554 ± 0.2 178.790085 178.790085 ± 0.5 6.47036648 6.47036648 ± 0.04 46.9611549 46.9611549 ± 0.0625 49799 49799 ± 2 53632 53632 ± 2 1720406272 1720406272 1720406272 1720406272 0.000778794289 0.000778811518 ± 1.25663627181805E-1 9.7990036e-005 9.80128898e-005 ± 1.25663627181805E-1 31.3933392 31.3933392 ± 0.2 3.91197205 16.8332462 16.8332462 ± 0.04 40.3496017 40.3496017 ± 0.0625 49799 49799 ± 2 | 66 66 |
| Name /ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 /ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 /ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 /ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 /ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 /ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 /ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u32 /ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrHiSpd_M_str.NelHwPosFilt2SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 /ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 /ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 /ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 /ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 190.477554 190.477554 ± 0.2 178.790085 178.790085 ± 0.5 6.47036648 6.47036648 ± 0.04 46.9611549 46.9611549 ± 0.0625 49799 49799 ± 2 53632 53632 ± 2 1720406272 1720406272 1720406272 1720406272 0.000778794289 0.000778811518 ± 1.25663627181805E-1 9.7990036e-005 9.80128898e-005 ± 1.25663627181805E-1 31.3933392 31.3933392 ± 0.2 3.91197205 ± 0.5 16.8332462 16.8332462 ± 0.04 40.3496017 40.3496017 ± 0.0625 49799 49799 ± 2 1568 1568 ± 2 | 66 6 |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 190.477554 190.477554 ± 0.2 178.790085 178.790085 ± 0.5 6.47036648 6.47036648 ± 0.04 46.9611549 46.9611549 ± 0.0625 49799 49799 ± 2 53632 53632 ± 2 1720406272 1720406272 1720406272 1720406272 9.7990036e-005 9.80128898e-005 ± 1.25663627181805E-31.3933392 31.3933392 31.3933392 ± 0.2 3.91197205 3.91197205 ± 0.5 16.8332462 16.8332462 ± 0.04 40.3496017 40.3496017 ± 0.0625 49799 49799 ± 2 1568 1568 ± 2 1720406272 1720406272 | 66 006 |
| Name VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.PtiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 190.477554 190.477554 ± 0.2 178.790085 178.790085 ± 0.5 6.47036648 6.47036648 ± 0.04 46.9611549 46.9611549 ± 0.0625 49799 49799 ± 2 53632 53632 ± 2 1720406272 1720406272 1720406272 1720406272 9.7990036e-005 9.80128898e-005 ± 1.25663627181805E-31.3933392 31.3933392 31.3933392 ± 0.2 3.91197205 3.91197205 ± 0.5 16.8332462 16.8332462 ± 0.04 40.3496017 40.3496017 ± 0.0625 49799 49799 ± 2 1568 1568 ± 2 1720406272 1720406272 1720406272 1720406272 | 66 |
| Name VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.PtiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.PtiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer3_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer3_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer3_mS_u32 | 190.477554 | 66 006 |
| Name VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2_Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 190.477554 | 66 06 |
| Name VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.WehSpd_kph_f32 | 190.477554 | 66 06 |
| Name VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2_Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer3_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer3_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer3_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer3_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer3_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer3_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer3_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer3_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer3_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer3_mS_u32 | 190.477554 | 66 066 |
| Name VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2_Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 190.477554 | 06 |





| Name | Actual Value | Expected Value | Result |
|----------------------------------------------------------------|-----------------|----------------------------------------|----------|
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 1720406272 | 1720406272 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 1720406272 | 1720406272 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000778794289 | 0.000778811518 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 9.7990036e-005 | 9.80128898e-005 ± 1.25663627181805E-06 | ✓ |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 6.28232956e-005 | 6.28298803e-005 ± 1.25663627181805E-06 | ~ |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0 | 0 | ~ |
| VehDyn_SLPHwPos_HwDeg_M_f32 | 0 | 0 | ~ |

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|---------------------------------------------|-------|---------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ✓ |

| Name - | Invest Value | |
|------------------------------------------------------------------------|------------------------------------------------------------------------|------|
| Name | Input Value | |
| GetSystemTime_mS_u32(CurrentTime) | tgt_GetSystemTime_mS_u32_CurrentTime | |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc) | target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc | |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn_2 | |
| k_AutoCntrHiSpdCntrWindow_HwDeg_f32 | 24.5077915 | |
| k_AutoCntrHiSpdFilt1Kn_Hz_f32 | 0.0225000009 | |
| k_AutoCntrHiSpdFilt2Kn_Hz_f32 | 0.0049999989 | |
| k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32 | 416.42218 | |
| k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32 | 8.68037319 | |
| k_AutoCntrHiSpdTimer1VehSpd_kph_f32 | 168.185226 | |
| k_AutoCntrHiSpdTimer1_mS_u16 | 30272 | |
| k_AutoCntrHiSpdTimer2_mS_u16 | 2904 | |
| k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32 | 51.7886963 | |
| k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32 | 272.816681 | |
| k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32 | 13.0401011 | |
| k_AutoCntrHiSpdTimer4VehSpd_kph_f32 | 209.062363 | |
| k_AutoCntrHiSpdTimer4_mS_u16 | 3628 | |
| k_AutoCntrLoSpdCntrWindow_HwDeg_f32 | 59.735672 | |
| k_AutoCntrLoSpdFilt1Kn_Hz_f32 | 0.063000001 | |
| k_AutoCntrLoSpdFilt2Kn_Hz_f32 | 0.00499999989 | |
| k AutoCntrLoSpdTimer1MtrVel MtrRadpS f32 | 499.624054 | |
| k AutoCntrLoSpdTimer1PinTrg HwNm f32 | 6.55805016 | |
| k AutoCntrLoSpdTimer1VehSpd kph f32 | 125.396591 | |
| k_AutoCntrLoSpdTimer1_mS_u16 | 36412 | |
| k AutoCntrLoSpdTimer2 mS u16 | 14998 | |
| k_AutoCntrPinTrqLPFCoeffKn_Hz_f32 | 0.0225000009 | |
| k_SLPEnableBFCheck_Cnt_lgc | 1 | |
| | 0.496199995 | |
| k_SLPHwAuthority_UIs_f32 | | |
| target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 | -377.326996 | |
| target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc | 1 | |
| target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc | | |
| target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset | target_Pim_MotPosReset | |
| tgt_GetSystemTime_mS_u32_CurrentTime | 1662097408 | _ |
| Name | Actual Value Expected Value | Resu |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 272.816681 ± 0.2 | • |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 209.062363 209.062363 ± 0.5 | |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 13.0401011 | ١ ، |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 51.7886963 51.7886963 ± 0.0625 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 30272 ± 2 | • |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 3628 ± 2 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 1662097408 1662097408 | ٠, |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 1662097408 1662097408 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000791370869 | 3 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E-0 | |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 416.42218 416.42218 ± 0.2 | |
| VehDyn AutoCntrHiSpd M str.VehSpd kph f32 | 168.185226 168.185226 ± 0.5 | |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 8.68037319 8.68037319 ± 0.04 | |
| VehDyn AutoCntrHiSpd M str.CntrWindow HwDeg f32 | 24.5077915 24.5077915 ± 0.0625 | |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 30272 30272 ± 2 | |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 2904 2904 ± 2 | |
| | | |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | | |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 1662097408 1662097408 | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.00028270483 | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 6.28232956e-005 6.28298803e-005 ± 1.25663627181805E-0 | |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 499.624054 ± 0.2 | • |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 125.396591 125.396591 ± 0.5 | |





| Name | Actual Value | Expected Value | Result |
|----------------------------------------------------------------|-----------------|----------------------------------------|----------|
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 6.55805016 | 6.55805016 ± 0.04 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 59.735672 | 59.735672 ± 0.0625 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 36412 | 36412 ± 2 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 14998 | 14998 ± 2 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 1662097408 | 1662097408 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 1662097408 | 1662097408 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000791370869 | 0.000791368075 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 6.28232956e-005 | 6.28298803e-005 ± 1.25663627181805E-06 | ~ |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.00028270483 | 0.000282703375 ± 1.25663627181805E-06 | ~ |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.496199995 | 0.496199995 | ~ |
| VehDyn_SLPHwPos_HwDeg_M_f32 | -377.326996 | -377.326996 | ~ |

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|---------------------------------------------|-------|---------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |

| Name | Input Value | |
|-----------------------------------------------------------------------|------------------------------------------------------------------------|-----|
| GetSystemTime_mS_u32(CurrentTime) | tgt_GetSystemTime_mS_u32_CurrentTime | |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc) | target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc | |
| Rte Inst Ap VehDyn | target_Rte_Inst_Ap_VehDyn_2 | |
| | 91.3826141 | |
| | 0.063000001 | |
| <_AutoCntrHiSpdFilt1Kn_Hz_f32 | | |
| C_AutoCntrHiSpdFilt2Kn_Hz_f32 | 0.0491000004 | |
| <_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32 | 683.818359 | |
| x_AutoCntrHiSpdTimer1PinTrq_HwNm_f32 | 0.0764636993 | |
| x_AutoCntrHiSpdTimer1VehSpd_kph_f32 | 34.4863586 | |
| x_AutoCntrHiSpdTimer1_mS_u16 | 23210 | |
| x_AutoCntrHiSpdTimer2_mS_u16 | 3238 | |
| x_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32 | 75.1060562 | |
| x_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32 | 108.829964 | |
| C_AutoCntrHiSpdTimer4PinTrq_HwNm_f32 | 7.80758381 | |
| _AutoCntrHiSpdTimer4VehSpd_kph_f32 | 169.04245 | |
| :_AutoCntrHiSpdTimer4_mS_u16 | 7187 | |
| C_AutoCntrLoSpdCntrWindow_HwDeg_f32 | 53.7309608 | |
| :_AutoCntrLoSpdFilt1Kn_Hz_f32 | 0.0320999995 | |
| :_AutoCntrLoSpdFilt2Kn_Hz_f32 | 0.00899999961 | |
| C_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32 | 228.670547 | |
| :_AutoCntrLoSpdTimer1PinTrq_HwNm_f32 | 16.7742443 | |
| <_AutoCntrLoSpdTimer1VehSpd_kph_f32 | 174.289764 | |
| _AutoCntrLoSpdTimer1_mS_u16 | 11413 | |
| _AutoCntrLoSpdTimer2_mS_u16 | 48604 | |
| <_AutoCntrPinTrqLPFCoeffKn_Hz_f32 | 0.063000001 | |
| k_SLPEnableBFCheck_Cnt_lgc | 0 | |
| <pre>SLPHwAuthority_Uls_f32</pre> | 0.502799988 | |
| arget Pim MotPosReset.NVMStoredLastPos HwDeg f32 | -401.359985 | |
| arget Pim MotPosReset.NVMStoredLastPosValid Cnt Igc | 1 | |
| arget_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc | 1 | |
| rarget_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset | target_Pim_MotPosReset | |
| gt_GetSystemTime_mS_u32_CurrentTime | 2127166208 | |
| Name | Actual Value Expected Value | Res |
| /ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 108.829964 108.829964 ± 0.2 | IXE |
| | | |
| /ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 169.04245 | |
| /ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 7.80758381 | |
| /ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 75.1060562 75.1060562 ± 0.0625 | 1 |
| /ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 23210 23210 ± 2 | |
| /ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 7187 ± 2 | |
| /ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 2127166208 2127166208 | |
| /ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 2127166208 2127166208 | |
| /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000403285027 0.000403299142 ± 1.25663627181805E-06 | |
| /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000113070011 0.000113090937 ± 1.25663627181805E-06 | |
| /ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 683.818359 683.818359 ± 0.2 | |
| /ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 34.4863586 ± 0.5 | |
| /ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 0.0764636993 | |
| /ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 91.3826141 91.3826141 ± 0.0625 | |
| /ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 23210 ± 2 | |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 3238 ± 2 | |
| Alabora AutoCatal ICad M. eta Tianant as C. 122 | 2127166208 2127166208 | |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | =:=:::::==== | |

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| Name | Actual Value | Expected Value | Result |
|----------------------------------------------------------------|----------------|---------------------------------------|--------|
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000791370869 | 0.000791368075 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000616788864 | 0.000616818492 ± 1.25663627181805E-06 | • |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 228.670547 | 228.670547 ± 0.2 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 174.289764 | 174.289764 ± 0.5 | • |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 16.7742443 | 16.7742443 ± 0.04 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 53.7309608 | 53.7309608 ± 0.0625 | • |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 11413 | 11413 ± 2 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 48604 | 48604 ± 2 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 2127166208 | 2127166208 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 2127166208 | 2127166208 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000403285027 | 0.000403299142 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000113070011 | 0.000113090937 ± 1.25663627181805E-06 | • |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000791370869 | 0.000791368075 ± 1.25663627181805E-06 | ~ |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.502799988 | 0.502799988 | ~ |
| VehDyn_SLPHwPos_HwDeg_M_f32 | -401.359985 | -401.359985 | ~ |

| T | | | | V |
|---------------------------------------------|-------|---------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |

Test Case 3: Path Test

Specification

Performance Metrics: (With "None" Instrumentation and "WithPS" Environment)

CPU Cycles: TS3.1 3945.00 Cycles TS3.2 3974.00 Cycles TS3.3 3945.00 Cycles

Description

Vector Description:

 $\label{total continuous} TS 3.1(((Rte_Pim_MotPosReset()->NVMStoredLastPosValid_Cnt_lgc) == TRUE) \&\& (((FaultBFActive_Cnt_T_lgc \& k_SLPEnableBFCheck_Cnt_lgc) == FALSE)))=False \\ TS 3.2(((Rte_Pim_MotPosReset()->NVMStoredLastPosValid_Cnt_lgc) == TRUE) \&\& (((FaultBFActive_Cnt_T_lgc \& k_SLPEnableBFCheck_Cnt_lgc) == FALSE)))=False \\ TS 3.3(((Rte_Pim_MotPosReset()->NVMStoredLastPosValid_Cnt_lgc) == TRUE) \&\& (((FaultBFActive_Cnt_T_lgc \& k_SLPEnableBFCheck_Cnt_lgc) == FALSE)))=True \\ \\$

| Test Step 3.1 (Repeat Count = 1) | |
|------------------------------------------------------------------------------------|------------------------------------------------------------------------|
| Name | Input Value |
| GetSystemTime_mS_u32(CurrentTime) | tgt_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc) | target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn_2 |
| k_AutoCntrHiSpdCntrWindow_HwDeg_f32 | 0 |
| k_AutoCntrHiSpdFilt1Kn_Hz_f32 | 0.000199999995 |
| k_AutoCntrHiSpdFilt2Kn_Hz_f32 | 0.00019999995 |
| k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32 | 0 |
| k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32 | 0 |
| k_AutoCntrHiSpdTimer1VehSpd_kph_f32 | 0 |
| k_AutoCntrHiSpdTimer1_mS_u16 | 0 |
| k_AutoCntrHiSpdTimer2_mS_u16 | 0 |
| k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32 | 0 |
| k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32 | 0 |
| k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32 | 0 |
| k_AutoCntrHiSpdTimer4VehSpd_kph_f32 | 0 |
| k_AutoCntrHiSpdTimer4_mS_u16 | 0 |
| k_AutoCntrLoSpdCntrWindow_HwDeg_f32 | 0 |
| k_AutoCntrLoSpdFilt1Kn_Hz_f32 | 0.000199999995 |
| k_AutoCntrLoSpdFilt2Kn_Hz_f32 | 0.000199999995 |
| k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32 | 0 |
| k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32 | 0 |
| k_AutoCntrLoSpdTimer1VehSpd_kph_f32 | 0 |
| k_AutoCntrLoSpdTimer1_mS_u16 | 0 |
| k_AutoCntrLoSpdTimer2_mS_u16 | 0 |
| k_AutoCntrPinTrqLPFCoeffKn_Hz_f32 | 0.000199999995 |
| k_SLPEnableBFCheck_Cnt_lgc | 0 |
| k_SLPHwAuthority_Uls_f32 | 0 |
| target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 | -1600 |
| target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc | 0 |
| $target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc$ | 0 |
| target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset | target_Pim_MotPosReset |





| Name | Input Value | | |
|-----------------------------------------------------------------|-----------------|----------------------------------------|--------|
| tgt_GetSystemTime_mS_u32_CurrentTime | 0 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 0 | 0 ± 0.2 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 0 | 0 ± 0.5 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 0 | 0 ± 0.04 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 0 | 0 ± 0.0625 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 0 | 0 ± 2 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 0 | 0 ± 2 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 0 | 0 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 0 | 0 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 2.50339508e-006 | 2.51327106e-006 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 2.50339508e-006 | 2.51327106e-006 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 0 | 0 ± 0.2 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 0 | 0 ± 0.5 | • |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 0 | 0 ± 0.04 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 0 | 0 ± 0.0625 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 0 | 0 ± 2 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 0 | 0 ± 2 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 0 | 0 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 0 | 0 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 2.50339508e-006 | 2.51327106e-006 ± 1.25663627181805E-06 | • |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 2.50339508e-006 | 2.51327106e-006 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 0 | 0 ± 0.2 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 0 | 0 ± 0.5 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 0 | 0 ± 0.04 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 0 | 0 ± 0.0625 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 0 | 0 ± 2 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 0 | 0 ± 2 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 2.50339508e-006 | 2.51327106e-006 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 2.50339508e-006 | 2.51327106e-006 ± 1.25663627181805E-06 | ~ |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 2.50339508e-006 | 2.51327106e-006 ± 1.25663627181805E-06 | ~ |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0 | 0 | ~ |
| VehDyn SLPHwPos HwDeg M f32 | 0 | 0 | - |

| T | | | | ✓ |
|---------------------------------------------|-------|---------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ✓ |

| Test Step 3.2 (Repeat Count = 1) | ✓ |
|------------------------------------------------------------------|------------------------------------------------------------------------|
| Name | Input Value |
| GetSystemTime_mS_u32(CurrentTime) | tgt_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc) | target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn_2 |
| k_AutoCntrHiSpdCntrWindow_HwDeg_f32 | 100 |
| k_AutoCntrHiSpdFilt1Kn_Hz_f32 | 0.10000001 |
| k_AutoCntrHiSpdFilt2Kn_Hz_f32 | 0.10000001 |
| k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32 | 700 |
| k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32 | 20 |
| k_AutoCntrHiSpdTimer1VehSpd_kph_f32 | 255 |
| k_AutoCntrHiSpdTimer1_mS_u16 | 60000 |
| k_AutoCntrHiSpdTimer2_mS_u16 | 60000 |
| k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32 | 100 |
| k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32 | 700 |
| k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32 | 20 |
| k_AutoCntrHiSpdTimer4VehSpd_kph_f32 | 255 |
| k_AutoCntrHiSpdTimer4_mS_u16 | 60000 |
| k_AutoCntrLoSpdCntrWindow_HwDeg_f32 | 100 |
| k_AutoCntrLoSpdFilt1Kn_Hz_f32 | 0.100000001 |
| k_AutoCntrLoSpdFilt2Kn_Hz_f32 | 0.100000001 |
| k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32 | 700 |
| k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32 | 20 |
| k_AutoCntrLoSpdTimer1VehSpd_kph_f32 | 255 |
| k_AutoCntrLoSpdTimer1_mS_u16 | 60000 |
| k_AutoCntrLoSpdTimer2_mS_u16 | 60000 |
| k_AutoCntrPinTrqLPFCoeffKn_Hz_f32 | 0.100000001 |
| k_SLPEnableBFCheck_Cnt_lgc | 1 |
| k_SLPHwAuthority_Uls_f32 | 1 |





| Name | Input Value | | |
|------------------------------------------------------------------------------------|------------------------|--------------------------------------|--------|
| target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 | 1600 | | |
| target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc | 1 | | |
| $target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc$ | 1 | | |
| target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset | target_Pim_MotPosReset | | |
| tgt_GetSystemTime_mS_u32_CurrentTime | 4294967295 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn AutoCntrDetSpd M str.MtrVel MtrRadpS f32 | 700 | 700 ± 0.2 | - |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 255 | 255 ± 0.5 | - |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 20 | 20 ± 0.04 | - |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 100 | 100 ± 0.0625 | - |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 60000 | 60000 ± 2 | - |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 60000 | 60000 ± 2 | - |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 4294967295 | 4294967295 | - |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 4294967295 | 4294967295 | • |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.00125586987 | 0.00125584786 ± 1.25663627181805E-06 | • |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.00125586987 | 0.00125584786 ± 1.25663627181805E-06 | • |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 700 | 700 ± 0.2 | • |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 255 | 255 ± 0.5 | • |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 20 | 20 ± 0.04 | - |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 100 | 100 ± 0.0625 | • |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 60000 | 60000 ± 2 | • |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 60000 | 60000 ± 2 | • |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 4294967295 | 4294967295 | • |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 4294967295 | 4294967295 | • |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.00125586987 | 0.00125584786 ± 1.25663627181805E-06 | • |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.00125586987 | 0.00125584786 ± 1.25663627181805E-06 | • |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 700 | 700 ± 0.2 | • |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 255 | 255 ± 0.5 | • |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 20 | 20 ± 0.04 | • |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 100 | 100 ± 0.0625 | • |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 60000 | 60000 ± 2 | - |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 60000 | 60000 ± 2 | • |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 4294967295 | 4294967295 | - |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 4294967295 | 4294967295 | • |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.00125586987 | 0.00125584786 ± 1.25663627181805E-06 | - |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.00125586987 | 0.00125584786 ± 1.25663627181805E-06 | • |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.00125586987 | 0.00125584786 ± 1.25663627181805E-06 | - |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0 | 0 | • |
| VehDyn_SLPHwPos_HwDeg_M_f32 | 0 | 0 | - |

| T | | | | ✓ |
|---------------------------------------------|-------|---------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | ~ |
| GetSystemTime mS u32 | 1 | GetSystemTime mS u32 | 1 | ✓ |

| Test Step 3.3 (Repeat Count = 1) | ✓ |
|------------------------------------------------------------------|------------------------------------------------------------------------|
| Name | Input Value |
| GetSystemTime_mS_u32(CurrentTime) | tgt_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc) | target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn_2 |
| k_AutoCntrHiSpdCntrWindow_HwDeg_f32 | 16.8675175 |
| k_AutoCntrHiSpdFilt1Kn_Hz_f32 | 0.0049999989 |
| k_AutoCntrHiSpdFilt2Kn_Hz_f32 | 0.00779999979 |
| k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32 | 511.249969 |
| k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32 | 2.49991417 |
| k_AutoCntrHiSpdTimer1VehSpd_kph_f32 | 119.398392 |
| k_AutoCntrHiSpdTimer1_mS_u16 | 19956 |
| k_AutoCntrHiSpdTimer2_mS_u16 | 1111 |
| k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32 | 47.1357269 |
| k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32 | 577.715271 |
| k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32 | 18.6059322 |
| k_AutoCntrHiSpdTimer4VehSpd_kph_f32 | 69.9332428 |
| k_AutoCntrHiSpdTimer4_mS_u16 | 47307 |
| k_AutoCntrLoSpdCntrWindow_HwDeg_f32 | 97.2305069 |
| k_AutoCntrLoSpdFilt1Kn_Hz_f32 | 0.0350000001 |
| k_AutoCntrLoSpdFilt2Kn_Hz_f32 | 0.0649999976 |
| k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32 | 0 |
| k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32 | 16.4742603 |
| k_AutoCntrLoSpdTimer1VehSpd_kph_f32 | 113.628799 |
| k_AutoCntrLoSpdTimer1_mS_u16 | 49475 |





| Name | Input Value | | |
|------------------------------------------------------------------------|------------------------|----------------------------------------|----------|
| k_AutoCntrLoSpdTimer2_mS_u16 | 38708 | | |
| k_AutoCntrPinTrqLPFCoeffKn_Hz_f32 | 0.00499999989 | | |
| k_SLPEnableBFCheck_Cnt_lgc | 0 | | |
| k_SLPHwAuthority_Uls_f32 | 0.00120000006 | | |
| target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 | 1425.14795 | | |
| target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc | 1 | | |
| target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc | 0 | | |
| target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset | target_Pim_MotPosReset | | |
| tgt_GetSystemTime_mS_u32_CurrentTime | 1720406272 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 577.715271 | 577.715271 ± 0.2 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 69.9332428 | 69.9332428 ± 0.5 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 18.6059322 | 18.6059322 ± 0.04 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 47.1357269 | 47.1357269 ± 0.0625 | ~ |
| VehDyn AutoCntrDetSpd M str.Timer1Thresh mS u16 | 19956 | 19956 ± 2 | ~ |
| VehDyn AutoCntrDetSpd M str.Timer2Thresh mS u16 | 47307 | 47307 ± 2 | ~ |
| VehDyn AutoCntrDetSpd M str.Timer1 mS u32 | 1720406272 | 1720406272 | - |
| VehDyn AutoCntrDetSpd M str.Timer2 mS u32 | 1720406272 | 1720406272 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000439703465 | 0.000439726253 ± 1.25663627181805E-06 | - |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000816464424 | 0.000816480606 ± 1.25663627181805E-06 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 511.249969 | 511.249969 ± 0.2 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 119.398392 | 119.398392 ± 0.5 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 2.49991417 | 2.49991417 ± 0.04 | - |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 16.8675175 | 16.8675175 ± 0.0625 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 19956 | 19956 ± 2 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 1111 | 1111 ± 2 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 1720406272 | 1720406272 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 1720406272 | 1720406272 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 6.28232956e-005 | 6.28298803e-005 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 9.7990036e-005 | 9.80128898e-005 ± 1.25663627181805E-06 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 0 | 0 ± 0.2 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 113.628799 | 113.628799 ± 0.5 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 16.4742603 | 16.4742603 ± 0.04 | • |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 97.2305069 | 97.2305069 ± 0.0625 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 49475 | 49475 ± 2 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 38708 | 38708 ± 2 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 1720406272 | 1720406272 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 1720406272 | 1720406272 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000439703465 | 0.000439726253 ± 1.25663627181805E-06 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000816464424 | 0.000816480606 ± 1.25663627181805E-06 | ~ |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 6.28232956e-005 | 6.28298803e-005 ± 1.25663627181805E-06 | ~ |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.00120000006 | 0.00120000006 | ~ |
| VehDyn_SLPHwPos_HwDeg_M_f32 | 1425.14795 | 1425.14795 | ~ |

| T ✓ | | | | |
|---------------------------------------------|-------|---------------------------------------------|-------|--------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime mS u32 | 1 | _ |



| Project | VehDyn |
|-------------|-------------|
| Module | VehDyn |
| Test Object | VehDyn_Per1 |

Instrumentation: Test Object Only

| Statement (C0) Coverage | 100 % |
|--------------------------|-------|
| Decision Coverage | 100 % |
| Branch (C1) Coverage | 100 % |
| MCC Coverage | 100 % |
| MC/DC Coverage | 100 % |

Statistics

| Total Testcases | 3 |
|-----------------|---|
| Successful | 3 |
| Failed | 0 |
| Not Executed | 0 |

Module Properties

| Project Root Directory | D:\Synergy_Work_Area\VehDyn | |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Configuration File | D:\Synergy_Work_Area\VehDyn\UnitTestEnv\config\TMS570_GCC_UDE_CCS4_Config.xml | |
| Target Environment | TI TMS 570 PLS UDE (Default) | |
| Kind of Test | Unit Test | |
| Linker Options | | |
| Source File(s) | | |
| File | \$(PROJECTROOT)\src\Ap_VehDyn.c | |
| Compiler Options | -D_DATA_ACCESS= -Dconst= -Dstatic= -I\$(PROJECTROOT)\StdDef\include -I\$(PROJECTROOT)\NxtrLib\include -I\$(PROJECTROOT)\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\ | |

| ame | Text |
|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| odule 'VehDyn' | ************************************** |
| | Name of Tester:Spoorti Mali |
| | Code File(s) Under Test:Ap_VehDyn.c |
| | Code File(s) Version:8 |
| | Module Design Document:VehDyn_MDD.docx |
| | Module Design Document Version:9 |
| | Data Dictionary Version:10 Unit Test Plan Version:6 |
| | Optimization Level:Level 2 |
| | Compiler (CodeGen) Version:TMS470 4.9.5 |
| | Model Type:Excel Macro |
| | Model Version:Nexteer EPS Unit Test Tool 2.7d/EPS Library 1.32 |
| | Total FLASH Used (Bytes):2278 |
| | Total RAM Used (Bytes):201 |
| | Total CALS Used (Bytes):115 |
| | Special Test Requirements: |
| | Test Date:09-15-2015 Comments:"NOTE1: Inline function defined in ""GlobalMacro.h"" are not unit tested. |
| | Comments. NOTE 1. Infine function desired in Globalisation are not unit tested. NOTE2: "CBD Sandbox dbq.map" map file is embedded for reference." |

| Attributes | | |
|-----------------------|-------------------------------------------------------------------------|--|
| Name | Value | |
| Compiler Install Path | \$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5 | |
| Float Precision | 9 | |
| InitObjDir | \$(PROJECTROOT)\UnitTestEnv\static_build_files | |
| InitSrcDir | \$(PROJECTROOT)\UnitTestEnv\static_build_files\src | |
| Linker File | \$(InitObjDir)\sys_link.cmd | |
| Makefile Template | \$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570_ps.tpl | |
| Target Install Path | \$(ProgramFiles)\pls | |
| Time Unit | Cycles | |
| Timer Enabled | false | |



| Attributes | | |
|------------------------------------------------------------------------------|---------------------------------------------------------------------|--|
| Name Value | | |
| Timer Prescale | 0 | |
| Timer Resolution | | |
| UDE Config File \$(PROJECTROOT)\UnitTestEnv\config\TMS570_UDE_12PIN_JTAG.cfg | | |
| Workspace File | D:\Synergy_Work_Area\VehDyn\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP | |



Test Case 1: Metric Test

Specification

Performance Metrics: (With "None" Instrumentation and "WithPS" Environment)

CPU Cycles : TS 1.1 1031.00 Cycles TS 1.2 1480.00 Cycles

Description

Vector Description:

TS 1.1"Shortest Execution Path:

(AbsHwTorque_HwNm_T_f32 < k_HwTqMgnThd_HwNm_f32)=TRUE && (ElapsedTime_mS_T_u32 > k_SrlHwAgVIdTiThd_mS_u32)=FALSE && (VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc == TRUE)=TRUE && (VehDyn_HiSpdLearnt_Cnt_M_lgc == FALSE)=FALSE && (VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc == FALSE) && (VehDyn_LoSpdLearnt_Cnt_M_lgc == TRUE))=FALSE && (VehDyn_Initialize_Cnt_M_lgc == TRUE))=FALSE && (VehDyn_Initialize_Cnt_M_lgc == FALSE)=TRUE && (VehDyn_Initialize_Cnt_M_lgc == FALSE)=TRUE && (VehDyn_Initialize_Cnt_M_lgc == FALSE)=TRUE && (VeMOTPosition_HwDeg_T_f32)<=(VehDyn_MaxOffset_HwDeg_M_f32 + OffsetRelHwPos_HwDeg_T_f32)))=TRUE/FALSE && ((CcwEOTPosition_HwDeg_T_f32) < D_ZERO_ULS_F32)=TRUE && ((Deadband_Uls_T_f32 > k_TraveIXCDeadband_Uls_f32) || (Deadband_Uls_T_f32 < D_ZERO_ULS_F32))=TRUE && (VDAuthority_Uls_T_f32 > D_NOAUTH_ULS_F32)=TRUE && (SnsrlessHwPos_HwDeg_T_f32)>=1RUE && (SnsrlessHwPos_HwDeg_T_f32 < D_SERO_ULS_F32)=TRUE && (SnsrlessHwAuth_Uls_T_f32 > 1)=TRUE/FALSE" TS 1.2"Longest Execution Path:

(AbsHwTorque_HwNm_T_f32 < k_HwTqMgnThd_HwNm_f32)=FALSE && (ElapsedTime_mS_T_u32 > k_SrlHwAgVIdTiThd_mS_u32)=TRUE

TS 1.2*Longest Execution Path:

(AbsHwTorque_HwNm_T_f32 < k_HwTqMgnThd_HwNm_f32)=FALSE && (ElapsedTime_ms_T_u32 > k_SrlHwAgVldTiThd_ms_u32)=TRUE && (VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc == TRUE)=FALSE && (VehDyn_HiSpdLearnt_Cnt_M_lgc == FALSE)=TRUE && (VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc == FALSE)&& (VehDyn_LoSpdLearnt_Cnt_M_lgc == TRUE)=FALSE && (VehDyn_LoSpdLearnt_Cnt_M_lgc == TRUE)=FALSE && (VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc == TRUE)=FALSE && (VehDyn_LoSpdLearnt_Cnt_M_lgc == TRUE)=FALSE && (VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc == TRUE)=FALSE && (VehDyn_LoSpdLearnt_Cnt_M_lgc == TRUE)=FALSE && (VehDyn_MinOffset_HwDeg_M_f32 + OffsetRelHwPos_HwDeg_T_f32 > D_NOAUTH_ULS

| est Step 1.1 (Repeat Count = 1) | | |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|--|
| Name | Input Value | |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime | |
| GetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime | |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime | |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime | |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn | |
| /ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1. | |
| /ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 10.1000004 | |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 52.0999985 | |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 7.0999999 | |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 56.0999985 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 13352 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 14442 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 1078320779 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 3174948758 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -880.02002 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000658000004 | |
| /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -880.02002 | |
| /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000658000004 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 631.5 | |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 34.5 | |
| /ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 5.0999999 | |
| /ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 54.2299995 | |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 21364 | |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 52716 | |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 1078320779 | |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 3174948758 | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -880.02002 | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000167299993 | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -880.02002 | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000788000005 | |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1 | |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 | |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 10.6999998 | |



| | | | TOLOTO |
|---------------------------------------------------------------------------------------------------|---------------------------------------|---------------------|--------|
| Name | Input Value | | |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 52.7000008 | | |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 7.6999981 | | |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 56.7000008 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 13352 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 14442 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 1078320779 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 3174948758 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -880.02002 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 2.66000006e-005 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -880.02002 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000658000004 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | | |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 1 | | |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | -1200.5 | | |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 | | |
| VehDyn_Initialize_Cnt_M_lgc | 0 | | |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | | |
| VehDyn_MaxOffset_HwDeg_M_f32 | 389.126007 | | |
| VehDyn_MinOffset_HwDeg_M_f32 | -1412.41797 | | |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 1.5 | | |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000254999992 | | |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.926999986 | | |
| VehDyn_SLPHwPos_HwDeg_M_f32 | -1548.10999 | | |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 1316564736 | | |
| k_HiSpdVDAuthority_Uls_f32 | 0.75999999 | | |
| k_HwTqMgnThd_HwNm_f32 | 1 | | |
| k_LoSpdVDAuthority_UIs_f32 | 0.560000002 | | |
| k_SrlHwAgVldTiThd_mS_u32 | 9 | | |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 54.2999992 | | |
| k_TravelXCDeadband_Uls_f32 k_TravelXCHwAuthority_Uls_f32 | 7.01000023 0.0203000009 | | |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 65 | | |
| target_GetSystemTime_mS_u32_CurrentTime | 2075080192 | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed | | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime | | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32 | target VehDyn Per1 CcwEOT HwDeg | T32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f3 | 32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_ | f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrF | RadpS_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg | _f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthorit | y_Uls_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_ | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lo | , | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_M | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc | target_VehDyn_Per1_VehicleSpeedValid | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph | _f32 | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -1413.10999 | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 418.868011 | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | 10 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | 752.75 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value target_VehDyn_Per1_SrlHwAqVld_Cnt_lgc.value | -880.02002 1 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | 1 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | 7.5999999 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 0 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 20.1399994 | | |
| Name | Actual Value | Expected Value | Resul |
| VehDyn AllowHiSpdAutoCntr Cnt M lgc | 1 | 1 | Resul |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 1078320779 | 1078320779 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 3174948758 | 3174948758 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -880.02002 | -880.02002 ± 0.0009 | • |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -880.02002 | -880.02002 ± 0.0009 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 2075080192 | 2075080192 | • |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 3174948758 | 3174948758 | • |
| VehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32 | -880.02002 | -880.02002 ± 0.0009 | |

-880.02002

VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32

-880.02002 ± 0.0009



| Name | Actual Value | Expected Value | Result |
|-----------------------------------------------------------------|--------------|-----------------------|----------|
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -880.02002 | -880.02002 ± 0.0009 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 1078320779 | 1078320779 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 3174948758 | 3174948758 | • |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -880.02002 | -880.02002 ± 0.0009 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -880.02002 | -880.02002 ± 0.0009 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | • |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 | 1 | ✓ |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | • |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | 1 | • |
| VehDyn_MaxOffset_HwDeg_M_f32 | 418.868011 | 418.868011 | ~ |
| VehDyn_MinOffset_HwDeg_M_f32 | -1413.10999 | -1413.10999 | • |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 1.50220323 | 1.50220323 ± 0.000009 | ~ |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 1316564736 | 1316564736 | ~ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 1 | 1 ± 0.004 | ~ |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | 320.47998 | 320.480011 ± 0.1 | ~ |

| T | | | | V |
|----------------------------------------------------|-------|----------------------------------------------------|-------|--------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |

| Name | Input Value |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|
| DtrmnElapsedTime mS u32(ElapsedTime) | target DtrmnElapsedTime mS u32 ElapsedTime |
| GetSystemTime mS u32(CurrentTime) | target GetSystemTime mS u32 CurrentTime |
| Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32(ElapsedTime) | target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedTime |
| Rte Call Ap VehDyn SystemTime GetSystemTime mS u32(CurrentTime) | target Rte Call Ap VehDyn SystemTime GetSystemTime mS u32 CurrentTime |
| Rte Inst Ap VehDyn | target Rte Inst Ap VehDyn |
| VehDyn AllowHiSpdAutoCntr Cnt M Igc | 0 |
| VehDyn AutoCntrDetSpd M str.MtrVel MtrRadpS f32 | 200.399994 |
| VehDyn AutoCntrDetSpd M str.VehSpd kph f32 | 52.4000015 |
| VehDyn AutoCntrDetSpd M str.FiltPinTrg HwNm f32 | 14.399996 |
| VehDyn AutoCntrDetSpd M str.CntrWindow HwDeg f32 | 63.4000015 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 53970 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 58869 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 1024 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 54822322 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -714.090027 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000961999991 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -714.090027 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000961999991 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 159 |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 68.3000031 |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 16.7999992 |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 86 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 12258 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 36416 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 1024 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 54822322 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -714.090027 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000761999981 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -714.090027 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000515999971 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |



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| Name | Input Value | | |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | | |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 412.700012 | | |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 106.699997 | | |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 10.6999998 | | |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 12.6999998 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 13352 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 14442 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 1024 | | |
| VehDyn_AutoCntrl_oSpd_M_str.Timer2_mS_u32 | 54822322 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_UIs_f32 | -714.090027 7.58000024e-005 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -714.090027 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000961999991 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | | |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 0 | | |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | -1200.5 | | |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 | | |
| VehDyn_Initialize_Cnt_M_lgc | 1 | | |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 | | |
| VehDyn_MaxOffset_HwDeg_M_f32 | 1172.87 | | |
| VehDyn_MinOffset_HwDeg_M_f32 | -363.029999 | | |
| VehDyn_PinTrqSV_M_str.SV_UIs_f32 | 1.5 | | |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000483999989 | | |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.275999993 | | |
| VehDyn_SLPHwPos_HwDeg_M_f32 | 62.7099991 | | |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 1050692864 | | |
| k_HiSpdVDAuthority_UIs_f32 | 0 | | |
| k_HwTqMgnThd_HwNm_f32 | 0.00120000006 0.89999976 | | |
| k_LoSpdVDAuthority_UIs_f32 | 112 | | |
| k_SrlHwAgVldTiThd_mS_u32 k_SysKinRatio_MtrDegpHwDeg_f32 | 63.3199997 | | |
| k_TravelXCDeadband_Uls_f32 | 3.38000011 | | |
| k_TraveIXCHwAuthority_Uls_f32 | 0.212624997 | | |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 3304439296 | | |
| target_GetSystemTime_mS_u32_CurrentTime | 824746752 | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_E | Ti 1759885568 | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 | 2 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f3 | 2 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRad | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f3 | 32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_l | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_MtrN | _ | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc | target_VehDyn_Per1_VehicleSpeedValid_C | _0 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph_f3 | 32 | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -430.290009 | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value target VehDyn Per1 HwTorque HwNm f32.value | 1076.80298 -1.11000001 | | |
| target_VehDyn_Per1_HwTorque_HwNm_r3z.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | -456 | | |
| target_VehDyn_Per1_Motor verCRF_MitrRadpS_i3z.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | -714.090027 | | |
| target VehDyn Per1 SrlHwAgVld Cnt Igc.value | 0 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | -1312.13 | | |
| target VehDyn Per1 TorqueCmdCRF MtrNm f32.value | -4.5999999 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 0 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 230 | | |
| Name | Actual Value | Expected Value | Resul |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 0 | 0 | • |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 1024 | 1024 | • |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 54822322 | 54822322 | • |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -714.090027 | -714.090027 ± 0.0009 | • |
| | -714.090027 | -714.090027 ± 0.0009 | • |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | | | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | |
| | 0 | 0 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | | | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | |



| Name | Actual Value | Expected Value | Result |
|-----------------------------------------------------------------|--------------|-----------------------|----------|
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 54822322 | 54822322 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -714.090027 | -714.090027 ± 0.0009 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -714.090027 | -714.090027 ± 0.0009 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 824746752 | 824746752 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 54822322 | 54822322 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -714.090027 | -714.090027 ± 0.0009 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -714.090027 | -714.090027 ± 0.0009 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 | 0 | ~ |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 | 0 | ~ |
| VehDyn_MaxOffset_HwDeg_M_f32 | 1172.87 | 1172.87 | ~ |
| VehDyn_MinOffset_HwDeg_M_f32 | 283.800018 | 283.799988 | ~ |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 1.49870157 | 1.49870157 ± 0.000009 | ~ |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 1050692864 | 1050692864 | ~ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 0.275999993 | 0.275999993 ± 0.004 | ~ |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | -651.380005 | -651.380005 ± 0.1 | ~ |



Test Case 2: Boundary Test



TS 2.110 1061.00 Cycles TS 2.111 1252.00 Cycles TS 2.112 1043.00 Cvcles TS 2.112 1045.00 Cycles TS 2.113 1265.00 Cycles TS 2.114 1289.00 Cycles TS 2.115 1036.00 Cycles TS 2.116 1248.00 Cycles
TS 2.117 1051.00 Cycles
TS 2.118 1265.00 Cycles
TS 2.119 1030.00 Cycles TS TS TS TS 1249.00 Cycles 1052.00 Cycles 1266.00 Cycles 1032.00 Cycles 2.120 2.121 2.122 2.123 2.124 1265.00 Cycles 1289.00 Cycles 1269.00 Cycles 2.125 2.127 1264.00 Cycles 2.128 1251.00 Cycles 2.129 1065.00 Cycles 2.130 1265.00 Cycles TS TS 2.128 2.129 2.130 2.131 1049.00 Cycles 1261.00 Cycles 1046.00 Cycles 1280.00 Cycles TS TS TS TS 2.132 2.133 2.134 12.134 1280.00 Cycles 12.135 1052.00 Cycles 12.136 1032.00 Cycles 12.137 1252.00 Cycles 12.138 1266.00 Cycles 12.138 1266.00 Cycles 12.140 1051.00 Cycles 12.140 1032.00 Cycles 12.141 1252.00 Cycles 12.142 1278.00 Cycles 12.143 1032.00 Cycles 12.144 1265.00 Cycles 12.145 1059.00 Cycles 12.146 1044.00 Cycles 12.147 1265.00 Cycles 12.148 1036.00 Cycles 12.149 1277.00 Cycles 12.149 1277.00 Cycles 12.151 1052.00 Cycles 12.151 1052.00 Cycles TS 2.151 1049.00 Cycles 2.152 1033.00 Cycles 2.153 1049.00 Cycles 2.154 1261.00 Cycles 2.155 1035.00 Cycles TS TS TS TS TS 2.156 1252.00 Cycles 1049.00 Cycles TS 2.157 1049.00 Cycles TS 2.158 1265.00 Cycles TS 2.159 1035.00 Cycles TS 2.160 1046.00 Cycles TS 2.161 1052.00 Cycles TS 2.162 1054.00 Cycles TS 2.163 1267.00 Cycles TS 2.164 1258.00 Cycles TS 2.166 837.00 Cycles TS 2.166 837.00 Cycles TS 2.166 837.00 Cycles
TS 2.167 1250.00 Cycles
TS 2.168 837.00 Cycles
TS 2.169 1270.00 Cycles
TS 2.170 1045.00 Cycles
TS 2.171 1264.00 Cycles
TS 2.172 1032.00 Cycles
TS 2.173 1045.00 Cycles
TS 2.174 1044.00 Cycles
TS 2.174 1044.00 Cycles
TS 2.176 1258.00 Cycles
TS 2.177 1047.00 Cycles
TS 2.178 1049.00 Cycles
TS 2.179 1047.00 Cycles
TS 2.179 1266.00 Cycles
TS 2.180 1048.00 Cycles
TS 2.181 1250.00 Cycles
TS 2.181 1250.00 Cycles
TS 2.181 1250.00 Cycles
TS 2.183 1048.00 Cycles
TS 2.183 1048.00 Cycles
TS 2.183 1048.00 Cycles 2.183 2.184 2.185 1048.00 Cycles 1031.00 Cycles 1034.00 Cycles 1030.00 Cycles TS TS 2.186 2.187 1050.00 Cycles 1051.00 Cycles 1267.00 Cycles 1258.00 Cycles 1258.00 Cycles 1283.00 Cycles 850.00 Cycles TS TS 2.189 TS TS TS 2.191 2.192 2.193 2.194 836.00 Cycles 2.195 1272.00 Cycles 2.196 1037.00 Cycles 2.197 1266.00 Cycles TS TS TS TS 2.197 2.198 2.199 2.200 2.201 2.202 1266.00 Cycles 1049.00 Cycles 1264.00 Cycles 1045.00 Cycles 1268.00 Cycles 1272.00 Cycles 1062.00 Cycles TS TS TS TS TS 2.203 1269.00 Cycles 1269.00 Cycles 1045.00 Cycles 1049.00 Cycles 1270.00 Cycles 1051.00 Cycles 2.205 TS 2.206 2.207 2.208 2.209 TS TS TS 2.210 1266.00 Cycles TS 2.211 1051.00 Cycles TS 2.212 1264.00 Cycles TS TS 2.213 1263.00 Cvcles 2.213 1263.00 Cycles 2.214 1061.00 Cycles 2.215 1033.00 Cycles 2.216 1267.00 Cycles 2.217 1037.00 Cycles 2.218 1043.00 Cycles 2.219 1050.00 Cycles 2.220 1248.00 Cycles TS 2.221 1048.00 Cycles 2.222 1049.00 Cycles 2.223 1048.00 Cycles TS



TS 2.224 1062.00 Cycles
TS 2.225 1031.00 Cycles
TS 2.226 1251.00 Cycles
TS 2.227 1265.00 Cycles
TS 2.228 1048.00 Cycles
TS 2.228 1048.00 Cycles
TS 2.231 1266.00 Cycles
TS 2.231 1266.00 Cycles
TS 2.231 1266.00 Cycles
TS 2.233 1627.00 Cycles
TS 2.233 1667.00 Cycles
TS 2.233 1267.00 Cycles
TS 2.233 834.00 Cycles
TS 2.236 1250.00 Cycles
TS 2.238 1272.00 Cycles
TS 2.241 1030.00 Cycles
TS 2.243 1087.00 Cycles
TS 2.241 1046.00 Cycles
TS 2.241 1046.00 Cycles
TS 2.243 1266.00 Cycles
TS 2.244 1046.00 Cycles
TS 2.245 1260.00 Cycles
TS 2.246 1030.00 Cycles
TS 2.247 1249.00 Cycles
TS 2.248 1263.00 Cycles
TS 2.249 1271.00 Cycles
TS 2.249 1271.00 Cycles
TS 2.251 1257.00 Cycles
TS 2.255 1048.00 Cycles
TS 2.256 1052.00 Cycles
TS 2.257 1263.00 Cycles
TS 2.257 1263.00 Cycles
TS 2.259 1052.00 Cycles
TS 2.250 000 Cycles
TS 2.250 000 Cycles
TS 2.250 000 Cycles
TS 2.250 000 Cycles



Description Vector Description:

```
TS 2.1All Min
   TS 2.2All Max
   TS 2.3VehicleSpeed_Kph_f32 = Min
TS 2.4VehicleSpeed_Kph_f32 = Max
TS 2.5VehicleSpeed_Kph_f32 = Pos
   TS 2.6HwTorque_HwNm_f32 = Min
TS 2.7HwTorque_HwNm_f32 = Max
TS 2.8HwTorque_HwNm_f32 = Zero
TS 2.8HwTorque_HwNm_f32 = Zero
TS 2.9HwTorque_HwNm_f32 = Pos
TS 2.10HwTorque_HwNm_f32 = Pos
TS 2.11TorqueCmdCRF_MtrNm_f32 = Min
TS 2.12TorqueCmdCRF_MtrNm_f32 = Max
TS 2.13TorqueCmdCRF_MtrNm_f32 = Zero
TS 2.14TorqueCmdCRF_MtrNm_f32 = Pos
TS 2.15TorqueCmdCRF_MtrNm_f32 = Neg
TS 2.15TorqueCmdCRF_MtrNm_f32 = Neg
TS 2.15VehicleSpeedValid_Cnt_lgc = Min
TS 2.17VehicleSpeedValid_Cnt_lgc = Max
TS 2.18MotorVelCRF_MtrRadpS_f32 = Min
TS 2.19MotorVelCRF_MtrRadpS_f32 = Zero
TS 2.21MotorVelCRF_MtrRadpS_f32 = Zero
TS 2.21MotorVelCRF_MtrRadpS_f32 = Pos
TS 2.22MotorVelCRF_MtrRadpS_f32 = Neg
TS 2.23RelHwPos_HwDeg_f32 = Min
TS 2.24RelHwPos_HwDeg_f32 = Max
TS 2.25RelHwPos_HwDeg_f32 = Zero
TS 2.24RelHwPos_HwDeg_f32 = Max
TS 2.25RelHwPos_HwDeg_f32 = Zero
TS 2.26RelHwPos_HwDeg_f32 = Pos
TS 2.26RelHwPos_HwDeg_f32 = Pos
TS 2.27RelHwPos_HwDeg_f32 = Neg
TS 2.28k_SysKinRatio_MtrDegpHwDeg_f32 = Min
TS 2.29k_SysKinRatio_MtrDegpHwDeg_f32 = Max
TS 2.30k_SysKinRatio_MtrDegpHwDeg_f32 = Pos
TS 2.31VehDyn_PinTrqSV_M_Str.SV = Max
TS 2.32VehDyn_PinTrqSV_M_Str.SV = Min
TS 2.33VehDyn_PinTrqSV_M_Str.SV = Min
TS 2.33VehDyn_PinTrqSV_M_Str.SV = Min
TS 2.34VehDyn_PinTrqSV_M_Str.SV = Neg
TS 2.35VehDyn_PinTrqSV_M_Str.SV = Pos
TS 2.35VehDyn_PinTrqSV_M_Str.SV = Neg
TS 2.37VehDyn_PinTrqSV_M_Str.K = Min
TS 2.38VehDyn_PinTrqSV_M_Str.K = Min
TS 2.39VehDyn_PinTrqSV_M_Str.K = Min
TS 2.39VehDyn_PinTrqSV_M_Str.K = Max
TS 2.39VehDyn_PinTrqSV_M_Str.K = Min
TS 2.41VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 = Min
TS 2.41VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 = Max
   TS 2.41VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 = Max
TS 2.42VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 = Pos
TS 2.43VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 = Min
   TS 2.44VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 = Max
  TS 2.45VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 = Pos
TS 2.46VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 = Pos
TS 2.46VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 = Min
TS 2.47VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 = Max
TS 2.48VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 = Pos
TS 2.49VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 = Max
TS 2.50VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 = Max
   TS 2.51VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 = Pos
TS 2.52VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16= Min
TS 2.53VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 = Max
   TS 2.54VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16= Pos TS 2.55VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 = Min TS 2.56VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16= Max
   TS 2.57VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16= Pos
TS 2.58VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV= Min
TS 2.59VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV= Max
   TS 2.60VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 = Max
  TS 2.61VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV= Pos TS 2.62VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV= Neg TS 2.63VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K = Min TS 2.64VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K = Min TS 2.65VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K = Min TS 2.66VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K = Min TS 2.66VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV= Neg
   TS 2.67VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV= Pos
TS 2.68VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV= Zero
TS 2.69VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV = Pos
   TS 2.70VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32= Min
TS 2.71VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K = Min
TS 2.72VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K= Max
   TS 2.73VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K = Mid TS 2.74VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 = Min TS 2.75VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 = Max
   TS 2.76VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 = Pos
TS 2.77VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 = Min
TS 2.78VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 = Max
 TS 2.78VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 = Max
TS 2.79VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 = Mid
TS 2.80VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32= Mijn
TS 2.81VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32= Max
TS 2.82VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32= Pos
TS 2.83VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32= Min
TS 2.84VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32= Max
TS 2.85VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 = Max
TS 2.85VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 = Min
TS 2.87VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 = Max
TS 2.88VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 = Max
TS 2.88VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 = Max
TS 2.88VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 = Max
TS 2.88VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 = Min
TS 2.84 Min TS 2.84 Min TS 2.84 Min TS 2.84 Min TS 2.84 Min TS 2.84 Min TS 2.84 Min TS 2.84 Min TS 2.84 Min TS 2.84 Min TS 2.84 Min TS 2.84 Min TS 2.84 Min T
   TS 2.89VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32= Min
TS 2.90VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32= Max
TS 2.91VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32= Pos
    TS 2.92VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 = Min
   TS 2.93VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 = Max TS 2.94VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 = Pos
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TS 2.95VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16= Min
 TS 2.96VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16= Max
TS 2.97VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16= Pos
 TS 2.98VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV = Min
 TS 2.99VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV = Max TS 2.100VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 = Max TS 2.101VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV = Pos
 TS 2.102VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV= Neg
TS 2.103VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K = Min
TS 2.104VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K = Max
TS 2.104VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K = Max TS 2.105VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K= Mid TS 2.106VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV = Min TS 2.107VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV = Max TS 2.108VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV = Zero TS 2.109VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV = Pos TS 2.110VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV = Neg
 TS 2.111VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K= Min
TS 2.112VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K= Max
TS 2.113VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K= Mid
   TS 2.114VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 = Min
 TS 2.115VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 = Max
TS 2.116VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 = Pos
TS 2.117VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 = Min
 TS 2.118VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 = Max
TS 2.119VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 = Pos
TS 2.120VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 = Min
 TS 2.121VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 = Max
TS 2.122VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 = Pos
TS 2.123VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 = Min
IS 2.123VenDyn_AutoCntrDetSpd_M_str.VenSpd_kpn_f32 = Min
TS 2.124VehDyn_AutoCntrDetSpd_M_str.VenSpd_kph_f32 = Max
TS 2.125VenDyn_AutoCntrDetSpd_M_str.VenSpd_kph_f32 = Pos
TS 2.126VenDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 = Min
TS 2.127VenDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 = Max
TS 2.128VenDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 = Pos
TS 2.129VenDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 = Min
TS 2.130VenDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 = Max
TS 2.130VenDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 = Max
 TS 2.131VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 = Pos
TS 2.132VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 = Min
TS 2.133VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16= Max
 TS 2.134VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 = Pos
TS 2.135VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 = Min
TS 2.136VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 = Max
 TS 2.137VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 = Mid
TS 2.138VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV = Min
TS 2.139VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV = Max
  TS 2.140VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV = Zero
TS 2.141VehDyn_AutoCntrDetSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.SV = 2eto TS 2.141VehDyn_AutoCntrDetSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.SV = Pos TS 2.142VehDyn_AutoCntrDetSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.SV = Neg TS 2.143VehDyn_AutoCntrDetSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.K = Min TS 2.144VehDyn_AutoCntrDetSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.K = Min TS 2.145VehDyn_AutoCntrDetSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.K = Mid TS 2.146VehDyn_AutoCntrDetSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.SV = Min TS 2.146VehDyn_AutoCntrDetSpd_M_str.ReiHwPosFilt2SV_HwDeg_str.SV = Min TS 2.146VehDyn_AutoCntrDetSpd_M_str.ReiHwDeg_str.SV = Min TS 2.146VehDyn_Str.SV = Min TS 2.146VehDyn_AutoCntrDetSpd_M_str.ReiHwDeg_str.SV = Min TS 2.146VehDyn_Str.SV = Min TS 2.146VehDyn_Str.SV = Min TS
 TS 2.147VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV = Max
TS 2.148VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV= Zero
TS 2.149VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV = Pos
 TS 2.150VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV = Neg
TS 2.151VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K = Min
TS 2.152VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K = Max
 TS 2.153VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K = Mid TS 2.154VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32= Min TS 2.155VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 = Max
 TS 2.156VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 = Pos
 TS 2.157VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32= Min
TS 2.158VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 = Max
TS 2.159VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 = Pos
TS 2.169k_HiSpdVDAuthority_Uls_f32 = Min
TS 2.161k_HiSpdVDAuthority_Uls_f32= Max
TS 2.162k_HiSpdVDAuthority_Uls_f32= Pos
TS 2.163k_LoSpdVDAuthority_Uls_f32= Min
TS 2.164k_LoSpdVDAuthority_Uls_f32= Min
TS 2.165k_LoSpdVDAuthority_Uls_f32= Max
 TS 2.166VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc= Min
TS 2.167VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc = Max
TS 2.168VehDyn_LoSpdLearnt_Cnt_M_lgc= Min
TS 2.169VehDyn_LoSpdLearnt_Cnt_M_lgc = Mlax
TS 2.169VehDyn_LoSpdLearnt_Cnt_M_lgc = Max
TS 2.170VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc = Min
TS 2.171VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc = Mlax
TS 2.172VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc = Mlax
TS 2.173VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc = Mlax
TS 2.174VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc = Mlax
TS 2.174VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc=Min
TS 2.175VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc=Max
TS 2.176VehDyn_HiSpdLearnt_Cnt_M_lgc = Min
TS 2.176VehDyn_HiSpdLearnt_Cnt_M_lgc = Max
TS 2.176VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc=Min
TS 2.178VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc=Min
TS 2.180VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc=Min
TS 2.181VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc=Min
TS 2.183VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc=Min
TS 2.183VehDyn_AutoCntrDetSpd_M_str.Filter1Inable_Cnt_lgc=Min
TS 2.184VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc=Min
TS 2.185VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc=Min
TS 2.185VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc=Min
TS 2.185VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc=Min
 TS 2.185VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc=Max
TS 2.186VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc=Min
TS 2.187VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc=Max
  TS 2.188VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc=Min
 TS 2.189VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc=Max TS 2.190VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc=Min
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TS 2.191VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc=Max
   TS 2.192VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_Igc=Min
TS 2.193VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_Igc=Max
IS 2.193VehDyn_AutoCntrHiSpd_M_Str.Filter2Initialized_Cnt_Igc=Mix
TS 2.195VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_Igc=Mix
TS 2.195VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_Igc=Mix
TS 2.196CwEOT_HwDeg_f32 = Min
TS 2.197CwEOT_HwDeg_f32 = Max
TS 2.198 CwEOT_HwDeg_f32 = Mix
TS 2.199 CcwEOT_HwDeg_f32 = Mix
TS 2.201CcwEOT_HwDeg_f32 = Mix
TS 2.201CcwEOT_HwDeg_f32 = Mix
TS 2.201CcwEOT_HwDeg_f32 = Mix
TS 2.202VehDyn_Initialize_Cnt_M_Igc = Mix
TS 2.203VehDyn_Initialize_Cnt_M_Igc = Mix
TS 2.205VehDyn_MaxOffset_HwDeg_M_f32 = Mix
TS 2.205VehDyn_MaxOffset_HwDeg_M_f32 = Mix
TS 2.205VehDyn_MinOffset_HwDeg_M_f32 = Mix
TS 2.209VehDyn_MinOffset_HwDeg_M_f32 = Mix
TS 2.209VehDyn_MinOffset_HwDeg_M_f32 = Mix
TS 2.209VehDyn_MinOffset_HwDeg_M_f32 = Max
TS 2.210k_TraveIXCDeadband_Uls_f32 = Mix
TS 2.211k_TraveIXCDeadband_Uls_f32 = Mix
TS 2.213k_TraveIXCDeadband_Uls_f32 = Default
TS 2.214k_TraveIXCDeadband_Uls_f32 = Default
TS 2.214k_TraveIXCDeadband_Uls_f32 = Default
TS 2.214k_TraveIXCDeadband_Uls_f32 = Default
TS 2.214k_TraveIXCHwAUthority_Uls_f32 = Mix
   TS 2.194VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc=Min
  TS 2.214k_TravelXCHeadoranG_US_132 = Default
TS 2.214k_TravelXCHwAuthority_UIS_f32 = Min
TS 2.215k_TravelXCHwAuthority_UIS_f32 = Max
TS 2.216k_TravelXCHwAuthority_UIS_f32 = Pos/ Default
TS 2.217VehDyn_SLPHwPos_HwDeg_M_f32 = Min
TS 2.218VehDyn_SLPHwPos_HwDeg_M_f32 = Max
TS 2.219VehDyn_SLPHwPos_HwDeg_M_f32 = Zero
 IS 2.219VehDyn_SLPHWPos_HwDeg_M_T32 = Zero
TS 2.220VehDyn_SLPHwPos_HwDeg_M_T32 = Pos
TS 2.221VehDyn_SLPHwPos_HwDeg_M_T32 = Neg
TS 2.222VehDyn_SLPHwAuth_Uls_M_T32 = Min
TS 2.223VehDyn_SLPHwAuth_Uls_M_T32 = Max
TS 2.224VehDyn_SLPHwAuth_Uls_M_T32 = Pos
TS 2.225VehDyn_ForceCenterOffset_HwDeg_M_T32=Neg
TS 2.226VehDyn_ForceCenterOffset_HwDeg_M_T32=Neg
  TS 2.227VehDyn_ForceCenterOffset_HwDeg_M_132=neg
TS 2.227VehDyn_ForceCenterOffset_HwDeg_M_f32=zero
TS 2.228VehDyn_ForceCenterOffset_HwDeg_M_f32=Pos
TS 2.230VehDyn_ForceCenterOffset_HwDeg_M_f32=Max
TS 2.230VehDyn_ForceCenterEnabled_Cnt_M_lgc=Min
TS 2.231VehDyn_ForceCenterEnabled_Cnt_M_lgc=Max
TS 2.232SrlHwAgVId_Cnt_lgc=Min
   TS 2.233SrlHwAgVld_Cnt_lgc=Max
TS 2.234SrlHwAg_HwDeg_f32=Min
TS 2.235SrlHwAg_HwDeg_f32=Neg
   TS 2.236SrlHwAg_HwDeg_f32=Zero
  TS 2.230SillwAg_HwDeg_f32=Pos
TS 2.237SillwAg_HwDeg_f32=Pos
TS 2.238SrlHwAg_HwDeg_f32=Max
TS 2.239k_HwTqMgnThd_HwNm_f32=min
TS 2.240k_HwTqMgnThd_HwNm_f32=max
TS 2.241k_HwTqMgnThd_HwNm_f32=default
TS 2.242k_HwTqMgnThd_HwNm_f32=default
   TS 2.243k_SrlHwAgVldTiThd_mS_u32=min
TS 2.244k_SrlHwAgVldTiThd_mS_u32=max
TS 2.245k_SrlHwAgVldTiThd_mS_u32=mid / Default
   TS 2.246VehDyn_SrlHwAgVldTimer_mS_M_u32 = Min
TS 2.247VehDyn_SrlHwAgVldTimer_mS_M_u32 = Max
TS 2.248VehDyn_SrlHwAgVldTimer_mS_M_u32 = Mid
   TS 2.249DtrmnElapsedTime_mS_u32 = Min
   TS 2.250DtrmnElapsedTime_mS_u32 = Max
TS 2.251DtrmnElapsedTime_mS_u32 = Pos
   TS 2.252GetSystemTime_m\overline{S}_u\overline{32} = Min
   TS 2.253GetSystemTime_mS_u32 = Max
TS 2.254GetSystemTime_mS_u32 = Pos
TS 2.255Rte_Call_SystemTime_DtrmnElapsedTime_mS_u32=min
   TS 2.256Rte Call_SystemTime_DtrmnElapsedTime_mS_u32=max TS 2.257Rte_Call_SystemTime_DtrmnElapsedTime_mS_u32=mid TS 2.258Rte_Call_SystemTime_GetSystemTime_mS_u32=min
   TS 2.259Rte_Call_SystemTime_GetSystemTime_mS_u32=max TS 2.260Rte_Call_SystemTime_GetSystemTime_mS_u32=mid
```

| Name | Input Value |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|
| DtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| GetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 0 |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 0 |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 0 |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 0 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1600 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 2.51327106e-006 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1600 |



| Name | Input Value |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 2.51327106e-006 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | · · |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 0 |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 0 |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 0 |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 0 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1600 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 2.51327106e-006 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1600 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 2.51327106e-006 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| VehDyn AutoCntrLoSpd M str.MtrVel MtrRadpS f32 | 0 |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 0 |
| VehDyn AutoCntrLoSpd M str.FiltPinTrg HwNm f32 | 0 |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 0 |
| VehDyn AutoCntrLoSpd M str.Timer2Thresh mS u16 | 0 |
| | 0 |
| VehDyn_AutoCntrl_oSpd_M_str.Timer1_mS_u32 | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1600 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 2.51327106e-006 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1600 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 2.51327106e-006 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 0 |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | -1600 |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 |
| VehDyn_Initialize_Cnt_M_Igc | 0 |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 |
| VehDyn_MaxOffset_HwDeg_M_f32 | -2840 |
| VehDyn_MinOffset_HwDeg_M_f32 | -1440.10999 |
| VehDyn_PinTrqSV_M_str.SV_UIs_f32 | -18.7999992 |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 2.51327106e-006 |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0 |
| VehDyn_SLPHwPos_HwDeg_M_f32 | -1600 |
| VehDyn SrlHwAgVldTimer mS M u32 | 0 |
| k HiSpdVDAuthority Uls f32 | 0 |
| k HwTqMgnThd HwNm f32 | 0 |
| k_LoSpdVDAuthority_Uls_f32 | 0 |
| | 0 |
| k_SrlHwAgVIdTiThd_mS_u32 | |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 1 |
| k_TravelXCDeadband_Uls_f32 | 0 |
| k_TravelXCHwAuthority_UIs_f32 | 0 |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 0 |
| target_GetSystemTime_mS_u32_CurrentTime | 0 |
| $target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_Elapsed$ | |
| target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTin | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_Uls_f32 |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc | target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph_f32 |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -1440.10999 |
| angot Shipyii_i or i_oomeo i_nwbog_ioz.value | |



| Name | Input Value | | |
|------------------------------------------------------------------|--------------|-----------------------|----------|
| target VehDyn Per1 CwEOT HwDeg f32.value | 360 | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | -10 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | -1118 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | -1600 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 0 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | -1600 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | -8.80000019 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 0 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 0 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 0 | 0 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 0 | 0 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1600 | -1600 ± 0.009 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1600 | -1600 ± 0.009 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 0 | 0 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 0 | 0 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1600 | -1600 ± 0.009 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1600 | -1600 ± 0.009 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 0 | 0 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 0 | 0 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1600 | -1600 ± 0.009 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1600 | -1600 ± 0.009 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 | 0 | ~ |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 | 0 | ~ |
| VehDyn_MaxOffset_HwDeg_M_f32 | 360 | 360 | ~ |
| VehDyn_MinOffset_HwDeg_M_f32 | -1440.10999 | -1440.10999 | ~ |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | -18.7999992 | -18.7999992 ± 0.00009 | ~ |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 0 | 0 | ~ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 0 | 0 ± 0.004 | ~ |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | -1600 | -1600 ± 0.1 | ✓ |

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|----------------------------------------------------|-------|----------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |

| Test Step 2.2 (Repeat Count = 1) | |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|
| Name | Input Value |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| GetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 700 |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 255 |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 20 |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 100 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 60000 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 60000 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 4294967295 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 4294967295 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1600 |



| Name | Input Value |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.00125584786 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1600 |
| VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32 | 0.00125584786 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 700 |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 255 |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 20 |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 100 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 60000 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 60000 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 4294967295 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 4294967295 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1600 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.00125584786 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1600 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.00125584786 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| VehDyn AutoCntrLoSpd M str.MtrVel MtrRadpS f32 | 700 |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 255 |
| VehDyn AutoCntrLoSpd M str.FiltPinTrg HwNm f32 | 20 |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 100 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 60000 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 60000 |
| | |
| VehDyn_AutoCntrl_oSpd_M_str.Timer1_mS_u32 | 4294967295 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 4294967295 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1600 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.00125584786 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1600 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.00125584786 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 1 |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | 1600 |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 |
| VehDyn_Initialize_Cnt_M_lgc | 1 |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 |
| VehDyn_MaxOffset_HwDeg_M_f32 | 1440.10999 |
| VehDyn MinOffset HwDeg M f32 | 2840 |
| VehDyn_PinTrqSV_M_str.SV_UIs_f32 | 18.7999992 |
| VehDyn PinTrqSV M str.K Uls f32 | 0.00125584786 |
| VehDyn SLPHwAuth Uls M f32 | 1 |
| VehDyn SLPHwPos HwDeg M f32 | 1600 |
| VehDyn SrlHwAgVldTimer mS M u32 | 4294967295 |
| k_HiSpdVDAuthority_Uls_f32 | 1 |
| k_HwTqMgnThd_HwNm_f32 | 10 |
| | 1 |
| k_LoSpdVDAuthority_Uls_f32 | |
| k_SrlHwAgVldTiThd_mS_u32 | 100000 |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 100 |
| k_TravelXCDeadband_Uls_f32 | 100 |
| k_TraveIXCHwAuthority_UIs_f32 | 1 |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 4294967295 |
| target_GetSystemTime_mS_u32_CurrentTime | 4294967295 |
| $target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_Elapsed$ | |
| target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentS_u32_CurrentTime_mS_u32_CurrentS_u32_Curre | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_Uls_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAgVld_Cnt_Igc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc | target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc |
| target_nto_mat_hp_venbyn.venbyn_r envenibleopeeuvaliu_cnt_igt | targot_vonDyn_r or i_vonioloopcouvaliu_ont_igo |



| Name | Input Value | | |
|------------------------------------------------------------|----------------------------|----------------|----------|
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_Vehicle | Speed_Kph_f32 | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -360 | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 1440.10999 | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | 10 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | 1118 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | 1600 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 1 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | 1600 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | 8.80000019 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 1 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 511 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 4294967295 | 4294967295 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 4294967295 | 4294967295 | ✓ |

| target_veribyri_rerri_veribleepeed_rtpri_rezrrande | | | |
|------------------------------------------------------------------|--------------|----------------------|----------|
| Name | Actual Value | Expected Value | Result |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 4294967295 | 4294967295 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 4294967295 | 4294967295 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1600 | 1600 ± 0.009 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1600 | 1600 ± 0.009 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 4294967295 | 4294967295 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 4294967295 | 4294967295 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1600 | 1600 ± 0.009 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1600 | 1600 ± 0.009 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 4294967295 | 4294967295 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 4294967295 | 4294967295 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1600 | 1600 ± 0.009 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1600 | 1600 ± 0.009 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 | 1 | ✓ |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | ✓ |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | 1 | ✓ |
| VehDyn_MaxOffset_HwDeg_M_f32 | -159.890015 | -159.889999 | ✓ |
| VehDyn_MinOffset_HwDeg_M_f32 | 2840 | 2840 | ✓ |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 18.7890587 | 18.7890587 ± 0.00009 | ~ |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 4294967295 | 4294967295 | ✓ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 1 | 1 ± 0.004 | ~ |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | 0 | 0 ± 0.1 | ✓ |

| T | | | | V |
|----------------------------------------------------|-------|----------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |

| Test Step 2.3 (Repeat Count = 1) | v v v v v v v v v v v v v v v v v v v |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|
| Name | Input Value |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| GetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 200.100006 |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 156.100006 |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 4.099999 |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 42.0999985 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 7034 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 39056 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 2160073393 |



| Name | Input Value |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 2345892860 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -172.389999 |
| VehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32 | 0.000650000002 |
| VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32 | -172.389999 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000650000002 |
| | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 125.099998 |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 124.5 |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 3.7999995 |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 10.5 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 49475 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 38708 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 2160073393 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 2345892860 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -172.389999 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000449999992 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -172.389999 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000780000002 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| VehDyn AutoCntrHiSpd M str.Filter1Initialized Cnt Igc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 200.100006 |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 156.100006 |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 4.4000001 |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 42.099985 |
| | 7034 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 39056 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 2160073393 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 2345892860 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -172.389999 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 2.4999994e-005 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -172.389999 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000650000002 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 0 |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | -1600 |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 |
| VehDyn_Initialize_Cnt_M_lgc | 0 |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 |
| VehDyn_MaxOffset_HwDeg_M_f32 | 369.15799 |
| VehDyn MinOffset HwDeg M f32 | -1439.15405 |
| VehDyn PinTrqSV M str.SV Uls f32 | 7.80000019 |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.00025099999 |
| VehDyn SLPHwAuth Uls M f32 | 0.98699989 |
| VehDyn_SLPHwPos_HwDeg_M_f32 | -1589.15002 |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 1050692864 |
| k_HiSpdVDAuthority_Uls_f32 | 0.89999976 |
| | 0.899999976 |
| k_HwTqMgnThd_HwNm_f32 | |
| k_LoSpdVDAuthority_UIs_f32 | 0.330000013 |
| k_SrlHwAgVldTiThd_mS_u32 | 12 |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 10.0200005 |
| k_TravelXCDeadband_Uls_f32 | 1.25 |
| k_TravelXCHwAuthority_Uls_f32 | 0.0153999999 |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 1720406272 |
| target_GetSystemTime_mS_u32_CurrentTime | 4243378688 |
| $target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTim$ | Ti 2659241984 |
| $target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTim$ | e 1050692864 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_Uls_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 |
| w.gocwo_moc_np_voneym.voneym_rorr_orr_orrawag_rweeg_toz | tangot_ to abyti_t or t_online tg_tabbug_toz |



| Name | Input Value | | |
|------------------------------------------------------------------|-----------------------------|----------------------|----------|
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCi | mdCRF_MtrNm_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc | target_VehDyn_Per1_VehicleS | peedValid_Cnt_lgc | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleS | peed_Kph_f32 | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -1438.15002 | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 375.23999 | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | -9.10000038 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | -900.210022 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | -172.389999 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 0 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | -1589.15002 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | -8 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 0 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 0 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 2160073393 | 2160073393 | • |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 2345892860 | 2345892860 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -172.389999 | -172.389999 ± 0.0009 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -172.389999 | -172.389999 ± 0.0009 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 4243378688 | 4243378688 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 2345892860 | 2345892860 | - |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -172.389999 | -172.389999 ± 0.0009 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -172.389999 | -172.389999 ± 0.0009 | |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn AutoCntrHiSpd M str.Filter2Initialized Cnt lgc | 0 | 0 | ✓ |
| VehDyn AutoCntrLoSpd M str.Timer1 mS u32 | 2160073393 | 2160073393 | ✓ |
| VehDyn AutoCntrLoSpd M str.Timer2 mS u32 | 2345892860 | 2345892860 | - |
| VehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32 | -172.389999 | -172.389999 ± 0.0009 | ✓ |
| VehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32 | -172.389999 | -172.389999 ± 0.0009 | - |
| VehDyn AutoCntrLoSpd M str.Filter1Enable Cnt Igc | 1 | 1 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | - |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn LoSpdLearnt Cnt M Igc | 1 | 1 | • |
| VehDyn_MaxOffset_HwDeg_M_f32 | 375.23999 | 375.23999 | • |
| VehDyn_MinOffset HwDeg M f32 | -1438.15002 | -1438.15002 | _ |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 7.79555798 | 7.7955575 ± 0.000009 | |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 1050692864 | 1050692864 | • |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 0.899999976 | 0.89999976 ± 0.004 | |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | 0 | 0 ± 0.1 | _ |
| | · · | 0 = 0 | |

| T | | | | V |
|----------------------------------------------------|-------|----------------------------------------------------|-------|--------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | • |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | • |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |

| Test Step 2.4 (Repeat Count = 1) | | |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|--|
| Name | Input Value | |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime | |
| GetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime | |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime | |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime | |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn | |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 | |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 457.299988 | |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 166.300003 | |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 16.2999992 | |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 12.3000002 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 25532 | |



| Name | Input Value |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 27401 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 54822322 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 2553156835 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -599.400024 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000652000017 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -599.400024 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000652000017 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 124 |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 84.099985 |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 5.5 |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 25 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 43128 58869 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 54822322 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 2553156835 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit1SV_HwDeg_str.SV_Uls_f32 | -599.400024 |
| | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 0.000452000007 -599.400024 |
| | -599.400024 0.000782000017 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_igc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_igc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 457.399994 |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 166.399994 |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 16.1000004 |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 12.3999996 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 25532 |
| VehDyn AutoCntrLoSpd M str.Timer2Thresh mS u16 | 27401 |
| VehDyn AutoCntrLoSpd M str.Timer1 mS u32 | 54822322 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 2553156835 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -599,400024 |
| VehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32 | 2.5400006e-005 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 | -599.400024 |
| VehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32 | 0.000652000017 |
| VehDyn AutoCntrLoSpd M str.Filter1Enable Cnt Igc | 0 |
| VehDyn AutoCntrLoSpd M str.Filter2Enable Cnt Igc | 1 |
| VehDyn AutoCntrLoSpd M str.Filter1Initialized Cnt Igc | 1 |
| VehDyn AutoCntrLoSpd M str.Filter2Initialized Cnt Igc | 1 |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 0 |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | -1500.22998 |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 |
| VehDyn_Initialize_Cnt_M_lgc | 1 |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 |
| VehDyn_MaxOffset_HwDeg_M_f32 | -374.149994 |
| VehDyn_MinOffset_HwDeg_M_f32 | -1432.46997 |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 3.20000005 |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000251999998 |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.972000003 |
| VehDyn_SLPHwPos_HwDeg_M_f32 | -1578.89001 |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 3039943680 |
| k_HiSpdVDAuthority_Uls_f32 | 0.349999994 |
| k_HwTqMgnThd_HwNm_f32 | 1.5 |
| k_LoSpdVDAuthority_UIs_f32 | 0.889999986 |
| k_SrlHwAgVldTiThd_mS_u32 | 45 |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 25.1000004 |
| k_TravelXCDeadband_Uls_f32 | 2.69000006 |
| k_TravelXCHwAuthority_UIs_f32 | 0.0166250002 |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 2659241984 |
| target_GetSystemTime_mS_u32_CurrentTime | 1050692864 |
| $target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u30_ElapsedTime_mS_u30_ElapsedTime_mS_u30_ElapsedTime_mS_u30_ElapsedTime_mS_u30_ElapsedTime_mS_u30_ElapsedTime_mS_u30_ElapsedTime_mS_u30_ElapsedTime_mS_u30_ElapsedTime_mS_u30_ElapsedTime_mS_u30_ElapsedTime_mS_u30_ElapsedTime_mS_u30_ElapsedTime_mS_u30_ElapsedTime_mS_u30_ElapsedTime_mS_u30_ElapsedTime_mS_u30_ElapsedTime_mS_u30_ElapsedTime_mS_u30_ElapsedTime_mS_u30_ElapsedTime_mS_u30_ElapsedTime_mS_u30_ElapsedTime_mS_u30_ElapsedTime_mS_u30_ElapsedTime_mS_u30_ElapsedTime_mS_u30_ElapsedTime_mS_u30_ElapsedTime_mS_u30_ElapsedTime_mS_u30_ElapsedTime_mS_u30_ElapsedTime_mS_u30_ElapsedTime_mS_u30_ElapsedTime_mS_u30_ElapsedTime_mS_u30_ElapsedTime_mS_u30_ElapsedTime_mS_u30_ElapsedTime_mS_u30_ElapsedTime_mS_u30_ElapsedTime_mS_u30_ElapsedTime_mS_u30_ElapseDTime_mS_u30_ElapseDTime_mS_u30_ElapseDTime_mS_u30_ElapseDTime_mS_u30_ElapseDTime_mS_u30_ElapseDTime_mS_u30_ElapseDTime_mS_u30_ElapseDTime_mS_u30_ElapseDTime_mS_u30_ElapseDTime_mS_u30_ElapseDTime_mS_u30_ElapseDTime_mS_u30_ElapseDTime_mS_u30_ElapseDTime_mS_u30_ElapseDTime_mS_u30_ElapseDTime_mS_u30_ElapseDTime_mS_u30_ElapseDTime_mS_u30_ElapseDTime_mS_u30_ElapseDTime_mS_u30_ElapseDTime_mS_u30_ElapseDTime_mS_u30_ElapseDTime_mS_u30_ElapseDTime_mS_u30_ElapseDTime_mS_u30_ElapseDTime_mS_u30_ElapseDTime_mS_u30_ElapseDTime_mS_u30_ElapseDTime_mS_u30_ElapseDTime_mS_u30_ElapseDTime_mS_u30_ElapseDTime_mS_u30_ElapseDTime_mS_u30_ElapseDTime_mS_u30_ElapseDTime_mS_u30_ElapseDTime_mS_u30_ElapseDTime_mS_u30_ElapseDTime_mS_u30_ElapseDTime_mS_u30_ElapseDTime_mS_u30_ElapseDTime_mS_u30_ElapseDTime_mS_u30_ElapseDTime_mS_u30_ElapseDTime_mS_u30_ElapseDTime_mS_u30_ElapseDTime_mS_u30_ElapseDTime_mS_u30_ElapseDTime_mS_u30_ElapseDTime_mS_u30_ElapseDTime_mS_u30_ElapseDTime_mS_u30_ElapseDTime_mS_u30_ElapseDTime_mS_u30_ElapseDTime_mS_u30_ElapseDTime_mS_u30_ElapseDTime_mS_u30_ElapseDTime_mS_u30_ElapseDTime_mS_u30_ElapseDTime_mS_u30_ElapseDTime_mS_u30_ElapseDTime_mS_u30_ElapseDTime_mS_u30_ElapseD$ | 2942063360 |
| $target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTim$ | 3039943680 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 |
| | target_VehDyn_Per1_RelHwPos_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | [mago_von2yn_n on on on on on |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_Uls_f32 |



Name Input Value



| | (14 10 10 10 |
|-----------------------------------------------------------------------|--------------------------------------|
| Name | Input Value |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 116.699997 |
| VehDyn AutoCntrDetSpd M str.FiltPinTrg HwNm f32 | 18.7000008 |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 88.699969 |
| VehDyn AutoCntrDetSpd M str.Timer1Thresh mS u16 | 2291 |
| · - · | |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 58929 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 3589476707 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 109643620 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 49.4199982 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.00067400001 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 49.4199982 |
| VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32 | 0.00067400001 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 2.5 |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 126.099998 |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 16.5 |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 75.5 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 38868 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 57944 |
| VehDyn AutoCntrHiSpd M str.Timer1 mS u32 | 3589476707 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 109643620 |
| | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 49.4199982 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000492900028 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 49.4199982 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.00080400001 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_Igc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| | |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 120.300003 |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 116.5 |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 18.2999992 |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 88.5 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 2291 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 58929 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 3589476707 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 109643620 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 49.4199982 |
| | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 2.9799995e-005 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 49.4199982 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.00067400001 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 1 |
| VehDyn ForceCenterErlabled_Cht_M_igc | |
| , = = = = = | -401.220001 |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 |
| VehDyn_Initialize_Cnt_M_lgc | 0 |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 |
| VehDyn_MaxOffset_HwDeg_M_f32 | 429.062012 |
| VehDyn_MinOffset_HwDeg_M_f32 | -1358.94604 |
| VehDyn_PinTrqSV_M_str.SV_UIs_f32 | 8.89999962 |
| VehDyn PinTrqSV M str.K Uls f32 | 0.000262999994 |
| , | |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.806999981 |
| VehDyn_SLPHwPos_HwDeg_M_f32 | -1466.03003 |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 824746752 |
| k_HiSpdVDAuthority_Uls_f32 | 1 |
| k_HwTqMgnThd_HwNm_f32 | 5.0999999 |
| k_LoSpdVDAuthority_Uls_f32 | 1 |
| k_SrlHwAgVldTiThd_mS_u32 | 20045 |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 75.5 |
| | |
| k_TraveIXCDeadband_UIs_f32 | 18.5300007 |
| k_TravelXCHwAuthority_Uls_f32 | 0.0300999992 |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 1050692864 |
| target_GetSystemTime_mS_u32_CurrentTime | 3304439296 |
| target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedT | Ti 3039943680 |
| target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime | 824746752 |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 |
| | gg,, ooo,gg_loz |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f32 |



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|-------------------------------------------------------------------|------------------------------------------------|-----------------------|----------|
| Name | Input Value | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrF | RadpS_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg | _f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_Uls_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_ | HwDeg_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc | target_VehDyn_Per1_SrlHwAgVld_Cnt_le | gc | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_t | 32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_N | ltrNm_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc | target_VehDyn_Per1_VehicleSpeedValid | _Cnt_lgc | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph | _f32 | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -1363.03003 | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 506.123993 | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | -8.80000019 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | -897.599976 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | 49.4199982 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 0 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | -1466.03003 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | -3.20000005 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 0 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 256.640015 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 | 1 | _ |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 3589476707 | 3589476707 | ✓ |
| VehDyn AutoCntrDetSpd M str.Timer2 mS u32 | 109643620 | 109643620 | _ |
| VehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32 | 49.4199982 | 49.4199982 ± 0.00009 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 49.4199982 | 49.4199982 ± 0.00009 | _ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | _ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | _ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 3304439296 | 3304439296 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 109643620 | 109643620 | _ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 49.4199982 | 49.4199982 ± 0.00009 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 49.4199982 | 49.4199982 ± 0.00009 | _ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | _ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | _ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 3589476707 | 3589476707 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 109643620 | 109643620 | _ |
| VehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32 | 49.4199982 | 49.4199982 ± 0.00009 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 49.4199982 | 49.4199982 ± 0.00009 | _ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn AutoCntrLoSpd M str.Filter2Enable Cnt lgc | 0 | 0 | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | - |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 | 1 | ✓ |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | ✓ |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | 1 | ✓ |
| VehDyn_MaxOffset_HwDeg_M_f32 | 506.123993 | 506.123993 | - |
| VehDyn MinOffset HwDeg M f32 | -1363.03003 | -1363.03003 | ✓ |
| VehDyn PinTrgSV M str.SV Uls f32 | 8.89533329 | 8.89533329 ± 0.000009 | - |
| VehDyn SrlHwAgVldTimer mS M u32 | 824746752 | 824746752 | ~ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 1 | 1 ± 0.004 | · |
| · | | | |

| T | | | | V |
|----------------------------------------------------|-------|----------------------------------------------------|-------|--------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |

450.640015

450.640015 ± 0.1

| Test Step 2.6 (Repeat Count = 1) | | |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|--|
| Name | Input Value | |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime | |
| GetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime | |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime | |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime | |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn | |

target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value



| | (14 11 10 10 |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| Name | Input Value |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 73.4000015 |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 64.4000015 |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 9.39999962 |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 86.4000015 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 53759 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 18715 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 4290967295 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 2967684784 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 995.5 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000655999989 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 995.5 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000655999989 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 566.5 52.7999992 |
| , - , , -, - | 7.80000019 |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 56.1399994 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 13352 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 14442 |
| VehDyn AutoCntrHiSpd M str.Timer1 mS u32 | 4290967295 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 2967684784 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 995.5 |
| VehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32 | 0.000126600004 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 995.5 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.00078599999 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 73.1999969 |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 64.3000031 |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 9.19999981 |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 86.3000031 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 53759 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 18715 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 4290967295 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 2967684784 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 995.5 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 2.61999994e-005 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 995.5 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000655999989 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn AutoCntrLoSpd M str.Filter2Initialized Cnt lgc | 1 |
| , - , | 0 |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc VehDyn_ForceCenterOffset_HwDeg_M_f32 | -1300.41003 |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 |
| VehDyn_nitalize Cnt M lgc | 0 |
| VehDyn LoSpdLearnt Cnt M lgc | 0 |
| VehDyn_MaxOffset_HwDeg_M_f32 | -384.134003 |
| VehDyn MinOffset HwDeg M f32 | -1419.10205 |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 7.5999999 |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000254000013 |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.941999972 |
| VehDyn_SLPHwPos_HwDeg_M_f32 | -1558.37 |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 123 |
| k_HiSpdVDAuthority_Uls_f32 | 0.870000005 |
| k_HwTqMgnThd_HwNm_f32 | 5.25 |
| k_LoSpdVDAuthority_Uls_f32 | 0.69999988 |
| k_SrlHwAgVldTiThd_mS_u32 | 112 |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 56.5 |
| k_TravelXCDeadband_Uls_f32 | 5.57000017 |
| k_TraveIXCHwAuthority_UIs_f32 | 0.0190750007 |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 1117112832 |
| torget CatCustomTime mC u22 CurrentTime | 1316564736 |
| target_GetSystemTime_mS_u32_CurrentTime | |
| $target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_Elapsed$ | Ti 1736795392 |
| target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTimetarget_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32 | Ti 1736795392 |



| | | | , | |
|-------------------------------------------------------------------|--------------------------------------|-----------------------|------|----------|
| Name | Input Value | | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f | 32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm | _f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_Mtrl | RadpS_f32 | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg | 1_f32 | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthori | ty_Uls_f32 | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos | HwDeg f32 | | |
| target Rte Inst Ap VehDyn.VehDyn Per1 SrlHwAgVld Cnt Igc | target VehDyn Per1 SrlHwAgVld Cnt I | gc | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_ | f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_N | /ltrNm_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc | target_VehDyn_Per1_VehicleSpeedValid | Cnt_lgc | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph | n_f32 | | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -1419.37 | | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 407.960999 | | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | -10 | | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | -425.25 | | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | 995.5 | | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 0 | | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | -1558.37 | | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | -5.4000001 | | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc.value | 1 | | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 10.2139997 | | | |
| Name | Actual Value | Expected Value | Resu | ult |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 | 1 | | ~ |
| VehDyn AutoCntrDetSpd M str.Timer1 mS u32 | 4290967295 | 4290967295 | | • |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 2967684784 | 2967684784 | | ~ |
| VehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32 | 995.5 | 995.5 ± 0.0009 | | • |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 995.5 | 995.5 ± 0.0009 | | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 1316564736 | 1316564736 | | • |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 2967684784 | 2967684784 | | • |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 995.5 | 995.5 ± 0.0009 | | V |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 995.5 | 995.5 ± 0.0009 | | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | | • |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 1316564736 | 1316564736 | | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 2967684784 | 2967684784 | | • |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 995.5 | 995.5 ± 0.0009 | | V |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 995.5 | 995.5 ± 0.0009 | | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | | ~ |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 | 0 | | ~ |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | | ~ |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 | 0 | | • |
| VehDyn_MaxOffset_HwDeg_M_f32 | 407.960999 | 407.960999 | | ~ |
| VehDyn_MinOffset_HwDeg_M_f32 | -1419.37 | -1419.37 | | ~ |
| VehDyn_PinTrqSV_M_str.SV_UIs_f32 | 7.59550524 | 7.59550524 ± 0.000009 | | ~ |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 123 | 123 | | ~ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 0.69999988 | 0.699999988 ± 0.004 | | ~ |
| | | | | |

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|----------------------------------------------------|-------|----------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ✓ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Rte Call VehDyn Per1 CP1 CheckpointReached | 1 | Rte Call VehDyn Per1 CP1 CheckpointReached | 1 | - |

0 ± 0.1

| Test Step 2.7 (Repeat Count = 1) | ✓ |
|--------------------------------------|--------------------------------------------|
| Name | Input Value |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |

target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value



| Name | Input Value |
|------------------------------------------------------------------------|--------------------------------------------------------------------------|
| GetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| /ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 10.1000004 |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 52.0999985 |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 7.0999999 |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 56.0999985 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 13352 |
| VehDyn AutoCntrDetSpd M str.Timer2Thresh mS u16 | 14442 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 1078320779 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 3174948758 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -880.02002 |
| VehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32 | 0.000658000004 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -880.02002 |
| /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000658000004 |
| | 0 |
| /ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| /ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| /ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| /ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 631.5 |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 34.5 |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 5.0999999 |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 54.2299995 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 21364 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 52716 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 1078320779 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 3174948758 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -880.02002 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000167299993 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -880.02002 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000788000005 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 10.6999998 |
| VehDyn AutoCntrLoSpd M str.VehSpd kph f32 | 52.7000008 |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 7.69999981 |
| VehDyn AutoCntrLoSpd M str.CntrWindow HwDeg f32 | 56.7000008 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 13352 |
| · - · · | 14442 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 1078320779 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 3174948758 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -880.02002 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 2.66000006e-005 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -880.02002 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000658000004 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| /ehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| /ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| /ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| /ehDyn_ForceCenterEnabled_Cnt_M_lgc | 0 |
| /ehDyn_ForceCenterOffset_HwDeg_M_f32 | -1200.5 |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 |
| VehDyn_Initialize_Cnt_M_lgc | 0 |
| /ehDyn_LoSpdLearnt_Cnt_M_lgc | 1 |
| /ehDyn_MaxOffset_HwDeg_M_f32 | 389.126007 |
| /ehDyn_MinOffset_HwDeg_M_f32 | -1412.41797 |
| /ehDyn_PinTrqSV_M_str.SV_UIs_f32 | 1.5 |
| /ehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000254999992 |
| /ehDyn_SLPHwAuth_Uls_M_f32 | 0.926999986 |
| /ehDyn_SLPHwPos_HwDeg_M_f32 | -1548.10999 |
| /ehDyn_SrlHwAgVldTimer_mS_M_u32 | 54689 |
| | |
| (_HiSpdVDAuthority_UIs_f32 | 0.75999999 |
| C_HwTqMgnThd_HwNm_f32 | 1.10000002 |
| k_LoSpdVDAuthority_Uls_f32 | 0.560000002 |
| k_SrlHwAgVIdTiThd_mS_u32 | 1385 |
| <_SysKinRatio_MtrDegpHwDeg_f32 | 54.2999992 |
| TravelVCD and hand I lie f22 | 7.01000023 |
| <pre><_TraveIXCDeadband_UIs_f32</pre> < TraveIXCHwAuthority UIs_f32 | 0.0203000009 |



| Name | Input Value | | |
|-----------------------------------------------------------------------|------------------------------------------|--------------------------|----------|
| target_GetSystemTime_mS_u32_CurrentTime | 2075080192 | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedT | | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime | 54689 | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32 | target VehDyn Per1 CcwEOT HwDeg f32 | | |
| target Rte Inst Ap VehDyn.VehDyn Per1 CwEOT HwDeg f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target VehDyn Per1 HwTorque HwNm f32 | 2 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRad | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f3 | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_U | | |
| target Rte Inst Ap VehDyn.VehDyn Per1 SensorlessHwPos HwDeg f32 | target_VehDyn_Per1_SensorlessHwPos_Hv | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAgVld_Cnt_lgc | target VehDyn Per1 SrlHwAgVld Cnt Igc | <u> </u> | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 | | |
| target Rte Inst Ap VehDyn.VehDyn Per1 TorqueCmdCRF MtrNm f32 | target VehDyn Per1 TorqueCmdCRF MtrN | Im f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc | target_VehDyn_Per1_VehicleSpeedValid_C | _ | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph_f3 | | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -1413.10999 | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 418.868011 | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | 10 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | 752.75 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | -880.02002 | | |
| target VehDyn Per1 SrlHwAgVld Cnt Igc.value | 0 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | -1548.10999 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | 7.5999999 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 0 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 20.1399994 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn AllowHiSpdAutoCntr Cnt M Igc | 1 | 1 | Kesuit |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 1078320779 | 1078320779 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 3174948758 | 3174948758 | |
| | -880.02002 | -880.02002 ± 0.0009 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -880.02002 -880.02002 | | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | | -880.02002 ± 0.0009 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | | 1 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | | |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 2075080192 3174948758 | 2075080192 3174948758 | |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | -880.02002 | -880.02002 ± 0.0009 | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDog_str.SV_Uls_f32 | | | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -880.02002 | -880.02002 ± 0.0009 | |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 1078320779 | 1078320779 | • |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 3174948758 | 3174948758 | Y |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -880.02002 | -880.02002 ± 0.0009 | Y |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -880.02002 | -880.02002 ± 0.0009 | Y |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 | 1 | • |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | <u> </u> |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | 1 | • |
| VehDyn_MaxOffset_HwDeg_M_f32 | 418.868011 | 418.868011 | ~ |
| VehDyn_MinOffset_HwDeg_M_f32 | -1413.10999 | -1413.10999 | ✓ |
| VehDyn_PinTrqSV_M_str.SV_UIs_f32 | 1.50220323 | 1.50220323 ± 0.000009 | • |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 54689 | 54689 | ✓ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 0.75999999 | 0.75999999 ± 0.004 | ✓ |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | 0 | 0 ± 0.1 | |

| Т | | | | |
|----------------------------------------------------|-------|----------------------------------------------------|-------|--------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Rte Call VehDyn Per1 CP1 CheckpointReached | 1 | Rte Call VehDyn Per1 CP1 CheckpointReached | 1 | ~ |



| est Step 2.8 (Repeat Count = 1) | |
|-------------------------------------------------------------------------------|--------------------------------------------------------------------------|
| ame | Input Value |
| trmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| etSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| te_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| te_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| te_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 0 |
| ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 0 |
| ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 0 |
| ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 0 |
| ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 0 |
| ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 0 |
| ehDyn AutoCntrDetSpd M str.Timer2Thresh mS u16 | 0 |
| ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 0 |
| ehDyn AutoCntrDetSpd M str.Timer2 mS u32 | 0 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1600 |
| | 2.51327106e-006 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1600 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 2.51327106e-006 |
| ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 0 |
| ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 0 |
| ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 0 |
| ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 0 |
| ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 0 |
| ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 0. |
| ehDyn AutoCntrHiSpd M str.Timer1 mS u32 | 0 |
| ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 0 |
| ehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32 | -1600 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 2.51327106e-006 |
| ehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32 | -1600 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 2.51327106e-006 |
| | 0 |
| ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | |
| ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 0 |
| ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 0 |
| ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 0 |
| ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 0 |
| ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 0 |
| ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 0 |
| ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 0 |
| ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 0 |
| ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1600 |
| ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 2.51327106e-006 |
| ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1600 |
| ehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32 | 2.51327106e-006 |
| ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| ehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| enDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| ehDyn_AutoChtrLoSpd_M_str.Filter/Initialized_Cht_igc | 0 |
| 7 - 1 - 2 | 0 |
| ehDyn_ForceCenterEnabled_Cnt_M_lgc | |
| hDyn_ForceCenterOffset_HwDeg_M_f32 | -1600 |
| hDyn_HiSpdLearnt_Cnt_M_lgc | 0 |
| ehDyn_Initialize_Cnt_M_lgc | 0 |
| hDyn_LoSpdLearnt_Cnt_M_lgc | 0 |
| hDyn_MaxOffset_HwDeg_M_f32 | -2840 |
| ehDyn_MinOffset_HwDeg_M_f32 | -1440.10999 |
| ehDyn_PinTrqSV_M_str.SV_Uls_f32 | -18.7999992 |
| ehDyn_PinTrqSV_M_str.K_Uls_f32 | 2.51327106e-006 |
| ehDyn_SLPHwAuth_Uls_M_f32 | 0 |
| ehDyn_SLPHwPos_HwDeg_M_f32 | -1600 |
| ehDyn_SrlHwAgVldTimer_mS_M_u32 | 0 |
| HiSpdVDAuthority UIs f32 | 0 |
| HwTqMgnThd HwNm f32 | 0 |
| | l v |
| - , , | 0 |
| _nwiqwgiring_nwiii_is2 LoSpdVDAuthority_Uls_f32 _SrlHwAgVldTiThd_mS_u32 | 0 0 |



| | | ` | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|-----------------------|---------------------------------------|
| Name | Input Value | | |
| k_TravelXCDeadband_Uls_f32 | 0 | | |
| k_TravelXCHwAuthority_Uls_f32 | 0 | | |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 0 | | |
| target_GetSystemTime_mS_u32_CurrentTime | 0 | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTi | | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime | | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f32 | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRad target_VehDyn_Per1_RelHwPos_HwDeg_f3 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_L | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_Hw | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc | 7Deg_132 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_MtrN | lm f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc | target_VehDyn_Per1_VehicleSpeedValid_Cr | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph_f3 | | |
| target VehDyn Per1 CcwEOT HwDeg f32.value | -1440.10999 | _ | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 360 | | |
| target VehDyn Per1 HwTorque HwNm f32.value | 0 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | -1118 | | |
| target VehDyn Per1 RelHwPos HwDeg f32.value | -1600 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 0 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | -1600 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | -8.80000019 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 0 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 0 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 0 | 0 | • |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 0 | 0 | • |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 0 | 0 | • |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1600 | -1600 ± 0.009 | · · · · · · · · · · · · · · · · · · · |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1600 | -1600 ± 0.009 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 0 | 0 | • |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 0 | 0 | • |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1600 | -1600 ± 0.009 | • |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1600 | -1600 ± 0.009 | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 0 | 0 | • |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1600 | -1600 ± 0.009 | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1600 0 | -1600 ± 0.009 | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | |
| VehDyn AutoCntrLoSpd M str.Filter1Initialized Cnt Igc | 0 | 0 | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 | 0 | |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 | 0 | |
| VehDyn_MaxOffset_HwDeg_M_f32 | 360 | 360 | |
| VehDyn_MinOffset_HwDeg_M_f32 | -1440.10999 | -1440.10999 | |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | -18.7999744 | -18.7999744 ± 0.00009 | |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 0 | 0 | |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 0 | 0 ± 0.004 | |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | -1600 | -1600 ± 0.1 | • |
| | | | |

| T | | | | ✓ |
|----------------------------------------------------|-------|----------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | • |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | • |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | • |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | • |



| Test Step 2.9 (Repeat Count = 1) | Innut Value |
|--------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|
| Name | Input Value |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| GetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 34.7999992 |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 VehDyn AutoCntrDetSpd M str.FiltPinTrg HwNm f32 | 96.8000031 6.80000019 |
| VehDyn_AutoChtrDetSpd_M_str.CntrWindow_HwDeg_f32 | 41.7999992 |
| VehDyn_AutoChtrDetSpd_M_str.Timer1Thresh_mS_u16 | 32821 |
| VehDyn_AutoChtrDetSpd_M_str.Timer1Thresh_mS_u16 | 53946 |
| VehDyn_AutoChtrDetSpd_M_str.Timer2+mesn_ms_u32 | 3174948758 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 1024 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 731.700012 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.00066999979 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 731.700012 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.0066999979 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| VehDyn_AutoChtrDetSpd_M_str.Filter2Enable_Cht_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 665 |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 106.5 |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 14.1000004 |
| VehDyn AutoCntrHiSpd M str.CntrWindow HwDeg f32 | 63.4000015 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 40437 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 13059 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 3174948758 |
| VehDyn AutoCntrHiSpd M str.Timer2 mS u32 | 1024 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 731.700012 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.00041149999 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 731.700012 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.00079999998 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 34.2000008 |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 96.0999985 |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 6.19999981 |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 41.0999985 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 32821 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 53946 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 3174948758 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 1024 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 731.700012 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 2.90000007e-005 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 731.700012 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000669999979 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 1 |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | -601.039978 |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 |
| VehDyn_Initialize_Cnt_M_lgc | 1 |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 |
| VehDyn_MaxOffset_HwDeg_M_f32 | 419.078003 |
| VehDyn_MinOffset_HwDeg_M_f32 | -1372.31396 |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 15.1999998 |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000261000008 |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.837000012 |
| VehDyn_SLPHwPos_HwDeg_M_f32 | -1486.55005 |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 954802432 |
| k_HiSpdVDAuthority_Uls_f32 | 0.272780001 |
| k_HwTqMgnThd_HwNm_f32 | 3.0999999 |
| k_LoSpdVDAuthority_Uls_f32 | 1 |
| k SrlHwAgVldTiThd mS u32 | 9000 |



| Name | Input Value | | |
|---------------------------------------------------------------------------------------------------------|-----------------------------------------|-------------------------------|----------|
| k_SysKinRatio_MtrDegpHwDeg_f32 | 63.0999985 | | |
| k TravelXCDeadband Uls f32 | 15.6499996 | | |
| k_TravelXCHwAuthority_Uls_f32 | 0.0276500005 | | |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 2127166208 | | |
| target_GetSystemTime_mS_u32_CurrentTime | 437658624 | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed | 4243378688 | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime | | | |
| target_Rte_Inst_Ap_VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 | 2 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f3 | 2 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRad | dpS_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f3 | 32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_ | Uls_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_Hv | wDeg_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_Mtrl | Nm_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc | target_VehDyn_Per1_VehicleSpeedValid_C | nt_lgc | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph_f3 | 32 | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -1375.55005 | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 484.309998 | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | 5.5 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | 154.199997 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | 731.700012 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 1 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | -1486.55005 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | 0 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 0 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 45.7900009 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 3174948758 | 3174948758 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 1024 | 1024 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 731.700012 | 731.700012 ± 0.0009 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 731.700012 | 731.700012 ± 0.0009 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 437658624 | 437658624 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 1024 | 1024 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 731.700012 | 731.700012 ± 0.0009 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 731.700012 | 731.700012 ± 0.0009 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | Y |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | Y |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 3174948758 | 3174948758 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 1024 | 1024 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 731.700012 | 731.700012 ± 0.0009 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 731.700012 | 731.700012 ± 0.0009 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 | 1 | V |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_MaxOffset_HwDeg_M_f32 | -247.390015 | -247.389999 | ~ |
| VehDyn_MinOffset_HwDeg_M_f32 | -1372.31396 | -1372.31396 | V |
| VehDyn_PinTrqSV_M_str.SV_UIs_f32 | 15.1974678 | 15.1974688 ± 0.00009 | V |
| | 954802432 | 954802432 | ✓ |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | | | |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | 1 1332.73999 | 1 ± 0.004 1332.73999 ± 0.1 | • |

| Τ | | | | ✓ |
|----------------------------------------------------|-------|----------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |



| est Step 2.10 (Repeat Count = 1) ame | Input Value |
|----------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
| ame trmnElapsedTime_mS_u32(ElapsedTime) | |
| etSystemTime mS u32(CurrentTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime target_GetSystemTime_mS_u32_CurrentTime |
| te_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| te_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| re_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| hDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 |
| hDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 75.0999985 |
| ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 88.0999985 |
| ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 1.10000002 |
| ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 96.0999985 |
| hDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 21335 |
| hDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 34188 |
| hDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 2553156835 |
| hDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 3796740682 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -293.049988 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000663999992 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -293.049988 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000663999992 |
| ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 86 |
| ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 76.0999985 2 |
| ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 32.2999992 |
| ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 12258 |
| ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 36416 |
| ehDyn AutoCntrHiSpd M str.Timer1 mS u32 | 2553156835 |
| ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 3796740682 |
| hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -293.049988 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000289399992 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -293.049988 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000793999992 |
| ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 75.5 |
| ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 88.8000031 |
| ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 1.5 |
| ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 96.8000031 |
| ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 21335 |
| ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 34188 |
| ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 2553156835 |
| ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 3796740682 |
| ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -293.049988 |
| ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 2.78000007e-005 |
| hDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -293.049988 |
| hDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000663999992 |
| hDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| hDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| hDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_Igc | 1 |
| hDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| hDyn_ForceCenterEnabled_Cnt_M_lgc | 1 |
| hDyn_ForceCenterOffset_HwDeg_M_f32 | -900.77002 |
| hDyn_HiSpdLearnt_Cnt_M_lgc | 0 |
| hDyn_Initialize_Cnt_M_lgc | 0 |
| hDyn_LoSpdLearnt_Cnt_M_lgc | 0 |
| hDyn_MaxOffset_HwDeg_M_f32 | 404.10199 |
| hDyn_MinOffset_HwDeg_M_f32 | -1392.36597 |
| ehDyn_PinTrqSV_M_str.SV_UIs_f32 | 17.7999992 |
| ehDyn_PinTrqSV_M_str.K_UIs_f32 | 0.000257999985 |
| ehDyn_SLPHwAuth_Uls_M_f32 ehDyn_SLPHwPos_HwDeg_M_f32 | 0.882000029 -1517.32996 |
| enDyn_StPhwPos_nwDeg_M_i32 ehDyn_SrlHwAgVldTimer_mS_M_u32 | -1517.32990 |
| HiSpdVDAuthority Uls f32 | 0.637000024 |
| HISPOVDAUTIONITY_DIS_132 HWTqMgnThd_HwNm_f32 | 0.0120000006 |
| TIW FUNDITING TIWINII IJZ | 0.0012000000 |



| | | | |
|-----------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|----------------------|----------|
| Name | Input Value | | |
| k_SrlHwAgVldTiThd_mS_u32 | 701 | | |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 32.5 | | |
| k_TravelXCDeadband_Uls_f32 | 11.3299999 | | |
| k_TravelXCHwAuthority_Uls_f32 | 0.0239749998 | | |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 463842816 | | |
| target_GetSystemTime_mS_u32_CurrentTime | 824746752 | | |
| target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 Elapsed | | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTim target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 |) | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target VehDyn Per1 CwEOT HwDeg f32 | • | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target VehDyn Per1 HwTorque HwNm f3 | 2 | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRac | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_ | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_H | wDeg_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_Mtrl | Nm_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc | target_VehDyn_Per1_VehicleSpeedValid_C | int_lgc | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph_f | 32 | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -1394.32996 | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 451.588989 | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | -7.30000019 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | 159.455994 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | -293.049988 0 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | -1517.32996 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | 4.5999999 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 1 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 35.8899994 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 | 1 | / / |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 2553156835 | 2553156835 | • |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 3796740682 | 3796740682 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -293.049988 | -293.049988 ± 0.0009 | • |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -293.049988 | -293.049988 ± 0.0009 | - |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 824746752 | 824746752 | • |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 3796740682 | 3796740682 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -293.049988 | -293.049988 ± 0.0009 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -293.049988 | -293.049988 ± 0.0009 | _ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | Y |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 0 | |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 1 824746752 | 824746752 | Ž |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 3796740682 | 3796740682 | J |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -293.049988 | -293.049988 ± 0.0009 | |
| VehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32 | -293.049988 | -293.049988 ± 0.0009 | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | - |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | - |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 | 0 | • |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | - |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 | 0 | • |
| VehDyn_MaxOffset_HwDeg_M_f32 | 451.588989 | 451.588989 | - |
| VehDyn_MinOffset_HwDeg_M_f32 | -1394.32996 | -1394.32996 | • |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 17.79356 | 17.79356 ± 0.00009 | ~ |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 12 | 12 | ~ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 1 | 1 ± 0.004 | ~ |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | 607.720032 | 607.719971 ± 0.1 | - |



| Τ | | | | |
|----------------------------------------------------|-------|----------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | • |

| est Step 2.11 (Repeat Count = 1) | Input Value |
|-------------------------------------------------------------------|--------------------------------------------------------------------------|
| rmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| etSystemTime mS u32(CurrentTime) | target GetSystemTime mS u32 CurrentTime |
| re_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| re_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target Rte Call Ap VehDyn SystemTime GetSystemTime mS u32 CurrentTime |
| re_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| e_inst_Ap_veribyii ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 |
| ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 98.5 |
| ehDyn AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 76.5 |
| ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 2.5 |
| ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 32.5 |
| | 12258 |
| ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 36416 |
| ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | |
| ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 2760420809 |
| ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 4004004656 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -627.179993 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000666000007 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -627.179993 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000666000007 |
| ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_Igc | 1 |
| ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 75.5 |
| ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 86.5 |
| ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 4.0999999 |
| ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 52.2999992 |
| ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 29076 |
| ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 43868 |
| ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 2760420809 |
| ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 4004004656 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -627.179993 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000330100011 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -627.179993 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000796000008 |
| ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 98.8000031 |
| ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 76.5 |
| ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 2.79999995 |
| ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 32.5 |
| ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 12258 |
| ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 36416 |
| ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 2760420809 |
| ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 4004004656 |
| ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -627.179993 |
| ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 2.82000001e-005 |
| ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -627.179993 |
| ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000666000007 |
| ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| ehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| ehDyn ForceCenterEnabled Cnt M Igc | 1 |
| ehDyn_ForceCenterOffset_HwDeg_M_f32 | -800.859985 |
| ehDyn_HiSpdLearnt_Cnt_M_lgc | 1 |
|) | 0 |



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| Name | Input Value | | |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | | |
| VehDyn_MaxOffset_HwDeg_M_f32 | 409.093994 | | |
| VehDyn_MinOffset_HwDeg_M_f32 | -1385.68201 | | |
| VehDyn_PinTrqSV_M_str.SV_UIs_f32 VehDyn_PinTrqSV_M_str.K_UIs_f32 | -7 0.000258999993 | | |
| VehDyn SLPHwAuth Uls M f32 | 0.866999984 | | |
| VehDyn SLPHwPos HwDeg M f32 | -1507.06995 | | |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 89763 | | |
| k_HiSpdVDAuthority_Uls_f32 | 0.278719991 | | |
| k_HwTqMgnThd_HwNm_f32 | 1.10000002 | | |
| k_LoSpdVDAuthority_UIs_f32 | 1 | | |
| k_SrlHwAgVldTiThd_mS_u32 | 702 | | |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 52.2999992 12.7700005 | | |
| k_TravelXCDeadband_Uls_f32 k_TravelXCHwAuthority_Uls_f32 | 0.0252 | | |
| target DtrmnElapsedTime mS u32 ElapsedTime | 1759885568 | | |
| target_GetSystemTime_mS_u32_CurrentTime | 309385728 | | |
| $target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_Elapsed$ | 1662097408 | | |
| $target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime_ms_u32_CurrentTime_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_uspersum_us$ | 89763 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f3: | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRac target_VehDyn_Per1_RelHwPos_HwDeg_f3 | | |
| target_Rte_Inst_Ap_vehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_l | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target VehDyn Per1 SensorlessHwPos Hv | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc | - 9 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_MtrN | lm_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc | target_VehDyn_Per1_VehicleSpeedValid_C | nt_lgc | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph_f3 | 32 | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -1388.06995 | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value | 462.496002 -7.0999999 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | 1100.45801 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | -627.179993 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 0 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | -1507.06995 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | -8.80000019 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 0 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 36.4199982 | 1 | 1 |
| Name | Actual Value | Expected Value | Result |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 | 1 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 2760420809 4004004656 | 2760420809 4004004656 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -627.179993 | -627.179993 ± 0.0009 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -627.179993 | -627.179993 ± 0.0009 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 309385728 | 309385728 | • |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 4004004656 | 4004004656 | • |
| VehDyn_AutoCotrHiSpd_M_str.RelHwPosFilt1SV_HwDog_str.SV_Uls_f32 | -627.179993 | -627.179993 ± 0.0009 | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | -627.179993 0 | -627.179993 ± 0.0009 | |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | |
| VehDyn AutoCntrHiSpd M str.Filter1Initialized Cnt Igc | 1 | 1 | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 2760420809 | 2760420809 | • |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 4004004656 | 4004004656 | • |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -627.179993 | -627.179993 ± 0.0009 | • |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -627.179993 | -627.179993 ± 0.0009 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 | 1 | |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | 1 | • |
| VehDyn_MaxOffset_HwDeg_M_f32 | 462.496002 | 462.496002 | • |
| VehDyn_MinOffset_HwDeg_M_f32 | -1388.06995 | -1388.06995 | • |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | -7.00006962 | -7.00006962 ± 0.000009 | |
| | | | |



| Name | Actual Value | Expected Value | Result |
|------------------------------------------------------|--------------|------------------|----------|
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 89763 | 89763 | ~ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 1 | 1 ± 0.004 | ~ |
| target VehDyn Per1 SensorlessHwPos HwDeg f32.value | 173.679993 | 173.679993 ± 0.1 | ✓ |

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|----------------------------------------------------|-------|----------------------------------------------------|-------|--------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |

| est Step 2.12 (Repeat Count = 1) | Input Value |
|----------------------------------------------------------------------|--------------------------------------------------------------------------|
| | target DtrmnElapsedTime mS u32 ElapsedTime |
| trmnElapsedTime_mS_u32(ElapsedTime) etSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| te Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32(ElapsedTime) | |
| | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| te_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| te_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 |
| ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 66.900015 |
| ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 86.900015 |
| ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 4.900001 |
| ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 52.9000015 |
| ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 29076 |
| ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 43868 |
| ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 2967684784 |
| ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 4211268631 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -177.479996 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000668000022 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -177.479996 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000668000022 |
| ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 98.0999985 |
| ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 96.0999985 |
| ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 6.5 |
| ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 41.0999985 |
| ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 32821 |
| ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 53946 |
| ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 2967684784 |
| ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 4211268631 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -177.479996 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.0003708 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -177.479996 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000798000023 |
| ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| ehDyn AutoCntrLoSpd M str.MtrVel MtrRadpS f32 | 66.099985 |
| ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 86.199969 |
| ehDyn AutoCntrLoSpd M str.FiltPinTrg HwNm f32 | 4.099999 |
| ehDyn AutoCntrLoSpd M str.CntrWindow HwDeg f32 | 52.2000008 |
| ehDyn AutoCntrLoSpd M str.Timer1Thresh mS u16 | 29076 |
| ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 43868 |
| ehDyn AutoCntrLoSpd M str.Timer1 mS u32 | 2967684784 |
| ehDyn AutoCntrLoSpd M str.Timer2 mS u32 | 4211268631 |
| ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV HwDeg_str.SV Uls_f32 | -177.479996 |
| ehDyn_AutoCntrLoSpd_M_str.ReinwFosFilt1SV_nwbeg_str.Sv_0is_i32 | 2.8599995e-005 |
| ehDyn_AutoChtrLoSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.N_ois_i32 | -177.479996 |
| · - · · | 0.000668000022 |
| ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | |
| ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| ehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_Igc | 1 |
| ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| ehDyn ForceCenterEnabled Cnt M Igc | 1 |



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| Name | Input Value | | |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 | | |
| VehDyn_Initialize_Cnt_M_lgc | 1 | | |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 | | |
| VehDyn_MaxOffset_HwDeg_M_f32 | 414.085999 | | |
| VehDyn_MinOffset_HwDeg_M_f32 | -1378.99805 | | |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 6.3000019 | | |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000260000001 | | |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.851999998 | | |
| VehDyn_SLPHwPos_HwDeg_M_f32 | -1496.81006 2075080192 | | |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 k HiSpdVDAuthority Uls f32 | 0.277799994 | | |
| k_HwTqMgnThd_HwNm_f32 | 2.099999 | | |
| k_LoSpdVDAuthority_Uls_f32 | 0 | | |
| k_SrlHwAgVldTiThd_mS_u32 | 703 | | |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 41.5 | | |
| k_TravelXCDeadband_Uls_f32 | 14.21 | | |
| k_TravelXCHwAuthority_Uls_f32 | 0.0264250003 | | |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 1662097408 | | |
| target_GetSystemTime_mS_u32_CurrentTime | 4164171008 | | |
| $target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedT$ | 2127166208 | | |
| $target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime$ | 2075080192 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f32 | 2 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRad | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f3 | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_U | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_Hw | vDeg_f32 | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAgVld_Cnt_lgc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_MtrN | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc | target_VehDyn_Per1_VehicleSpeedValid_Cr | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | target_VehDyn_Per1_VehicleSpeed_Kph_f3 -1381.81006 | 2 | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 473.403015 | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | 8.85000038 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | -759.549988 | | |
| target VehDyn Per1 RelHwPos HwDeg f32.value | -177.479996 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 1 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | -1496.81006 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | 8.80000019 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 1 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 38.8800011 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 | 1 | - |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 2967684784 | 2967684784 | • |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 4211268631 | 4211268631 | • |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -177.479996 | -177.479996 ± 0.0009 | • |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -177.479996 | -177.479996 ± 0.0009 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 4164171008 | 4164171008 | • |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 4211268631 | 4211268631 | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -177.479996 | -177.479996 ± 0.0009 | • |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -177.479996 | -177.479996 ± 0.0009 | _ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_Igc | 1 | 1 | |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_Igc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 4164171008 | 4164171008 | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 4211268631 | 4211268631 | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -177.479996 | -177.479996 ± 0.0009 | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -177.479996 | -177.479996 ± 0.0009 | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 | 0 | - |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | • |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 | 0 | • |
| VehDyn_MaxOffset_HwDeg_M_f32 | 414.085999 | 414.085999 | - |
| | : | | - |



| Name | Actual Value | Expected Value | Result |
|------------------------------------------------------|--------------|-----------------------|----------|
| VehDyn_MinOffset_HwDeg_M_f32 | -1204.33008 | -1204.32996 | ✓ |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 6.30071831 | 6.30071831 ± 0.000009 | ~ |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 2075080192 | 2075080192 | ✓ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 1 | 1 ± 0.004 | ✓ |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | 523.470032 | 523.469971 ± 0.1 | ✓ |

| T | | | | ✓ |
|----------------------------------------------------|-------|----------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | - |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | - |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |

| ame | Input Value |
|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------|
| trmnElapsedTime mS u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| etSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| te_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedTime |
| te Call Ap VehDyn SystemTime GetSystemTime mS u32(CurrentTime) | target Rte Call Ap VehDyn SystemTime GetSystemTime mS u32 CurrentTime |
| te_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| ehDyn AllowHiSpdAutoCntr Cnt M Igc | 1 |
| ehDyn AutoCntrDetSpd M str.MtrVel MtrRadpS f32 | 34.7999992 |
| ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 96.8000031 |
| hDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 6.80000019 |
| ehDyn AutoCntrDetSpd M str.CntrWindow HwDeg f32 | 41.7999992 |
| ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 32821 |
| hDyn AutoCntrDetSpd M str.Timer2Thresh mS u16 | 53946 |
| | 3174948758 |
| ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 1024 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 731.700012 |
| ehDyn AutoCntrDetSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.Sv_ois_i32 | 0.00066999979 |
| ehDyn_AutoCntrDetSpd_M_str.ReiHwPosFilt13V_HwDeg_str.R_Uis_i32 | 731.700012 |
| | 0.00066999979 |
| hDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000009999979 |
| ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| hDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 665 |
| ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | |
| ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 106.5 |
| hDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 14.1000004 |
| ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 63.4000015 |
| ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 40437 |
| ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 13059 |
| ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 3174948758 |
| ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 1024 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 731.700012 |
| hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.00041149999 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 731.700012 |
| hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.00079999998 |
| hDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| hDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| hDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| hDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 34.2000008 |
| hDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 96.099985 |
| hDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 6.19999981 |
| hDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 41.099985 |
| hDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 32821 |
| hDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 53946 |
| ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 3174948758 |
| ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 1024 |
| ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 731.700012 |
| ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 2.90000007e-005 |
| ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 731.700012 |
| ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000669999979 |
| ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 |



| | | , | - 10-10 |
|---------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|---------------------|----------|
| Name | Input Value | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | | |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 1 | | |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | -601.039978 1 | | |
| VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc | 1 | | |
| VehDyn_Initialize_Ont_M_igc | 1 | | |
| VehDyn_MaxOffset_HwDeg_M_f32 | 419.078003 | | |
| VehDyn_MinOffset_HwDeg_M_f32 | -1372.31396 | | |
| VehDyn_PinTrqSV_M_str.SV_UIs_f32 | 15.1999998 | | |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000261000008 | | |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.837000012 | | |
| VehDyn_SLPHwPos_HwDeg_M_f32 | -1486.55005 | | |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 954802432 0.272780001 | | |
| k_HiSpdVDAuthority_UIs_f32 k_HwTqMgnThd_HwNm_f32 | 3.099999 | | |
| k_LoSpdVDAuthority_Uls_f32 | 1 | | |
| k_SrlHwAgVldTiThd_mS_u32 | 9000 | | |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 63.0999985 | | |
| k_TravelXCDeadband_Uls_f32 | 15.6499996 | | |
| k_TravelXCHwAuthority_Uls_f32 | 0.0276500005 | | |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 2127166208 | | |
| target_GetSystemTime_mS_u32_CurrentTime | 437658624 | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed' | | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTim- target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f3: | 2 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRac | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f3 | 2 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_U | Jls_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_Hv | vDeg_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc | target_VehDyn_Per1_TorqueCmdCRF_MtrN target_VehDyn_Per1_VehicleSpeedValid_C | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph_f3 | | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -1375.55005 | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 484.309998 | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | -9.10000038 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | 154.199997 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | 731.700012 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 1 1496 55005 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | -1486.55005 0 | | |
| target VehDyn Per1 VehicleSpeedValid Cnt Igc.value | 0 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 45.7900009 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 | 1 | - |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 3174948758 | 3174948758 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 1024 | 1024 | • |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 731.700012 | 731.700012 ± 0.0009 | • |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 731.700012 | 731.700012 ± 0.0009 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 437658624 | 437658624 | |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 1024 | 1024 | - |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 731.700012 | 731.700012 ± 0.0009 | - |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 731.700012 | 731.700012 ± 0.0009 | - |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 3174948758 1024 | 3174948758 1024 | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 731.700012 | 731.700012 ± 0.0009 | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 731.700012 | 731.700012 ± 0.0009 | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | - |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | - |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ✓ |
| voiley tate entresspe_in_eari interemination_entresse | <u> </u> | | |



| Name | Actual Value | Expected Value | Result |
|------------------------------------------------------|--------------|----------------------|----------|
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 | 1 | ✓ |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | ✓ |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | 1 | ✓ |
| VehDyn_MaxOffset_HwDeg_M_f32 | -247.390015 | -247.389999 | ✓ |
| VehDyn_MinOffset_HwDeg_M_f32 | -1372.31396 | -1372.31396 | ✓ |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 15.1936579 | 15.1936579 ± 0.00009 | ✓ |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 954802432 | 954802432 | ✓ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 1 | 1 ± 0.004 | ✓ |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | 1332.73999 | 1332.73999 ± 0.1 | ✓ |

| T | | | | ✓ |
|----------------------------------------------------|-------|----------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |

| ame | Input Value |
|------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|
| trmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| etSystemTime mS u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| te_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| te_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target Rte Call Ap VehDyn SystemTime GetSystemTime mS u32 CurrentTime |
| te_Inst_Ap_VehDyn | target Rte Inst Ap VehDyn |
| ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 |
| hDyn AutoCntrDetSpd M str.MtrVel MtrRadpS f32 | 2.099999 |
| ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 106.09998 |
| ehDyn_AutoCntrDetSpd_wi_str.FiltPinTrq_HwNm_f32 | 14.100004 |
| · - · · | 63.099985 |
| ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 ehDyn AutoCntrDetSpd M str.Timer1Thresh mS u16 | 40437 |
| · - · | 13059 |
| ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 3382212733 |
| ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | |
| ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 54822322 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -968.400024 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000671999995 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -968.400024 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000671999995 |
| ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 34.099985 |
| ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 116.099998 |
| ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 18 |
| ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 88.4000015 |
| ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 2291 |
| ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 58929 |
| ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 3382212733 |
| ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 54822322 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -968.400024 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000452200009 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -968.400024 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000801999995 |
| ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 2.0999999 |
| ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 106.199997 |
| ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 14.1000004 |
| ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 63.2000008 |
| ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 40437 |
| ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 13059 |
| ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 3382212733 |
| ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 54822322 |
| ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -968.400024 |
| ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 2.94000001e-005 |
| ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -968.400024 |
| ehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32 | 0.000671999995 |



| WORDY_MACHINESPY_M_ETREPERSON_COUNCY WORDY_MACHINESPY | Name | Input Value | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|--------------|----------------------|----------|
| Vanity By Authoria Radial M. de Principation Entire District Annie March Marc | VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 | | |
| VebDy AutoContacked It is the Period Residency Or It go 0 | VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 | | |
| VADOR TORSCHIEDURED (10 M) gp | VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | | |
| VARIDADE PROCESSED 10 VARIDADE 10 VA | VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | | |
| Verbys_Nebbas (CMLM) ps Verbys_Nebbas (CMLM) ps Verbys_Nebbas (CMLM) ps Verbys_Nebbas (MLM) ps Ver | VehDyn_ForceCenterEnabled_Cnt_M_lgc | 0 | | |
| Victory, Marches, Montey, M. 1722 | VehDyn_ForceCenterOffset_HwDeg_M_f32 | -501.130005 | | |
| Verbyn, Pacified Reg May 129 | VehDyn_HiSpdLearnt_Cnt_M_lgc | | | |
| Verbigs, Nachffeet, Jusking, MJ, D2 Verbigs, Parting M, Str. SV, US, D2 Verbigs, Parting M, US, M, US, D3 OBJOROSCOPY Verbigs, Parting M, US, D3 Verbigs, Parting M, US, | VehDyn_Initialize_Cnt_M_lgc | | | |
| Velopy Bridge, M. 1982 Vill. 192 Velopy Bridge, M. 1987 Vill. 192 | | | | |
| Veb/py_Part(%)_Veb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py_Ceb/py | | | | |
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| March Marc | | | | |
| K.Jose/Okadamin, Uji. 52 | · | | | |
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| K_SYMCK-Pails, Mithograph-Ope, 12 | | | | |
| TranspetCheeuband Uis 182 | | | | |
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| Imaged_Demo-ElapsectTime_ms_Su2_ElapsectTime 243378888 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437312 34437 | | | | |
| Segrit New Prince Fig. 122, Current Time Company | | | | |
| Larger, Ref. Call, An, VehDyn, SystemTime, Dismolisipaed Time, 30s, 20c Elizaber 11 1056062896 | | | | |
| targer, Rein, Ed., Ay, WehDyn, SystemTrine, GistSystemTrine, Bistger, Rein, Ind. Ay, WehDyn, Perf. DC. CAECT, HANDer, 122 targer, Rein, Ind., Ay, WehDyn, VehDyn, Perf. LockECT, HANDer, 122 targer, Rein, Ind., Ay, WehDyn, VehDyn, Perf. LockECT, HANDer, 122 targer, Rein, Ind., Ay, WehDyn, VehDyn, Perf. LockECT, HANDer, 122 targer, Rein, Ind., Ay, VehDyn, VehDyn, Perf. LockECT, MRARDS, 122 targer, Rein, Ind., Ay, VehDyn, VehDyn, Perf. SystemSes, Marcher, 132 targer, Rein, Ind., Ay, VehDyn, VehDyn, Perf. SystemSes, Marcher, 132 targer, Rein, Ind., Ay, VehDyn, VehDyn, Perf. SystemSes, Marcher, 132 targer, Rein, Ind., Ay, VehDyn, VehDyn, Perf. SystemSes, Marcher, 132 targer, Rein, Ind., Ay, VehDyn, VehDyn, Perf. SystemSes, Marcher, 132 targer, Rein, Ind., Ay, VehDyn, VehDyn, Perf. SystemSes, Marcher, 132 targer, Rein, Ind., Ay, VehDyn, VehDyn, Perf. SystemSes, Marcher, 132 targer, Rein, Ind., Ay, VehDyn, VehDyn, Perf. SystemSes, Marcher, 132 targer, Rein, Ind., Ay, VehDyn, VehDyn, Perf. SystemSes, Marcher, 132 targer, Rein, Ind., Ay, VehDyn, VehDyn, Perf. SystemSes, Marcher, 132 targer, Rein, Ind., Ay, VehDyn, VehDyn, Perf. SystemSes, Marcher, 132 targer, Rein, Ind., Ay, VehDyn, VehDyn, Perf. SystemSes, Marcher, 132 targer, Rein, Ind., Ay, VehDyn, VehDyn, Perf. SystemSes, Myn., 132 targer, Leith, Perf. System, 132 targer, Leith, Perf. Sy | | | | |
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| larget_Neln_Inst_Ap_VehDyn_VehDyn_Pert_SirlhwAq_HwDeg_132 target_Neln_Inst_Ap_VehDyn_VehDyn_Pert_TorqueCmdCRF_Mithm[32 target_Neln_Inst_Ap_VehDyn_VehDyn_Pert_TorqueCmdCRF_Mithm[32 target_Neln_Inst_Ap_VehDyn_VehDyn_Pert_VehicleSpeed_Neln_Inst_Ap_VehDyn_VehDyn_Pert_VehicleSpeed_Neln_Inst_Ap_VehDyn_VehDyn_Pert_VehicleSpeed_Neln_Inst_Ap_VehDyn_VehDyn_Pert_VehicleSpeed_Neln_Inst_Ap_VehDyn_VehDyn_Pert_VehicleSpeed_Neln_Inst_Ap_VehDyn_VehDyn_Pert_VehicleSpeed_Neln_Inst_Ap_VehDyn_VehDyn_Pert_VehicleSpeed_Neln_Inst_Neln_Inst_Neln_Inst_Neln_Inst_Neln_Inst_Neln_Inst_Neln_Inst_Neln_Inst_Neln_Inst_Neln_Inst_Neln_Inst_Neln_Inst_Neln_Inst_Neln_Inst_Neln_Inst_Neln_Inst_Neln_Inst_Neln_Inst_Neln_Inst_Neln_Inst_Neln_Inst_Neln_Inst_Neln_Inst_Neln_Inst_Neln_Inst_Neln_Inst_Neln_Inst_Neln_Inst_Neln_Inst_Neln_Inst_Neln_Inst_Neln_Inst_Neln_Inst_Neln_Inst_Neln_Inst_Neln_Inst_Neln_Inst_Neln_Inst_Neln_Inst_Neln_Inst_Neln_Inst_Neln_Inst_Neln_Inst_Neln_Inst_Neln_Inst_Neln_Inst_Neln_Inst_Neln_Inst_Neln_Inst_Neln_Inst_Neln_Inst_Neln_Inst_Neln_Inst_Neln_Inst_Neln_Inst_Neln_Inst_Neln_Inst_Neln_Inst_Neln_Inst_Neln_Inst_Neln_Inst_Neln_Inst_Neln_Inst_Neln_Inst_Neln_Inst_Neln_Inst_Neln_Inst_Neln_Inst_Neln_Inst_Neln_Inst_Neln_Inst_Neln_Inst_Neln_Inst_Neln_Inst_Neln_Inst_Neln_Inst_Neln_Inst_Neln_Inst_Neln_Inst_Neln_Inst_Neln_Inst_Neln_Inst_Neln_Inst_Neln_Inst_Neln_Inst_Neln_Inst_Neln_Inst_Neln_Inst_Neln_Inst_Neln_Inst_Neln_Inst_Neln_Inst_Neln_Inst_Neln_Inst_Neln_Inst_Neln_Inst_Neln_Inst_Neln_Inst_Neln_Inst_Neln_Inst_Neln_Inst_Neln_Inst_Neln_Inst_Neln_Inst_Neln_Inst_Neln_Inst_Neln_Inst_Neln_Inst_Neln_Inst_Neln_Inst_Neln_Inst_Neln_Inst_Neln_Inst_Neln_Inst_Neln_Inst_Neln_Inst_Neln_Inst_Neln_Inst_Neln_Inst_Neln_Inst_Neln_Inst_Neln_Inst_Neln_Inst_Neln_Inst_Neln_Inst_Neln_Inst_Neln_Inst_Neln_Inst_Neln_Inst_Neln_Inst_Neln_Inst_Neln_Inst_Neln_Inst_Neln_Inst_Neln_Inst_Neln_Inst_Neln_Inst_Neln_Inst_Neln_Inst_Neln_Inst_Neln_Inst_Neln_Inst_Neln_Inst_Neln_Inst_Neln_Inst_Neln_Inst_Neln_Inst_Neln_Inst_Neln_Inst_Neln_Inst_Neln_Inst_Neln_Inst_Neln_Inst_Neln_I | | | <u></u> | |
| larget_Rie_Inst_Ap_VehDyn_VehDyn_Pert_VehicleSpeed\/aid_Cnt_lgc larget_VehDyn_Pert_VehicleSpeed\/aid_Cnt_lgc larg | | | | |
| larget_Re_Inst_Ap_VehDyn-VehDyn-Per1_VehicleSpeed_Kph_132 | | | | |
| target_VehDyn_Pert_CewEOT_HwDeg_132_value | | | | |
| Isrget_VenDyn_Pert_CwEOT_HwDeg_182 value | | | | |
| target_VehDyn_Per1_Mtrorque_HwNm_ri32.value 5.5 | | | | |
| target_VehDyn_Per1_Motor_VelCRF_MtrRadpS_f32.value | target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 495.21701 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | target_VehDyn_Per1_HwTorque_HwNm_f32.value | 5.5 | | |
| target_VehDyn_Per1_SriHwAgVid_Cnt_lgc.value | target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | -759.299988 | | |
| target_VehDyn_Per1_SrithwAg_HwDeg_r32.value | target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | -968.400024 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 0 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32_value 456.140015 Name Actual Value Expected Value Result VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc 1 1 1 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 3382212733 3382212733 382212733 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 54822322 54822322 54822322 VehDyn_AutoCntrDetSpd_M_str.RetHwPosFittSV_HwDeg_str.SV_UIs_f32 -968.400024 -968.400024 ± 0.0009 968.400024 ± 0.0009 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc 1 1 1 1 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc 1 1 1 1 VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc 0 0 0 968.400024 968.400024 ± 0.0009 9 VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc 1 1 1 1 1 1 1 1 1 1 1 1 1 1 2 2 349.1357312 3941357312 3941357312 3941357312 3941357312 3941357312 3941357312 3941357312 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | -1476.29004 | | |
| Actual Value | target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | 4.4000001 | | |
| Name | target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 1 | | |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc 1 1 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 3382212733 3382212733 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 54822322 54822322 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt18V_HwDeg_str.SV_UIs_f32 968.400024 -968.400024 ± 0.0009 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 -968.400024 -968.400024 ± 0.0009 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc 1 1 VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 968.400024 -968.400024 ± 0.0009 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str | target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 456.140015 | | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 3382212733 3382212733 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 54822322 54822322 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 -968.400024 -968.400024 ± 0.0009 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 -968.400024 -968.400024 ± 0.0009 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc 1 1 VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 3941357312 3941357312 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 54822322 54822322 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 -968.400024 -968.400024 ± 0.0009 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc <td>Name</td> <td>Actual Value</td> <td>Expected Value</td> <td>Result</td> | Name | Actual Value | Expected Value | Result |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 54822322 54822322 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit1SV_HwDeg_str.SV_UIs_f32 -968.400024 -968.400024 ± 0.0009 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit12SV_HwDeg_str.SV_UIs_f32 -968.400024 -968.400024 ± 0.0009 VehDyn_AutoCntrDetSpd_M_str.Fiiter1Enable_Cnt_lgc 1 1 VehDyn_AutoCntrDetSpd_M_str.Fiiter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Fiiter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 3941357312 3941357312 VehDyn_AutoCntrHiSpd_M_str.RileHwPosFiit1SV_HwDeg_str.SV_UIs_f32 -968.400024 -968.400024 ± 0.0009 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit1SV_HwDeg_str.SV_UIs_f32 -968.400024 -968.400024 ± 0.0009 VehDyn_AutoCntrHiSpd_M_str.Riler2Enable_Cnt_lgc 0 0 0 VehDyn_AutoCntrHiSpd_M_str.Riler2Enable_Cnt_lgc 0 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 0 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc 0 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc 0 0 0 | VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 | 1 | - |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 -968.400024 -968.400024 ± 0.0009 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 -968.400024 -968.400024 ± 0.0009 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc 1 1 VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 3941357312 3941357312 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 -968.400024 -968.400024 ± 0.0009 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 -968.400024 -968.400024 ± 0.0009 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_cnt_lgc 1 1 | VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 3382212733 | 3382212733 | • |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 -968.400024 -968.400024 ± 0.0009 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc 1 1 VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 3941357312 3941357312 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 54822322 54822322 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt3SV_HwDeg_str.SV_Uls_f32 -968.400024 -968.400024 ± 0.0009 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 3941357312 3941357312 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 54822322 54822322 54822322 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 54822322 54820024 -968.400024 ± 0 | VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 54822322 | 54822322 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc 1 1 VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 3941357312 3941357312 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 54822322 54822322 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiltSV_HwDeg_str.SV_UIs_f32 -968.400024 -968.400024 ± 0.0009 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 3941357312 3941357312 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 54822322 54822322 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 -968.400024 -968.400024 ± 0.0009 VehDyn_AutoCntrLoSpd_M_str.Rel | 7 - 7 - 7 - 7 - 7 | -968.400024 | -968.400024 ± 0.0009 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc 1 1 VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 3941357312 3941357312 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 54822322 54822322 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFitl1SV_HwDeg_str.SV_Uls_f32 -968.400024 -968.400024 ± 0.0009 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 0 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 1 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 3941357312 3941357312 3941357312 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_cnt_lgc 54822322 54822322 54822322 VehDyn_AutoCntrL | VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -968.400024 | -968.400024 ± 0.0009 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 3941357312 3941357312 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 54822322 54822322 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 -968.400024 -968.400024 ± 0.0009 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 3941357312 3941357312 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 54822322 54822322 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 -968.400024 -968.400024 ± 0.0009 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 -968.400024 -968.400024 ± 0.0009 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 0 0 | VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 3941357312 3941357312 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 54822322 54822322 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFittSV_HwDeg_str.SV_UIs_f32 -968.400024 -968.400024 ± 0.0009 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 3941357312 3941357312 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 54822322 54822322 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 -968.400024 -968.400024 ± 0.0009 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 -968.400024 -968.400024 ± 0.0009 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 0 0 0 | VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | | | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 3941357312 3941357312 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 54822322 54822322 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFitt1SV_HwDeg_str.SV_UIs_f32 -968.400024 -968.400024 ± 0.0009 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFitt2SV_HwDeg_str.SV_UIs_f32 -968.400024 -968.400024 ± 0.0009 VehDyn_AutoCntrHiSpd_M_str.Fitter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Fitter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Fitter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Fitter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 3941357312 3941357312 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 54822322 54822322 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFittSV_HwDeg_str.SV_UIs_f32 -968.400024 -968.400024 ± 0.0009 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFittSV_HwDeg_str.SV_UIs_f32 -968.400024 -968.400024 ± 0.0009 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 0 0 | VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 0 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 54822322 54822322 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 -968.400024 -968.400024 ± 0.0009 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 -968.400024 -968.400024 ± 0.0009 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 3941357312 3941357312 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 54822322 54822322 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 -968.400024 -968.400024 ± 0.0009 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 -968.400024 -968.400024 ± 0.0009 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 0 0 | VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFitt1SV_HwDeg_str.SV_Uls_f32 -968.400024 -968.400024 ± 0.0009 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFitt2SV_HwDeg_str.SV_Uls_f32 -968.400024 -968.400024 ± 0.0009 VehDyn_AutoCntrHiSpd_M_str.Fitter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Fitter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Fitter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Fitter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 3941357312 3941357312 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 54822322 54822322 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFittSV_HwDeg_str.SV_Uls_f32 -968.400024 -968.400024 ± 0.0009 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFittSV_HwDeg_str.SV_Uls_f32 -968.400024 -968.400024 ± 0.0009 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 0 0 | | | | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFitt2SV_HwDeg_str.SV_UIs_f32 -968.400024 -968.400024 ± 0.0009 VehDyn_AutoCntrHiSpd_M_str.Fitter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Fitter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Fitter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Fitter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 3941357312 3941357312 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 54822322 54822322 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 -968.400024 -968.400024 ± 0.0009 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 -968.400024 -968.400024 ± 0.0009 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 0 0 | | | 54822322 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 0 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc 0 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 4 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 3941357312 3941357312 3941357312 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 54822322 54822322 54822322 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 -968.400024 -968.400024 ± 0.0009 968.400024 ± 0.0009 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 0 0 968.400024 ± 0.0009 968.400024 ± 0.0009 | , _ , | | | |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 3941357312 3941357312 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 54822322 54822322 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 -968.400024 -968.400024 ± 0.0009 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 -968.400024 -968.400024 ± 0.0009 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 0 0 | | | | |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 3941357312 3941357312 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 54822322 54822322 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 -968.400024 -968.400024 ± 0.0009 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 -968.400024 -968.400024 ± 0.0009 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 0 0 | | | | |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 3941357312 3941357312 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 54822322 54822322 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 -968.400024 -968.400024 ± 0.0009 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 -968.400024 -968.400024 ± 0.0009 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 0 0 | | | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 3941357312 3941357312 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 54822322 54822322 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 -968.400024 -968.400024 ± 0.0009 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 -968.400024 -968.400024 ± 0.0009 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 0 0 | | | | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 54822322 54822322 VehDyn_AutoCntrLoSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.SV_UIs_f32 -968.400024 -968.400024 ± 0.0009 VehDyn_AutoCntrLoSpd_M_str.ReiHwPosFilt2SV_HwDeg_str.SV_UIs_f32 -968.400024 -968.400024 ± 0.0009 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 0 0 | | | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 -968.400024 -968.400024 ± 0.0009 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 -968.400024 -968.400024 ± 0.0009 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 0 0 | | | | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 | | | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 0 0 ✓ | , _ , | | | |
| , - , - , - , - , - , - , - , - , - , - | | | | |
| venuyn_Autountrlospd_M_str.FilterzEnable_Unt_igc 1 1 | | | | |
| | venDyn_AutoUntrLoSpa_M_str.FilterzEnable_Unt_lgc | 1 | 1 | |



| Name | Actual Value | Expected Value | Result |
|-------------------------------------------------------|--------------|----------------------|--------|
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 | 0 | ✓ |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | ✓ |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 | 0 | ✓ |
| VehDyn_MaxOffset_HwDeg_M_f32 | 495.21701 | 495.21701 | ✓ |
| VehDyn_MinOffset_HwDeg_M_f32 | -1369.29004 | -1369.29004 | ✓ |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 13.9977865 | 13.9977865 ± 0.00009 | ✓ |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 2728878080 | 2728878080 | ✓ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 0.822000027 | 0.822000027 ± 0.004 | ✓ |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | -1600 | -1600 ± 0.1 | ✓ |

| τ - | | | | |
|----------------------------------------------------|-------|----------------------------------------------------|-------|--------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | • |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |

| lame | Input Value |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|
| htrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| SetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| tte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| tte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| tte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 |
| ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 120.699997 |
| ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 116.699997 |
| ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 18.7000008 |
| ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 88.6999969 |
| ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 2291 |
| ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 58929 |
| ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 3589476707 |
| ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 109643620 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 49.4199982 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.00067400001 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 49.4199982 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.00067400001 |
| ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 2.5 |
| ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 126.099998 |
| ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 16.5 |
| ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 75.5 |
| ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 38868 |
| ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 57944 |
| ehDyn AutoCntrHiSpd M str.Timer1 mS u32 | 3589476707 |
| ehDyn AutoCntrHiSpd M str.Timer2 mS u32 | 109643620 |
| 'ehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32 | 49.4199982 |
| /ehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32 | 0.000492900028 |
| /ehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32 | 49.4199982 |
| 'ehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32 | 0.00080400001 |
| ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| /ehDyn AutoCntrHiSpd M str.Filter2Enable Cnt lgc | 1 |
| /ehDyn AutoCntrHiSpd M str.Filter1Initialized Cnt Igc | 1 |
| /ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| ehDyn AutoCntrLoSpd M str.MtrVel MtrRadpS f32 | 120.300003 |
| ehDyn AutoCntrLoSpd M str.VehSpd kph f32 | 116.5 |
| ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 18.2999992 |
| ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 88.5 |
| ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 2291 |
| ehDyn_AutoCntrLoSpd_M_str.TimerThresh_mS_u16 | 58929 |
| ehDyn AutoCntrLoSpd M str.Timer1 mS u32 | 3589476707 |
| ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 109643620 |



| | | | |
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| Name | Input Value | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 49.4199982 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 2.97999995e-005 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 49.4199982 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.00067400001 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | | |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 1 | | |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | -401.220001 | | |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 | | |
| VehDyn_Initialize_Cnt_M_lgc | 0 | | |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | | |
| VehDyn_MaxOffset_HwDeg_M_f32 | 429.062012 | | |
| VehDyn_MinOffset_HwDeg_M_f32 | -1358.94604 | | |
| VehDyn_PinTrqSV_M_str.SV_UIs_f32 | 8.89999962 0.000262999994 | | |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 VehDyn_SLPHwAuth_Uls_M_f32 | 0.806999981 | | |
| VehDyn_SLPHwPos_HwDeg_M_f32 | -1466.03003 | | |
| VehDyn SrlHwAgVldTimer mS M u32 | 824746752 | | |
| k HiSpdVDAuthority Uls f32 | 1 | | |
| k HwTqMgnThd HwNm f32 | 5.0999999 | | |
| k_LoSpdVDAuthority_Uls_f32 | 1 | | |
| k SrlHwAgVIdTiThd mS u32 | 20045 | | |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 75.5 | | |
| k_TravelXCDeadband_Uls_f32 | 18.5300007 | | |
| k_TraveIXCHwAuthority_UIs_f32 | 0.0300999992 | | |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 1050692864 | | |
| target_GetSystemTime_mS_u32_CurrentTime | 3304439296 | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTi | | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 |) | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 | • | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f3 | 2 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRad | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f3 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_ | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_Hv | | |
| target Rte Inst Ap VehDyn.VehDyn Per1 SrlHwAgVld Cnt Igc | target VehDyn Per1 SrlHwAgVld Cnt Igc | 5092 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_Mtrl | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc | target_VehDyn_Per1_VehicleSpeedValid_C | | |
| target Rte Inst Ap VehDyn.VehDyn Per1 VehicleSpeed Kph f32 | target_VehDyn_Per1_VehicleSpeed_Kph_f3 | | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -1363.03003 | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 506.123993 | | |
| target VehDyn Per1 HwTorque HwNm f32.value | -8.80000019 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | -897.599976 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | 49.4199982 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 0 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | -1466.03003 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | -3.20000005 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 0 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 45.8699989 | | |
| Name | Actual Value | Expected Value | Resu |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 | 1 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 3589476707 | 3589476707 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 109643620 | 109643620 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 49.4199982 | 49.4199982 ± 0.00009 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 49.4199982 | 49.4199982 ± 0.00009 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 3304439296 | 3304439296 | |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 109643620 | 109643620 | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 49.4199982 | 49.4199982 ± 0.00009 | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 49.4199982 | 49.4199982 ± 0.00009 | |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 3589476707 | 3589476707 | • |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 109643620 | 109643620 | • |
| | | | |



| Name | Actual Value | Expected Value | Result |
|-----------------------------------------------------------------|--------------|-----------------------|----------|
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 49.4199982 | 49.4199982 ± 0.00009 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 49.4199982 | 49.4199982 ± 0.00009 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 | 1 | • |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | 1 | ✓ |
| VehDyn_MaxOffset_HwDeg_M_f32 | 506.123993 | 506.123993 | ~ |
| VehDyn_MinOffset_HwDeg_M_f32 | -1363.03003 | -1363.03003 | ~ |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 8.89533329 | 8.89533329 ± 0.000009 | ~ |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 824746752 | 824746752 | • |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 1 | 1 ± 0.004 | ~ |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | 450.640015 | 450.640015 ± 0.1 | • |

| T | | | | ✓ |
|----------------------------------------------------|-------|----------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | ✓ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ✓ |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | • |

| Test Step 2.16 (Repeat Count = 1) | ✓ |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|
| Name | Input Value |
| DtrmnElapsedTime mS u32(ElapsedTime) | target DtrmnElapsedTime mS u32 ElapsedTime |
| GetSystemTime mS u32(CurrentTime) | target GetSystemTime mS u32 CurrentTime |
| Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32(ElapsedTime) | target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedTime |
| Rte Call Ap VehDyn SystemTime GetSystemTime mS u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| Rte Inst Ap VehDyn | target Rte Inst Ap VehDyn |
| VehDyn AllowHiSpdAutoCntr Cnt M Igc | 1 |
| VehDyn AutoCntrDetSpd M str.MtrVel MtrRadpS f32 | 56.0999985 |
| VehDyn AutoCntrDetSpd M str.VehSpd kph f32 | 64.0999985 |
| VehDyn AutoCntrDetSpd M str.FiltPinTrg HwNm f32 | 4.0999999 |
| VehDyn AutoCntrDetSpd M str.CntrWindow HwDeg f32 | 45.0999985 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 29076 |
| VehDyn AutoCntrDetSpd M str.Timer2Thresh mS u16 | 43868 |
| VehDyn AutoCntrDetSpd M str.Timer1 mS u32 | 2553156835 |
| VehDyn AutoCntrDetSpd M str.Timer2 mS u32 | 2553156835 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1415.88 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000730000029 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1415.88 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000730000029 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn AutoCntrDetSpd M str.Filter2Enable Cnt lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| VehDyn AutoCntrDetSpd M str.Filter2Initialized Cnt lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 456 |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 255 |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 8.19999981 |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 52.2000008 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 21335 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 34188 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 2553156835 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 2553156835 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1415.88 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000530000019 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1415.88 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000859999971 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 56.7000008 |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 64.099985 |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 4.6999981 |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 45.0999985 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 29076 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 43868 |



| | | (| 0 |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|--------------------------------------|-------------|
| Name | Input Value | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 2553156835 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 2553156835 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1415.88 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 4.0999993e-005 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | -1415.88 0.000730000029 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | | |
| VehDyn_ForceCenterEnabled_Cnt_M_Igc | 0 | | |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | -800.859985 | | |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 | | |
| VehDyn_Initialize_Cnt_M_lgc | 0 | | |
| VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset HwDeg_M_f32 | 0 568.838013 | | |
| VehDyn_MinOffset_HwDeg_M_f32 | -1171.79395 | | |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | -14.8000002 | | |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000361999992 | | |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.386999995 | | |
| VehDyn_SLPHwPos_HwDeg_M_f32 | -1178.75 | | |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 123 | | |
| k_HiSpdVDAuthority_Uls_f32 | 0.999000013 | | |
| k_HwTqMgnThd_HwNm_f32 | 1 | | |
| k_LoSpdVDAuthority_Uls_f32 k_SrlHwAgVldTiThd_mS_u32 | 70 | | |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 88.0999985 | | |
| k_TravelXCDeadband_Uls_f32 | 58.8499985 | | |
| k_TraveIXCHwAuthority_UIs_f32 | 0.0644000024 | | |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 2478427648 | | |
| target_GetSystemTime_mS_u32_CurrentTime | 3941357312 | | |
| $target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapseTime_mS_u332_ElapseTime_mS_u332_ElapseTime_mS_u332_ElapseTim$ | 309385728 | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_HwTorque_HwNm_f32 target_VehDyn_Per1_MotorVelCRF_MtrRad | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f3 | | |
| target Rte Inst Ap VehDyn.VehDyn Per1 SensorlessAuthority Uls f32 | target_VehDyn_Per1_SensorlessAuthority_L | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_Hw | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_MtrN | _ | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc | target_VehDyn_Per1_VehicleSpeedValid_Cr | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeq_f32.value | target_VehDyn_Per1_VehicleSpeed_Kph_f3 | 2 | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | -1187.75 811.52002 | | |
| target VehDyn Per1 HwTorque HwNm f32.value | 7.03000021 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | -75.9000015 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | -1415.88 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 0 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | -1178.75 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | -7.30000019 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 0 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 230.820007 | From a stand Walter | D14 |
| Name VehDyn AllowHiSpdAutoCntr Cnt M Iqc | Actual Value | Expected Value | Result |
| VehDyn AutoCntrDetSpd M str.Timer1 mS u32 | 1 2553156835 | 2553156835 | - |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_m3_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 2553156835 | 2553156835 | J |
| VehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32 | -1415.88 | -1415.88 ± 0.0009 | - |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1415.88 | -1415.88 ± 0.0009 | - |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | - |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 3941357312 | 3941357312 | • |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 2553156835 | 2553156835 | • |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 | -1415.88 -1415.88 | -1415.88 ± 0.009 -1415.88 ± 0.009 | \ \ \ \ \ \ |
| VehDyn_AutoCntrHiSpd_M_str.ReiHwPosFiltzSv_HwDeg_str.Sv_Uis_132 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | -1415.88 ± 0.009 | - |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | - |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ~ |
| | ÷ | | |



| Name | Actual Value | Expected Value | Result |
|-----------------------------------------------------------------|--------------|-----------------------|-------------|
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 3941357312 | 3941357312 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 2553156835 | 2553156835 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1415.88 | -1415.88 ± 0.009 | ∜ \Q |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1415.88 | -1415.88 ± 0.009 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ✓ |
| /ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ✓ |
| /ehDyn_HiSpdLearnt_Cnt_M_lgc | 0 | 0 | ✓ |
| /ehDyn_Initialize_Cnt_M_lgc | 1 | 1 | ~ |
| /ehDyn_LoSpdLearnt_Cnt_M_lgc | 0 | 0 | ✓ |
| /ehDyn_MaxOffset_HwDeg_M_f32 | 811.52002 | 811.52002 | ~ |
| VehDyn_MinOffset_HwDeg_M_f32 | -1187.75 | -1187.75 | ✓ |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | -14.7921276 | -14.7921276 ± 0.00009 | ✓ |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 123 | 123 | ✓ |
| arget_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 0.386999995 | 0.386999995 ± 0.004 | ✓ |
| arget_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | -1600 | -1600 ± 0.1 | ✓ |

| Τ | | | | ✓ |
|----------------------------------------------------|-------|----------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | • |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | • |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | • |

| Test Step 2.17 (Repeat Count = 1) | |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|
| Name | Input Value |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| GetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 86.3000031 |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 52.1 |



| Verbing AusConticosity M. 1 | Name | Input Value | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|-----------------|----------------|-------|
| Verbiling Authoriticating M. age (Previolation Mode) 10 | | • | | |
| Verby-Autocrate Sole M. 19 Threst Three in Ris 180 Verby-Autocrate Sole M. 19 Threst Three in Ris 180 Verby-Autocrate Sole M. 19 Threst Prick JUS 2 Verby-Prick JUS 2 Verby- | | | | |
| VenDyn_AssCortics.6gs M. pt Tent 19, 0.02 | , - , | | | |
| Visiting Number Content Visit Vi | | | | |
| Verbilly, Austonians (Sept.) M. at Reinherford (1952) + 1009 (1952) Verbilly, Austonians (1954) M. at Reinherford (1952) + 1009 (1952) Verbilly, Austonians (1954) M. at Reinherford (1952) + 1009 (1952) Verbilly, Austonians (1954) M. at Reinherford (1952) + 1009 (1952) Verbilly, Austonians (1954) M. at Reinherford (1952) + 1009 (1952) Verbilly, Austonians (1954) M. at Reinherford (1952) + 1009 (1952) Verbilly, Austonians (1954) M. at Reinherford (1952) + 1009 (1952) Verbilly, Austonians (1954) M. at Reinherford (1952) + 1009 (1952) Verbilly, Austonians (1954) M. at Reinherford (1952) + 1009 (1952) Verbilly, Austonians (1954) M. at Reinherford (1952) + 1009 (1952) Verbilly, Austonians (1954) M. at Reinherford (1952) + 1009 (1952) Verbilly, Austonians (1954) M. at Reinherford (1952) + 1009 (1952) Verbilly, Austonians (1954) M. at Reinherford (1952) + 1009 (1952) Verbilly, Austonians (1954) M. at Reinherford (1952) + 1009 (1952) Verbilly, Austonians (1954) M. at Reinherford (1952) + 1009 (1952) Verbilly, Austonians (1952) M. at Reinherford (1952) + 1009 (1952) + 1009 (1952) + 1009 (1952) + 1009 (1952) + 1009 (1952) + 1009 (1952) + 1009 (1952) + 1009 (1952) + 1009 (1952) + 1009 (1952) + 1009 (1952) + 1009 (1952) + 1009 (1952) + 1009 (1952) + 1009 (1952) + 1009 (1952) + 1009 (1952) + 1009 (1952) + 1009 (1952) + 1009 (1952) + 1009 (1952) + 1009 (1952) + 1009 (1952) + 1009 (1952) + 1009 (1952) + 1009 (1952) + 1009 (1952) + 1009 (1952) + 1009 (1952) + 1009 (1952) + 1009 (1952) + 1009 (1952) + 1009 (1952) + 1009 (1952) + 1009 (1952) + 1009 (1952) + 1009 (1952) + 1009 (1952) + 1009 (1952) + 1009 (1952) + 1009 (1952) + 1009 (1952) + 1009 (1952) + 1009 (1952) + 1009 (1952) + 1009 (1952) + 1009 (1952) + 1009 (1952) + 1009 (1952) + 1009 (1952) + 1009 (1952) + 1009 (1952) + 1009 (1952) + 1009 (1952) + 1009 (1952) + 1009 (1952) + 1009 (1952) + 1009 (1952) + 1009 (1952) + 1009 (1952) + 1009 (1952) + 1009 (1952) + 1009 (1952) + 1009 (1952) + 1009 (1952) + 1009 (1952) + 1009 (1952) + 1009 (1952) + 1009 (1952) + 1009 (1952) + 1009 | VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 2760420809 | | |
| Velotype, Austonian (Sept Jul., 1974 New Principal Sept Jul., 1972 Velotype, Austonian (Sept Jul., 1974 New Principal | VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 2760420809 | | |
| Vebbps AutoCritics (Vebb Auto | VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1081.09998 | | |
| Verborn, AudoCritication M. et Rienterforerizz V. Haboq, and K. Us. 122 Verborn, AudoCritication M. et Rienterforerizz V. Haboq, and S. Us. 122 Verborn, AudoCritication M. et Rienterforerizz V. Us. 122 Verborn, Inducation C. V. | VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 4.13999987e-005 | | |
| VerDum, AutoContectSed, M. at FillerStrate, Eng. 19 VerDum, AutoContectSed, M. at FillerStrate, Eng. 19 VerDum, AutoContectSed, M. at FillerStrate, Eng. 19 VerDum, AutoContectSed, M. at FillerStrate, Cont. 19 VerDum, ProvoContectSed, M. at FillerStrate, Cont. 19 VerDum, AudoreactS | VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1081.09998 | | |
| Velicity AuthOrisit (Stock) M. Ser Principle (Principle Coll Light Coll Coll Coll Coll Coll Coll Coll Col | VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000731999986 | | |
| Velicity AutoContLogic M. M. Ser Price Intellization (Co. Up. 0 | | | | |
| Verbilly Forescherishable (Jil M. 1962) 1 1 1 1 1 1 1 1 1 | | | | |
| Verbilly Procedemichate Handlerg M122 | | | | |
| VenDyn Proproceder Content VenDyn Proproceder VenDyn | | | | |
| VelOpt, Nisipate, caret, Crit, Mige | | | | |
| Verbyn Lisbyd care Corp. May Verbyn Lisbyd care Corp. Verbyn Lisbyd care Verbyn Lisbyd care Verbyn Model Verbyn Model Verbyn Model Verbyn Model Verbyn Model Verbyn Model Verbyn V | | | | |
| VarDyn, LaSoptierent, Crift, Mi, Isp VarDyn, MonOffeet, Huberg, Mi, 182 VarDyn, MonOffeet, Huberg, Mi, 182 VarDyn, Phirtopic M, et al. Ville, 182 VarD | | | | |
| Verbing MonOffeet, Hubberg, ML 52 | | i i | | |
| VehDyn, Michies, Hobe, M. 192 | | | | |
| Viellow_PintTrasV_M_strix_Uis_B12 | , | | | |
| VenDyn, SiPhwPos, Merce, M. 192 VenDyn, SiPhwPos, Merce, Merc | | | | |
| VehDyn, SIPHWAME, UB, M. 122 | | | | |
| VieDry SI-Phre'na Murage M. 102 5477 | | | | |
| Verbiny SHHAAQNISTIME_MS_MIS2 S477 | | | | |
| K. His Prignant Pulmin, 192 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 | | | | |
| Linear | k_HiSpdVDAuthority_Uls_f32 | 0 | | |
| K_SysKratio_MrtDegthVDeg_132 | k_HwTqMgnThd_HwNm_f32 | 1.5 | | |
| k_TravelXCDeadband_Uls_[S2 k_TravelXCDeadband_Ul | k_LoSpdVDAuthority_Uls_f32 | 1 | | |
| K_TravelXCDeadband_Uls_f32 | k_SrlHwAgVldTiThd_mS_u32 | 456 | | |
| Engret DimmElapsed Time mS, u32 Elapsed Time | k_SysKinRatio_MtrDegpHwDeg_f32 | 75.0999985 | | |
| Starget_DimmElapsedTime_mS_u32_ElapsedTime 4180236544 | k_TravelXCDeadband_Uls_f32 | 60.2900009 | | |
| target_Ric_Call_Ap_VehDyn_SystemTime_DimmcElapsedTime_mS_u32_ElapsedTime_traget_Ric_Call_Ap_VehDyn_SystemTime_DommcElapsedTime_mS_u32_CurrentTime_traget_Ric_Call_Ap_VehDyn_SystemTime_DommcElapsedTime_mS_u32_CurrentTime_traget_Ric_Inst_Ap_VehDyn_VehDyn_Per1_CwEOT_HwDeg_132 | k_TravelXCHwAuthority_Uls_f32 | 0.065624997 | | |
| target_Ric_Call_Ap_VehDyn_SystemTime_DitmnElapsedTime_mS_u32_CurrentTime 824746752 target_Ric_Call_Ap_VehDyn_SystemTime_CetSystemTime_mS_u32_CurrentTime 5477 target_Ric_Inst_Ap_VehDyn_NerD_mPert_CwEOT_HwDeg_132 target_Ric_Inst_Ap_VehDyn_NerD_mPert_LowEOT_HwDeg_132 target_Ric_Inst_Ap_VehDyn_NerD_mPert_MotorVeiCRF_MirRadpS_132 target_Ric_Inst_Ap_VehDyn_NerD_mPert_MotorVeiCRF_MirRadpS_132 target_Ric_Inst_Ap_VehDyn_NerD_mPert_RelHwPos_HwDeg_132 target_VehDyn_Pert_MotorVeiCRF_MirRadpS_132 target_Ric_Inst_Ap_VehDyn_NerD_mPert_SenotresaAuthority_Uis_132 target_VehDyn_Pert_IndivveiCRF_MirRadpS_132 target_Ric_Inst_Ap_VehDyn_NerD_mPert_SenotresaAuthority_Uis_132 target_VehDyn_Pert_SenotresaAuthority_Uis_132 target_Ric_Inst_Ap_VehDyn_NerD_mPert_SirithwAgVid_Cnt_Ugc target_VehDyn_Pert_SirithwAgVid_Cnt_Ugc target_Ric_Inst_Ap_VehDyn_NerD_mPert_TorquecmdCRF_MirNm_132 target_VehDyn_Pert_SirithwAgVid_Cnt_Ugc target_Ric_Inst_Ap_VehDyn_NerD_mPert_VehicleSpeed_Kph_132 target_VehDyn_Pert_SirithwAgVid_Cnt_Ugc target_Ric_Inst_Ap_VehDyn_NerD_mPert_VehicleSpeed_Kph_132 target_VehDyn_Pert_SirithwAgVid_Cnt_Ugc target_Nebyn_Pert_SirithwAgVid_Cnt_Ugc target_VehDyn_Pert_VehicleSpeed_Kph_132 target_Nebyn_Pert_SirithwAgVid_Cnt_Ugc_Ugc_Under_VehDyn_Pert_Nebe_128_RelXep_Ugc_Under_VehDyn_Pert_VehicleSpeed_Kph_132 target_VehDyn_Pert_VehicleSpeed_Kph_132 | target_DtrmnElapsedTime_mS_u32_ElapsedTime | | | |
| target_Rie_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrenTime target_Rie_inst_Ap_VehDyn_Pert_CoxECT_HwDeg_i32 target_Rie_inst_Ap_VehDyn_Pert_CoxECT_HwDeg_i32 target_Rie_inst_Ap_VehDyn_Pert_CwECT_HwDeg_i32 target_Rie_inst_Ap_VehDyn_Pert_HwTorque_HwNm_i32 target_Rie_inst_Ap_VehDyn_Pert_HwTorque_HwNm_i32 target_Rie_inst_Ap_VehDyn_Pert_HwTorque_HwNm_i32 target_Rie_inst_Ap_VehDyn_Pert_HwTorque_HwNm_i32 target_Rie_inst_Ap_VehDyn_Pert_HwTorque_HwNm_i32 target_Rie_inst_Ap_VehDyn_Pert_RieliwPos_HwDeg_i32 target_Rie_inst_Ap_VehDyn_Pert_SensoriessAbthority_Uis_i32 target_Rie_inst_Ap_VehDyn_Pert_SensoriessAbthority_Uis_i32 target_Rie_inst_Ap_VehDyn_Pert_SensoriessAbthority_Uis_i32 target_Rie_inst_Ap_VehDyn_Pert_SensoriessAbthority_Uis_i32 target_Rie_inst_Ap_VehDyn_Pert_Sirl+wAgVid_Cml_igc target_Rie_inst_Ap_VehDyn_Pert_Sirl+wAgVid_Cml_igc target_VehDyn_Pert_SensoriessAbthority_Uis_i32 target_VehDyn_Pert_SensoriessAbthority_ | | | | |
| target_Rie_Inst_Ap_VehDyn.Per1_CowEOT_HwDeg_132 target_Rie_Inst_Ap_VehDyn.Per1_CwEOT_HwDeg_132 target_Rie_Inst_Ap_VehDyn.Per1_CwEOT_HwDeg_132 target_Rie_Inst_Ap_VehDyn.Per1_Wordroup_HwNm_132 target_Rie_Inst_Ap_VehDyn.Per1_MotorVelCRF_MtrRadpS_132 target_Rie_Inst_Ap_VehDyn.Per1_MotorVelCRF_MtrRadpS_132 target_Rie_Inst_Ap_VehDyn.Per1_ReitwPos_HwDeg_132 target_Rie_Inst_Ap_VehDyn.Per1_ReitwPos_HwDeg_132 target_Rie_Inst_Ap_VehDyn.Per1_ReitwPos_HwDeg_132 target_Rie_Inst_Ap_VehDyn.Per1_ReitwPos_HwDeg_132 target_Rie_Inst_Ap_VehDyn.Per1_SensoriessAwthority_Uis_132 target_Rie_Inst_Ap_VehDyn.Per1_SensoriessAwthority_Uis_132 target_Rie_Inst_Ap_VehDyn.Per1_SensoriessAwthority_Uis_132 target_Rie_Inst_Ap_VehDyn.Per1_SensoriessAwthority_Uis_132 target_Rie_Inst_Ap_VehDyn.Per1_SensoriessAwthority_Uis_132 target_Rie_Inst_Ap_VehDyn.Per1_SriHwAgVid_Cnt_Igc target_Rie_Inst_Ap_VehDyn.Per1_SriHwAgVid_Cnt_Igc target_Rie_Inst_Ap_VehDyn.Per1_TorqueCmdGRF_MtrNm_132 target_Rie_Inst_Ap_VehDyn.Per1_Per1_VehIcdeSpeedValid_Cnt_Igc target_Rie_Inst_Ap_VehDyn.Per1_VehIcdeSpeed_Rph_132 target_VehDyn_Per1_Cwided_Rph_132 target_VehDyn_Per1_Cwided_Rph_132 target_VehDyn_Per1_Cwided_Rph_132 target_VehDyn_Per1_Cwided_Rph_132 target_VehDyn_Per1_Cwided_Rph_132 target_VehDyn_Per1_Cwided_Rph_132 target_VehDyn_Per1_Cwided_Rph_132 target_VehDyn_Per1_MotorVelCRF_MtrRadpS_132.value target_VehDyn_Per1_RiHwWos_HwDeg_132.value target_VehDyn_Per1_RiHwWos_HwDeg_132.value target_VehDyn_Per1_RiHwWos_HwDeg_132.value target_VehDyn_Per1_RiHwWos_HwDeg_132.value target_VehDyn_Per1_SriHwAgVid_Cnt_Igc_value target_VehDyn_Per1_SriHwAgVid_Cnt_Igc_value target_VehDyn_Per1_SriHwAgVid_Cnt_Igc_value target_VehDyn_Per1_SriHwAgVid_Cnt_Igc_value target_VehDyn_Per1_VehIcdeSpeed_Rph_132.value target_VehDyn_Per1_VehIcdeSpeed_Rph_132.value target_VehDyn_Per1_VehIcdeSpeed_Rph_132.value target_VehDyn_Per1_VehIcdeSpeed_Rph_132.value target_VehDyn_Per1_VehIcdeSpeed_Rph_132.value target_VehDyn_Per1_VehIcdeSpeed_Rph_132.value target_VehDyn_Per1_VehIcdeSpeed_Rph_132.value target_VehDyn_Per1_Veh | | | | |
| target_Rie_Inst_Ap_VehDyn_Per1_CwEOT_HwDeg_I32 target_Rie_Inst_Ap_VehDyn_Per1_HwTorque_HwNm_I32 target_Rie_Inst_Ap_VehDyn_VehDyn_Per1_HwTorque_HwNm_I32 target_Rie_Inst_Ap_VehDyn_NehDyn_Per1_HwTorque_HwNm_I32 target_Rie_Inst_Ap_VehDyn_NehDyn_Per1_Reinvolve(DRF_MrRadps_I32 target_Rie_Inst_Ap_VehDyn_VehDyn_Per1_Reinvolve(DRF_MrRadps_I32 target_Rie_Inst_Ap_VehDyn_VehDyn_Per1_SensoriessAuthority_Uis_I32 target_Rie_Inst_Ap_VehDyn_VehDyn_Per1_SensoriessAuthority_Uis_I32 target_Rie_Inst_Ap_VehDyn_VehDyn_Per1_SensoriessAuthority_Uis_I32 target_Rie_Inst_Ap_VehDyn_VehDyn_Per1_SirliwagVid_Cnt_Uig_Uis_I32 target_Rie_Inst_Ap_VehDyn_VehDyn_Per1_SirliwagVid_Cnt_Uig_Uis_I32 target_Rie_Inst_Ap_VehDyn_VehDyn_Per1_SirliwagVid_Cnt_Uig_Uis_I32 target_Rie_Inst_Ap_VehDyn_VehDyn_Per1_SirliwagVid_Cnt_Uig_Uis_I32 target_Rie_Inst_Ap_VehDyn_VehDyn_Per1_SirliwagVid_Cnt_Uig_Uis_I32 target_VehDyn_Per1_SirliwagVid_Cnt_Uig_Uis_I32 target_VehDyn_Per1_VehicleSpeed_Kin_I32 target_VehDyn_Per1_SirliwagVid_Cnt_Uig_Uis_I32 target_VehDyn_Per1_VehicleSpeed_Kin_I32 target_VehDyn_Per1_MotorVelCRF_MitradpS_I32 value target_VehDyn_Per1_MotorVelCRF_MitradpS_I32 value target_VehDyn_Per1_SirliwAgVid_Cnt_Uig_VehUp_NehDyn_Inst_Inst_Inst_Inst_Inst_Inst_Inst_Ins | | | | |
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| target_Rel_inst_Ap_VehDyn_VehDyn_Per1_MotorVeiCRF_MtrRadpS_f32 target_Rel_inst_Ap_VehDyn_VehDyn_Per1_RelHwPos_HwDeg_f32 target_Rel_inst_Ap_VehDyn_VehDyn_Per1_SensoriessAtthvity_Uis_f32 target_VehDyn_Per1_SensoriessAtthvity_Uis_f32 target_VehDyn_Per1_SensoriessAtthvity_Uis_f32 target_VehDyn_Per1_SensoriessAtthvity_Uis_f32 target_VehDyn_Per1_SensoriessAtthvity_Uis_f32 target_VehDyn_Per1_SensoriessAtthvity_Uis_f32 target_VehDyn_Per1_SensoriessAtthvity_Uis_f32 target_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc_talue 1 | | 0 - 7 0- | | |
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| target_Rte_Inst_Ap_VehDyn.VehDyn_Pert_SensorlessHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Pert_SrithwAgVId_Cnt_Igc target_Rte_Inst_Ap_VehDyn.VehDyn_Pert_SrithwAgVId_Cnt_Igc target_Rte_Inst_Ap_VehDyn.VehDyn_Pert_SrithwAgVId_Cnt_Igc target_Rte_Inst_Ap_VehDyn.VehDyn_Pert_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Pert_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Pert_VehicleSpeed_Kph_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Pert_VehicleSpeed_Kph_f32 target_VehDyn_Pert_CwEOT_HwDeg_f32_value target_VehDyn_Pert_CwEOT_HwDeg_f32_value target_VehDyn_Pert_CwEOT_HwDeg_f32_value target_VehDyn_Pert_MotorvelCRF_MtrRadps_f32_value target_VehDyn_Pert_RtrllwPos_f32_value target_VehDyn_Pert_RtrllwPos_f32_value target_VehDyn_Pert_SrithwAgVId_Cnt_Igc_value target_VehDyn_Pert_SrithwAgVId_Cnt_Igc_value target_VehDyn_Pert_SrithwAgVId_Cnt_Igc_value target_VehDyn_Pert_RtrllwPos_f32_value target_VehDyn_Pert_SrithwAgVId_Cnt_Igc_value target_VehDyn_Pert_SrithwAgVId_Cnt_Igc_value target_VehDyn_Pert_SrithwAgVId_Cnt_Igc_value target_VehDyn_Pert_SrithwAgVId_Cnt_Igc_value target_VehDyn_Pert_VehicleSpeed_Kph_f32 target_VehDyn_Pert_VehicleSpeed_Kph_f32_value target_VehDyn_Fert_VehicleSpeed_Kph_f32_value tar | | | | |
| target_Rte_Inst_Ap_VehDyn,VehDyn_Pert_SriHwAgVid_Cnt_Igc target_VehDyn_Pert_SriHwAg_HWDeg_T32 target_VehDyn_Pert_SriHwAg_HWDeg_T32 target_Rte_Inst_Ap_VehDyn,VehDyn_Pert_TorqueCmdCRF_MtrNm_132 target_VehDyn_Pert_TorqueCmdCRF_MtrNm_132 target_Rte_Inst_Ap_VehDyn,VehDyn_Pert_VehicleSpeed_Valid_Cnt_Igc target_VehDyn_Pert_VehicleSpeed_Valid_Cnt_Igc target_VehDyn_Pert_CowEOT_HwDeg_T32.value target_VehDyn_Pert_VehicleSpeed_Kph_T32 target_VehDyn_Pert_CowEOT_HwDeg_T32.value **184.4899 target_VehDyn_Pert_MotorVelCRF_MtrRadpS_T32.value **22.427002 target_VehDyn_Pert_MotorVelCRF_MtrRadpS_T32.value **900.01001 target_VehDyn_Pert_RelHwPos_HwDeg_T32.value **188.48999 target_VehDyn_Pert_SriHwAg_HwDeg_T32.value **188.48999 target_VehDyn_Pert_TorqueCmdCRF_MtrNm_T32.value **188.48999 target_VehDyn_Pert_TorqueCmdCRF_MtrNm_T32.value **128999995 target_VehDyn_Pert_TorqueCmdCRF_MtrNm_T32.value **1289999995 target_VehDyn_Pert_VehicleSpeed_Kph_T32.value **1289999995 target_VehDyn_Pert_VehicleSpeed_Kph_T32.value **1289999995 target_VehDyn_Pert_VehicleSpeed_Kph_T32.value **12894099999999999999999999999999999999999 | 0 , , , , , | | _ | |
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| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | | | | |
| target_VehDyn_Per1_HwTorque_HwMm_f32.value 7.0399996 target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value -900.01001 target_VehDyn_Per1_RelHwPos_HwDeg_f32.value -1081.09998 target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value -1168.48999 target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value -1168.48999 target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value -1168.48999 target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value -1168.48999 target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value -1168.48999 target_VehDyn_Per1_VehicleSpeed_Kph_f32.value -1168.48999 VehDyn_Per1_VehicleSpeed_Kph_f32.value -1168.48999 Name | | | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value 7.03999996 target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value -900.01001 target_VehDyn_Per1_RelHwPos_HwDeg_f32.value -1081.09998 target_VehDyn_Per1_SrlHwAgVid_Cnt_lgc.value 1 target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value 1188.48999 target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value 129999995 target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value 129999995 target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value 129999995 target_VehDyn_Per1_VehicleSpeed_Kph_f32.value 245.080002 Name Actual Value Expected Value F VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | · · · · · · · · · · · · · · · · · · · | | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | | 7.03999996 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | -900.01001 | | |
| target_VehDyn_Perl_SrlHwAg_HwDeg_f32.value -1168.48999 target_VehDyn_Perl_TorqueCmdCRF_MtrNm_f32.value 1.29999995 target_VehDyn_Perl_VehicleSpeed_Kph_f32.value 1 VehDyn_Perl_VehicleSpeed_Kph_f32.value 245.080002 Name Actual Value Expected Value F VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc 1 1 1 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 2760420809 2760420809 2760420809 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 2760420809 2760420809 2760420809 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 -1081.09998 -1081.09998 ± 0.009 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 -1081.09998 -1081.09998 ± 0.009 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrDetSpd_M_str.Filter1_mS_u32 3304439296 3304439296 | target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | -1081.09998 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value 245.080002 Name | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 1 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value 1 Name Actual Value Expected Value F VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc 1 1 1 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 2760420809 2760420809 2760420809 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 2760420809 2760420809 2760420809 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 -1081.09998 -1081.09998 ± 0.009 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 -1081.09998 -1081.09998 ± 0.009 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrDetSpd_M_str.Filter1_mS_u32 3304439296 3304439296 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | -1168.48999 | | |
| Name Actual Value Expected Value F VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc 1 1 1 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 2760420809 2760420809 2760420809 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 2760420809 2760420809 2760420809 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 -1081.09998 -1081.09998 ± 0.009 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 -1081.09998 -1081.09998 ± 0.009 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 3304439296 3304439296 | target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | 1.2999995 | | |
| Name Actual Value Expected Value F VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc 1 1 1 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 2760420809 2760420809 2760420809 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 2760420809 2760420809 2760420809 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 -1081.09998 -1081.09998 ± 0.009 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 -1081.09998 -1081.09998 ± 0.009 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrDetSpd_M_str.Filter1_mS_u32 3304439296 3304439296 | | | | |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc 1 1 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 2760420809 2760420809 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 2760420809 2760420809 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 -1081.09998 -1081.09998 ± 0.009 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 -1081.09998 -1081.09998 ± 0.009 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 3304439296 3304439296 | target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 245.080002 | | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 2760420809 2760420809 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 2760420809 2760420809 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 -1081.09998 -1081.09998 ± 0.009 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 -1081.09998 -1081.09998 ± 0.009 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 3304439296 3304439296 | Name | Actual Value | Expected Value | Resul |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 2760420809 2760420809 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 -1081.09998 -1081.09998 ± 0.009 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 -1081.09998 -1081.09998 ± 0.009 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 3304439296 3304439296 | VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 | 1 | • |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 -1081.09998 -1081.09998 ± 0.009 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 -1081.09998 -1081.09998 ± 0.009 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 3304439296 3304439296 | | | | • |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 -1081.09998 -1081.09998 ± 0.009 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 3304439296 3304439296 | | | | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 3304439296 3304439296 | | | | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 3304439296 3304439296 | | | | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 3304439296 3304439296 | | | | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 3304439296 3304439296 | | | | • |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 3304439296 3304439296 | · | | | • |
| | | | | • |
| venuyn_AutoUntrHispd_M_str. Imerz_ms_u32 2760420809 2760420809 | | | | • |
| | | | | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 -1081.09998 -1081.09998 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 -1081.09998 -1081.09998 ± 0.009 | | | | |



| Name | Actual Value | Expected Value | Result |
|-----------------------------------------------------------------|--------------|----------------------|----------|
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 2760420809 | 2760420809 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 2760420809 | 2760420809 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1081.09998 | -1081.09998 ± 0.009 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1081.09998 | -1081.09998 ± 0.009 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | - |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | 1 | ✓ |
| VehDyn_MaxOffset_HwDeg_M_f32 | 573.830017 | 573.830017 | - |
| VehDyn_MinOffset_HwDeg_M_f32 | -100.390015 | -100.389999 | ~ |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 17.7960987 | 17.7961006 ± 0.00009 | ~ |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 5477 | 5477 | ~ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 1 | 1 ± 0.004 | ~ |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | -380.149963 | -380.149994 ± 0.1 | ~ |

| Τ | | | | ✓ |
|----------------------------------------------------|-------|----------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | ✓ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | - |

| Namo | Input Value |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|
| Name | • |
| OtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| GetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| /ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 |
| /ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 63.4000015 |
| /ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 124.400002 |
| /ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 18.3999996 |
| /ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 86.4000015 |
| /ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 8366 |
| /ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 51002 |
| /ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 2138628886 |
| /ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 2138628886 |
| /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1123.40002 |
| /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000725999998 |
| /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1123.40002 |
| /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000725999998 |
| /ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| /ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| /ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| /ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| /ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 350.600006 |
| /ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 147 |
| /ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 15 |
| /ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 32.0999985 |
| /ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 21364 |
| /ehDyn AutoCntrHiSpd M str.Timer2Thresh mS u16 | 52716 |
| /ehDyn AutoCntrHiSpd M str.Timer1 mS u32 | 2138628886 |
| /ehDyn AutoCntrHiSpd M str.Timer2 mS u32 | 2138628886 |
| /ehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32 | 1123.40002 |
| /ehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32 | 0.000525999989 |
| /ehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32 | 1123.40002 |
| /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000855999999 |
| /ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| /ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| /ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| /ehDyn_AutoCntrHiSpd_w_str.Filter2Initialized_Cnt_lgc | 1 |



| Name | Input Value | | |
|----------------------------------------------------------------------|-----------------------------------------|--------------------|-------|
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 63.0999985 | | |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 124.199997 | | |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 18.2000008 | | |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 86.3000031 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 8366 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 51002 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 2138628886 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 2138628886 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1123.40002 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 4.02000005e-005 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1123.40002 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000725999998 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | | |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 1 | | |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | -1000.67999 | | |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 | | |
| VehDyn_Initialize_Cnt_M_lgc | 1 | | |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 | | |
| VehDyn_MaxOffset_HwDeg_M_f32 | 558.854004 | | |
| VehDyn_MinOffset_HwDeg_M_f32 | -1185.16199 | | |
| VehDyn_PinTrqSV_M_str.SV_UIs_f32 | 1.5 | | |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000360000005 | | |
| VehDyn_SLPHwAuth_Uls_M_f32 VehDyn_SLPHwPos_HwDeg_M_f32 | 0.416999996 | | |
| | -1199.27002 2728878080 | | |
| VehDyn_SrlHwAgVIdTimer_mS_M_u32 | 1 | | |
| k_HiSpdVDAuthority_UIs_f32 | 5.44999981 | | |
| k_HwTqMgnThd_HwNm_f32 k_LoSpdVDAuthority_Uls_f32 | 0.89999976 | | |
| k_SrlHwAgVldTiThd_mS_u32 | 4856 | | |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 41.2999992 | | |
| k TravelXCDeadband Uls f32 | 55.9700012 | | |
| k_TravelXCHwAuthority_UIs_f32 | 0.0619499981 | | |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 4129141760 | | |
| target_GetSystemTime_mS_u32_CurrentTime | 4164171008 | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed | | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTin | | | |
| target Rte Inst Ap VehDyn.VehDyn Per1 CcwEOT HwDeg f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 |) | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 | | |
| target Rte Inst Ap VehDyn.VehDyn Per1 HwTorque HwNm f32 | target_VehDyn_Per1_HwTorque_HwNm_f3 | 2 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target VehDyn Per1 MotorVelCRF MtrRa | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f | · - | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_ | | |
| target Rte Inst Ap VehDyn.VehDyn Per1 SensorlessHwPos HwDeg f32 | target VehDyn Per1 SensorlessHwPos H | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 | ! | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_Mtr | Nm_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc | target_VehDyn_Per1_VehicleSpeedValid_C | nt_lgc | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph_f | 32 | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -1200.27002 | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 789.705994 | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | 7.01000023 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | -1118 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | 1123.40002 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 1 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | -1199.27002 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | -1.60000002 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 0 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 499.089996 | | |
| Name | Actual Value | Expected Value | Resul |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 | 1 | • |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 2138628886 | 2138628886 | • |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 2138628886 | 2138628886 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1123.40002 | 1123.40002 ± 0.009 | • |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1123.40002 | 1123.40002 ± 0.009 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 4164171008 | 4164171008 | |

2138628886

2138628886



| Name | Actual Value | Expected Value | Result |
|-----------------------------------------------------------------|--------------|----------------------|----------|
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1123.40002 | 1123.40002 ± 0.009 | • |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1123.40002 | 1123.40002 ± 0.009 | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 4164171008 | 4164171008 | • |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 2138628886 | 2138628886 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1123.40002 | 1123.40002 ± 0.009 | • |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1123.40002 | 1123.40002 ± 0.009 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | • |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 | 0 | • |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | • |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 | 0 | ✓ |
| VehDyn_MaxOffset_HwDeg_M_f32 | -333.694031 | -333.694 | • |
| VehDyn_MinOffset_HwDeg_M_f32 | -1185.16199 | -1185.16199 | • |
| VehDyn_PinTrqSV_M_str.SV_UIs_f32 | 1.5019697 | 1.5019697 ± 0.000009 | • |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 2728878080 | 2728878080 | ~ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 1 | 1 ± 0.004 | - |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | 1600 | 1600 ± 0.1 | • |

| Τ | | | | ✓ |
|----------------------------------------------------|-------|----------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | • |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | • |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | • |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | • |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | • |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |

| Test Step 2.19 (Repeat Count = 1) | |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|
| Name | Input Value |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| GetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 700 |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 255 |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 20 |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 100 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 60000 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 60000 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 4294967295 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 4294967295 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1600 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.00125584786 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1600 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.00125584786 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 700 |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 255 |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 20 |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 100 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 60000 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 60000 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 4294967295 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 4294967295 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1600 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.00125584786 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1600 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.00125584786 |



| | | | (|
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|------------------------------|------|
| Name | Input Value | | |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1 | | |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 | | |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | | |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | | |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 700 | | |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 255 | | |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 20 | | |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 100 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 60000 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 60000 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 4294967295 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 4294967295 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 | 1600 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.00125584786 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1600 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0.00125584786 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 | | |
| VehDyn AutoCntrLoSpd M str.Filter1Initialized Cnt. Igc | 1 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | | |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 1 | | |
| VehDyn ForceCenterEriabled_Crit_in_igc VehDyn ForceCenterOffset HwDeg M f32 | 1600 | | |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 | | |
| VehDyn Initialize Cnt M Igc | 1 | | |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | | |
| VehDyn MaxOffset HwDeg M f32 | 1440.10999 | | |
| VehDyn_MinOffset_HwDeg_M_f32 | 2840 | | |
| VehDyn_PinTrqSV_M_str.SV_UIs_f32 | 18.7999992 | | |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.00125584786 | | |
| VehDyn_SLPHwAuth_Uls_M_f32 | 1 | | |
| VehDyn_SLPHwPos_HwDeg_M_f32 | 1600 | | |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 4294967295 | | |
| k_HiSpdVDAuthority_Uls_f32 | 1 | | |
| k_HwTqMgnThd_HwNm_f32 | 10 | | |
| k_LoSpdVDAuthority_Uls_f32 | 1 | | |
| k_SrlHwAgVldTiThd_mS_u32 | 100000 | | |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 100 | | |
| k_TravelXCDeadband_Uls_f32 | 100 | | |
| k_TravelXCHwAuthority_Uls_f32 | 1 | | |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 4294967295 | | |
| target_GetSystemTime_mS_u32_CurrentTime | 4294967295 | | |
| $target \ Rte \ Call \ Ap \ VehDyn \ SystemTime \ DtrmnElapsedTime \ mS \ u32 \ ElapsedTime \ mS \ u33 \ ElapsedTime \ mS \ u34 \ ElapsedTime \ mS \ u35 \ ElapsedTime \ mS \ u34 \ ElapsedTime \ mS \ u35 \ ElapsedTime \ m$ | 4294967295 | | |
| $target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime$ | 4294967295 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f3 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRac | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f3 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_l | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_Hv | vDeg_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_MtrN | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc | target_VehDyn_Per1_VehicleSpeedValid_C | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph_f3-360 |) <u> </u> | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 1440.10999 | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 10 | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | 1118 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | 1600 | | |
| target_venDyn_Per1_ReiHwPos_HwDeg_r3z.value target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 1 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | 1600 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | 8.80000019 | | |
| target_VehDyn_Per1_TorqueCffidCKP_MithITI_I3z.value target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 1 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 511 | | |
| Name | Actual Value | Expected Value | Doo: |
| | 1 | Expected Value | Resu |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSnd_M_str_Timer1_mS_u32 | | 4294967295 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 4294967295 | | |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 4294967295 | 4294967295 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1600 1600 | 1600 ± 0.009 1600 ± 0.009 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1600 ± 0.009 | |
| VehDvn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | |

 $VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc$



| Name | Actual Value | Expected Value | Result |
|-----------------------------------------------------------------|--------------|----------------------|--------|
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 4294967295 | 4294967295 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 4294967295 | 4294967295 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1600 | 1600 ± 0.009 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1600 | 1600 ± 0.009 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 4294967295 | 4294967295 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 4294967295 | 4294967295 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1600 | 1600 ± 0.009 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1600 | 1600 ± 0.009 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | 1 | • |
| VehDyn_MaxOffset_HwDeg_M_f32 | -159.890015 | -159.889999 | ~ |
| VehDyn_MinOffset_HwDeg_M_f32 | 2840 | 2840 | ~ |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 18.7890587 | 18.7890587 ± 0.00009 | ~ |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 4294967295 | 4294967295 | ~ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 1 | 1 ± 0.004 | ~ |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | 0 | 0 ± 0.1 | ~ |

| T | | | | ✓ |
|----------------------------------------------------|-------|----------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | • |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |

| Test Step 2.20 (Repeat Count = 1) | |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|
| Name | Input Value |
| OtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| GetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| /ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 |
| /ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 457.299988 |
| /ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 166.300003 |
| /ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 16.2999992 |
| /ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 12.3000002 |
| /ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 25532 |
| /ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 27401 |
| ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 54822322 |
| ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 383750110 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1576.71997 |
| /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000684000028 |
| /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1576.71997 |
| /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000684000028 |
| /ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| /ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| /ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| /ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 200.100006 |
| /ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 176 |
| /ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 14 |
| /ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 53.2999992 |
| /ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 49475 |
| /ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 38708 |
| /ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 54822322 |
| /ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 383750110 |
| /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1576.71997 |
| /ehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32 | 0.000696400006 |



| Name | Input Value | | |
|------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|--------------------|--------|
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1576.71997 | | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000814000028 | | |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1 | | |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 | | |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | | |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | | |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 457.700012 | | |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 166.600006 | | |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 16.7000008 | | |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 12.6000004 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 25532 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 27401 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 54822322 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 383750110 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1576.71997 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 3.17999984e-005 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1576.71997 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000684000028 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | | |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 1 | | |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | 98.3300018 | | |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 | | |
| VehDyn_Initialize_Cnt_M_lgc | 1 | | |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 | | |
| VehDyn_MaxOffset_HwDeg_M_f32 | 454.022003 | | |
| VehDyn_MinOffset_HwDeg_M_f32 | -1325.526 | | |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 7.5999999 | | |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000268000003 | | |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.731999993 | | |
| VehDyn_SLPHwPos_HwDeg_M_f32 | -1414.72998 | | |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 1117112832 | | |
| k_HiSpdVDAuthority_UIs_f32 | 1 | | |
| k_HwTqMgnThd_HwNm_f32 | 0.119999997 | | |
| k_LoSpdVDAuthority_UIs_f32 | 0 | | |
| k_SrlHwAgVldTiThd_mS_u32 | 456 | | |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 53.0999985 | | |
| k_TravelXCDeadband_Uls_f32 | 25.7299995 | | |
| k_TravelXCHwAuthority_Uls_f32 | 0.0362249985 | | |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 2728878080 | | |
| target_GetSystemTime_mS_u32_CurrentTime | 2430672128 | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_target_Rte_Call_Ap_VehDyn_SystemTime_CatSystemTime_mS_u32_CurrentTime | | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime | | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 | 2 | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f3: | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRac | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f3 | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_U target_VehDyn_Per1_SensorlessHwPos_Hv | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | | VDeg_I32 | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAgVld_Cnt_Igc | target_VehDyn_Per1_SrlHwAg.HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_MtrN | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc | target_VehDyn_Per1_VehicleSpeedValid_C | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph_f3 | 02 | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -1331.72998 | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 560.658997 | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | 6.25 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | 0 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | 1576.71997 | | |
| target_VehDyn_Per1_SrlHwAg_HwDg_f33_velue | 1 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | -1414.72998 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | 7.5999999 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 0 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 258.880005 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 | 1 | - |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 54822322 | 54822322 | • |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 383750110 | 383750110 | • |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1576.71997 | 1576.71997 ± 0.009 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1576.71997 | 1576.71997 ± 0.009 | |



| Name | Actual Value | Expected Value | Result |
|-----------------------------------------------------------------|--------------|-----------------------|----------|
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 2430672128 | 2430672128 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 383750110 | 383750110 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1576.71997 | 1576.71997 ± 0.009 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1576.71997 | 1576.71997 ± 0.009 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 2430672128 | 2430672128 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 383750110 | 383750110 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1576.71997 | 1576.71997 ± 0.009 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1576.71997 | 1576.71997 ± 0.009 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 | 0 | ✓ |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 | 0 | ~ |
| VehDyn_MaxOffset_HwDeg_M_f32 | -1016.06097 | -1016.06097 | ~ |
| VehDyn_MinOffset_HwDeg_M_f32 | -1325.526 | -1325.526 | ✓ |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 7.59967661 | 7.59967661 ± 0.000009 | ~ |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 1117112832 | 1117112832 | ~ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 1 | 1 ± 0.004 | ✓ |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | 1478.39001 | 1478.39001 ± 0.1 | ✓ |

| T | | | | |
|----------------------------------------------------|-------|----------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ✓ |
| Rte Call VehDvn Per1 CP1 CheckpointReached | 1 | Rte Call VehDvn Per1 CP1 CheckpointReached | 1 | _ |

| Test Step 2.24 (Beneat Count = 4) | |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|
| Test Step 2.21 (Repeat Count = 1) | |
| Name | Input Value |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| GetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 |
| /ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 350.5 |
| /ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 106.5 |
| /ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 8.5 |
| ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 56.5 |
| ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 25532 |
| ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 27401 |
| /ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 4211268631 |
| ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 4211268631 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1146.91003 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000745999976 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1146.91003 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000745999976 |
| /ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 66.1999969 |
| ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 69 |
| ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 7.0999999 |
| /ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 41 |
| /ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 0 |
| /ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 12258 |



| Name | Input Value |
|-------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 4211268631 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 4211268631 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1146.91003 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000546000025 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1146.91003 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000875999976 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 350.899994 |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 106.800003 |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 8.89999962 |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 56.7999992 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 25532 |
| VehDyn AutoCntrLoSpd M str.Timer2Thresh mS u16 | 27401 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 4211268631 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 4211268631 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1146.91003 |
| VehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32 | 4.41999982e-005 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1146.91003 |
| VehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32 | 0.000745999976 |
| VehDyn AutoCntrLoSpd M str.Filter1Enable Cnt Igc | 0.000745999970 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| | 1 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_Igc | |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 1 |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | -1.58000004 |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 |
| VehDyn_Initialize_Cnt_M_lgc | 0 |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 |
| VehDyn_MaxOffset_HwDeg_M_f32 | 608.773987 |
| VehDyn_MinOffset_HwDeg_M_f32 | -1118.32202 |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 7.80000019 |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000369999994 |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.26699999 |
| VehDyn_SLPHwPos_HwDeg_M_f32 | -1096.67004 |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 800969984 |
| k_HiSpdVDAuthority_Uls_f32 | 1 |
| k_HwTqMgnThd_HwNm_f32 | 1.10000002 |
| k_LoSpdVDAuthority_Uls_f32 | 0 |
| k SrlHwAgVldTiThd mS u32 | 12 |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 96.0999985 |
| k_TravelXCDeadband_Uls_f32 | 70.3700027 |
| k_TravelXCHwAuthority_Uls_f32 | 0.0741999969 |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 2339853824 |
| target_GetSystemTime_mS_u32_CurrentTime | 3351443200 |
| target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi | |
| target_Rte_Call_Ap_vehDyn_SystemTime_Btiffficiapseuffiffe_mis_usz_clapseuffifficialset_Rte_Call_Ap_vehDyn_SystemTime_GetSystemTime_ms_usz_currentTime | 800969984 |
| target_Rte_Call_Ap_vehDyn_SystemTime_GetSystemTime_ms_usz_CurrentTime target_Rte_Inst_Ap_vehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32 | target VehDyn Per1 CcwEOT HwDeg f32 |
| target_Rte_Inst_Ap_venDyn.VenDyn_Per1_CcwEO1_HwDeg_f32 target_Rte_Inst_Ap_vehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | , , , , , , , , , , , , , , , , , , , |
| target_Rte_inst_Ap_venDyn.venDyn_Peri_CwEO1_HwDeg_t32 target_Rte_inst_Ap_venDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 target_VehDyn_Per1_HwTorque_HwNm_f32 |
| | ~ |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_Uls_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAgVld_Cnt_lgc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc | target_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph_f32 |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -1137.67004 |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 898.776001 |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | -9.40999985 |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | 1100.43994 |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | 1146.91003 |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 0 |
| target VehDyn Per1 SrlHwAg HwDeg f32.value | -1096.67004 |
| target VehDyn Per1 TorqueCmdCRF MtrNm f32.value | 4.9000001 |
| g | 0 |
| target VehDvn Per1 VehicleSpeedValid Cnt loc value | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32_value | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name | 38.6699982 Actual Value Expected Value Resu |



| Name | Actual Value | Expected Value | Result |
|------------------------------------------------------------------|--------------|----------------------|----------|
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 4211268631 | 4211268631 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 4211268631 | 4211268631 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1146.91003 | 1146.91003 ± 0.009 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1146.91003 | 1146.91003 ± 0.009 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 3351443200 | 3351443200 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 4211268631 | 4211268631 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1146.91003 | 1146.91003 ± 0.009 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1146.91003 | 1146.91003 ± 0.009 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 3351443200 | 3351443200 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 4211268631 | 4211268631 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1146.91003 | 1146.91003 ± 0.009 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1146.91003 | 1146.91003 ± 0.009 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 | 0 | ✓ |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | ✓ |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 | 0 | ✓ |
| VehDyn_MaxOffset_HwDeg_M_f32 | 898.776001 | 898.776001 | ✓ |
| VehDyn_MinOffset_HwDeg_M_f32 | -1137.67004 | -1137.67004 | ✓ |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 7.79365158 | 7.7936511 ± 0.000009 | ✓ |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 800969984 | 800969984 | ✓ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 1 | 1 ± 0.004 | ✓ |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | 1148.48999 | 1148.48999 ± 0.1 | ✓ |
| | | | |



| Name | Input Value |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 10.1000004 |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 96 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 53759 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 18715 |
| | 4290967295 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 2345892860 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 355.5 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000777799985 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 355.5 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000818 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 539.700012 |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 186.600006 |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 12.6999998 |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 86.5999985 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 43128 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 58869 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 4290967295 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 2345892860 |
| VehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32 | 355.5 |
| VehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32 | 3.26000008e-005 |
| VehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.SV UIs f32 | 355.5 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000688 |
| VehDyn AutoCntrLoSpd M str.Filter1Enable Cnt Igc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| | 1 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | 298.149994 |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 |
| VehDyn_Initialize_Cnt_M_lgc | 0 |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 |
| VehDyn_MaxOffset_HwDeg_M_f32 | 464.006012 |
| VehDyn_MinOffset_HwDeg_M_f32 | -1312.15796 |
| VehDyn_PinTrqSV_M_str.SV_UIs_f32 | -1.60000002 |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.00026999999 |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.702000022 |
| VehDyn_SLPHwPos_HwDeg_M_f32 | -1394.20996 |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 3437401088 |
| k_HiSpdVDAuthority_Uls_f32 | 1 |
| k_HwTqMgnThd_HwNm_f32 | 6.32000017 |
| k_LoSpdVDAuthority_Uls_f32 | 0.800000012 |
| k_SrlHwAgVldTiThd_mS_u32 | 987 |
| k SysKinRatio MtrDegpHwDeg f32 | 96.5 |
| k_TravelXCDeadband_Uls_f32 | 28.6100006 |
| k TravelXCHwAuthority Uls f32 | 0.038674999 |
| target DtrmnElapsedTime mS u32 ElapsedTime | 309385728 |
| target GetSystemTime mS u32 CurrentTime | 2269150976 |
| target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi | |
| target_Rte_Call_Ap_vehDyn_SystemTime_Dtiffficiapsedfiline_inis_usz_clapsedfiline target_Rte_Call_Ap_vehDyn_SystemTime_GetSystemTime_mS_usz_CurrentTime | |
| target_Rte_Call_Ap_venDyn_SystemTime_GetSystemTime_inS_us2_CurrentTime target Rte Inst Ap VehDyn.VehDyn Per1 CcwEOT HwDeg f32 | target VehDyn Per1 CcwEOT HwDeg f32 |
| · · · · · · · · · · | 0 - 7 0- |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_Uls_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAgVld_Cnt_lgc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc | target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph_f32 |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -1319.20996 |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 582.473022 |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | -7.11999989 |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | -900.450012 |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | 355.5 |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 0 |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | -1394.20996 |
| | -1.60000002 |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | -1.00000002 |



| Name | Input Value | | |
|------------------------------------------------------------------|--------------|------------------------|----------|
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 0 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 156.550003 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 4290967295 | 4290967295 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 2345892860 | 2345892860 | * |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 355.5 | 355.5 ± 0.0009 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 355.5 | 355.5 ± 0.0009 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 2269150976 | 2269150976 | v |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 2345892860 | 2345892860 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 355.5 | 355.5 ± 0.0009 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 355.5 | 355.5 ± 0.0009 | |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | v |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 2269150976 | 2269150976 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 2345892860 | 2345892860 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 355.5 | 355.5 ± 0.0009 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 355.5 | 355.5 ± 0.0009 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 | 0 | ✓ |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | ✓ |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 | 0 | ✓ |
| VehDyn_MaxOffset_HwDeg_M_f32 | 582.473022 | 582.473022 | ~ |
| VehDyn_MinOffset_HwDeg_M_f32 | -1319.20996 | -1319.20996 | ~ |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | -1.60149491 | -1.60149491 ± 0.000009 | ~ |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 3437401088 | 3437401088 | ~ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 1 | 1 ± 0.004 | ~ |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | 57.3500061 | 57.3499985 ± 0.1 | ✓ |

| T | | | | ✓ |
|----------------------------------------------------|-------|----------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ✓ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Rte Call VehDyn Per1 CP1 CheckpointReached | 1 | Rte Call VehDyn Per1 CP1 CheckpointReached | 1 | ~ |

| Test Step 2.23 (Repeat Count = 1) | ✓ |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|
| Name | Input Value |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| GetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 580.099976 |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 196.100006 |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 10.1000004 |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 96.0999985 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 53759 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 18715 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 1078320779 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 2553156835 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 731.700012 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000690000015 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 731.700012 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000690000015 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 |



| | (|
|-------------------------------------------------------------------------------------------------------------|------------------------------------------------|
| Name | Input Value |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| | |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 539.299988 |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 206 |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 2.5 |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 45.0999985 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 13352 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 14442 |
| VehDyn AutoCntrHiSpd M str.Timer1 mS u32 | 1078320779 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 2553156835 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -475.299988 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000818500004 |
| | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1123.40002 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000820000016 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| VehDyn AutoCntrLoSpd M str.MtrVel MtrRadpS f32 | 580.119995 |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 196.5 |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 10.1199999 |
| | |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 96.5 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 53759 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 18715 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 1078320779 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 2553156835 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 267.709991 |
| VehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32 | 3.30000003e-005 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 267.709991 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000690000015 |
| - · · | 1 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 1 |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | 398.059998 |
| VehDyn HiSpdLearnt Cnt M Igc | 1 |
| VehDyn_Initialize_Cnt_M_lgc | 0 |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 |
| | |
| VehDyn_MaxOffset_HwDeg_M_f32 | 468.997986 |
| VehDyn_MinOffset_HwDeg_M_f32 | -1305.474 |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | -14.8000002 |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000270999997 |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.686999977 |
| VehDyn_SLPHwPos_HwDeg_M_f32 | -1383.94995 |
| VehDyn SrlHwAgVldTimer mS M u32 | 3494315776 |
| k_HiSpdVDAuthority_Uls_f32 | 0 |
| | 1 |
| k_HwTqMgnThd_HwNm_f32 | |
| k_LoSpdVDAuthority_Uls_f32 | 0.69999988 |
| k_SrlHwAgVldTiThd_mS_u32 | 16445 |
| x_SysKinRatio_MtrDegpHwDeg_f32 | 45.0999985 |
| <_TravelXCDeadband_Uls_f32 | 30.0499992 |
| <_TravelXCHwAuthority_Uls_f32 | 0.0399000011 |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 4164171008 |
| target_GetSystemTime_mS_u32_CurrentTime | 3533260288 |
| target_Geteystermine_mo_usz_currentme target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedT | |
| | |
| target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_Uls_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 |
| | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc | target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph_f32 |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -1312.94995 |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 593.380005 |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | -8.02999973 |
| target_vehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | -900.450012 |
| | 000.70001£ |



| Name | Input Value | | |
|------------------------------------------------------------------|--------------|-----------------------|----------|
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | -1600 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 0 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | -1383.94995 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | 4.5999999 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 1 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 135.550003 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 1078320779 | 1078320779 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 2553156835 | 2553156835 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 731.700012 | 731.700012 ± 0.0009 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 731.700012 | 731.700012 ± 0.0009 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 3533260288 | 3533260288 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 2553156835 | 2553156835 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -475.299988 | -475.299988 ± 0.0009 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1123.40002 | 1123.40002 ± 0.009 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 1078320779 | 1078320779 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 2553156835 | 2553156835 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 267.709991 | 267.709991 ± 0.0009 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 267.709991 | 267.709991 ± 0.0009 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 | 1 | ✓ |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | ✓ |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | 1 | ✓ |
| VehDyn_MaxOffset_HwDeg_M_f32 | 593.380005 | 593.380005 | ~ |
| VehDyn_MinOffset_HwDeg_M_f32 | -1312.94995 | -1312.94995 | ~ |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | -14.7981377 | -14.7981377 ± 0.00009 | ✓ |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 3494315776 | 3494315776 | ✓ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 1 | 1 ± 0.004 | ✓ |
| target VehDyn Per1 SensorlessHwPos HwDeg f32.value | -1600 | -1600 ± 0.1 | ✓ |

| T | | | | ✓ |
|----------------------------------------------------|-------|----------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | • |

| Test Step 2.24 (Repeat Count = 1) | ✓ |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|
| Name | Input Value |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| GetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 621.299988 |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 206.199997 |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 2.20000005 |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 45.2000008 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 13352 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 14442 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 2138628886 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 2760420809 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -968.400024 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000691999972 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -968.400024 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000691999972 |



| | (|
|-----------------------------------------------------------------------|------------------------------------------------|
| Name | Input Value |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn AutoCntrDetSpd M str.Filter2Enable Cnt lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| VehDyn AutoCntrDetSpd M str.Filter2Initialized Cnt Igc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 580 |
| | |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 216 |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 4.0999999 |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 78.099985 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 21364 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 52716 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 2138628886 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 2760420809 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -157.490005 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000859200023 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -378.170013 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000821999973 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 621.5 |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 206.210007 |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 2.5 |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 45.1199989 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 13352 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 14442 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 2138628886 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 2760420809 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -293.049988 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 3.3399997e-005 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -293.049988 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000691999972 |
| | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 1 |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | 497.970001 |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 |
| VehDyn_Initialize_Cnt_M_lgc | 1 |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 |
| VehDyn_MaxOffset_HwDeg_M_f32 | 473,98999 |
| VehDyn_MinOffset_HwDeg_M_f32 | -1298.79004 |
| VehDyn_PinTrqSV_M_str.SV_UIs_f32 | 17.7999992 |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000272000005 |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.671999991 |
| VehDyn_SLPHwPos_HwDeg_M_f32 | -1373.68994 |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 463842816 |
| k_HiSpdVDAuthority_Uls_f32 | 1 |
| k_HwTqMgnThd_HwNm_f32 | 1.5 |
| k_LoSpdVDAuthority_Uls_f32 | 0.400000006 |
| k_SrlHwAgVldTiThd_mS_u32 | 32 |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 78.0999985 |
| k TravelXCDeadband Uls f32 | 31.4899998 |
| k_TravelXCHwAuthority_UIs_f32 | 0.0411249995 |
| target DtrmnElapsedTime mS u32 ElapsedTime | 437658624 |
| target GetSystemTime mS u32 CurrentTime | 812314880 |
| target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedT | |
| target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime | |
| target Rte Inst Ap VehDyn.VehDyn Per1 CcwEOT HwDeg f32 | target VehDyn Per1 CcwEOT HwDeg f32 |
| · · · · · · · · · · | , , , , , , , , , , , , , , , , , , , , |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_Uls_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc | target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph_f32 |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -1306.68994 |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 604.286987 |
| · | |



| Name | Input Value | | |
|------------------------------------------------------------------|--------------|----------------------|----------|
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | -8.93999958 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | 800.849976 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | 1600 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 1 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | -1373.68994 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | -7.30000019 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 0 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 354.140015 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 2138628886 | 2138628886 | • |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 2760420809 | 2760420809 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -968.400024 | -968.400024 ± 0.0009 | • |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -968.400024 | -968.400024 ± 0.0009 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ~ |
| VehDyn AutoCntrDetSpd M str.Filter1Initialized Cnt Igc | 1 | 1 | • |
| VehDyn AutoCntrDetSpd M str.Filter2Initialized Cnt Igc | 0 | 0 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 812314880 | 812314880 | • |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 2760420809 | 2760420809 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -157.490005 | -157.490005 ± 0.0009 | • |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -378.170013 | -378.170013 ± 0.0009 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 812314880 | 812314880 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 2760420809 | 2760420809 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -293.049988 | -293.049988 ± 0.0009 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -293.049988 | -293.049988 ± 0.0009 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | • |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 | 0 | • |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 | 0 | ✓ |
| VehDyn_MaxOffset_HwDeg_M_f32 | -995.713013 | -995.713013 | ~ |
| VehDyn_MinOffset_HwDeg_M_f32 | -1298.79004 | -1298.79004 | ✓ |
| VehDyn_PinTrqSV_M_str.SV_UIs_f32 | 17.7926998 | 17.7927017 ± 0.00009 | ~ |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 463842816 | 463842816 | ~ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 1 | 1 ± 0.004 | ~ |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | 1102.03003 | 1102.03003 ± 0.1 | ~ |

| T | | | | ✓ |
|----------------------------------------------------|-------|----------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | • |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | • |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |

| Test Step 2.25 (Repeat Count = 1) | ✓ |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|
| Name | Input Value |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| GetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 0 |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 0 |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 0 |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 0 |



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| Name | Input Value |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1600 |
| VehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32 | 2.51327106e-006 |
| VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32 | -1600 |
| VehDyn_AutoCntrDetSpd_M_str.ReiHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 2.51327106e-006 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| - · | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 0 |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 0 |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 0 |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 0 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1600 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 2.51327106e-006 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1600 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 2.51327106e-006 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 0 |
| VehDyn AutoCntrLoSpd M str.VehSpd kph f32 | 0 |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 0 |
| VehDyn AutoCntrLoSpd M str.CntrWindow HwDeg f32 | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 0 |
| | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | · |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1600 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 2.51327106e-006 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1600 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 2.51327106e-006 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 0 |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | -1600 |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 |
| VehDyn_Initialize_Cnt_M_lgc | 0 |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 |
| VehDyn_MaxOffset_HwDeg_M_f32 | -2840 |
| VehDyn_MinOffset_HwDeg_M_f32 | -1440.10999 |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | -18.7999992 |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 2.51327106e-006 |
| VehDyn SLPHwAuth Uls M f32 | 0 |
| VehDyn SLPHwPos HwDeg M f32 | -1600 |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 0 |
| k_HiSpdVDAuthority_Uls_f32 | 0 |
| k HwTqMgnThd HwNm f32 | 0 |
| k_LoSpdVDAuthority_Uls_f32 | 0 |
| k SrlHwAqVldTiThd mS u32 | 0 |
| | 1 |
| k_SysKinRatio_MtrDegpHwDeg_f32 | |
| k_TravelXCDeadband_Uls_f32 | 0 |
| k_TravelXCHwAuthority_Uls_f32 | 0 |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 0 |
| target_GetSystemTime_mS_u32_CurrentTime | 0 |
| target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed | |
| $target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u322_CurrentTime_ms_u322_CurrentTime_ms_u322_CurrentTime_ms_u322_CurrentTime_$ | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_Uls_f32 |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAgVld_Cnt_Igc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 |
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|------------------------------------------------------------------|------------------------------|-----------------------|----------|
| Name | Input Value | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc | target_VehDyn_Per1_VehicleSp | needValid Cnt Igc | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSp | | |
| target VehDyn Per1 CcwEOT HwDeg f32.value | -1440.10999 | _ · _ | |
| target VehDyn Per1 CwEOT HwDeg f32.value | 360 | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | 0 | | |
| target VehDyn Per1 MotorVelCRF MtrRadpS f32.value | -1118 | | |
| target VehDyn Per1 RelHwPos HwDeg f32.value | 0 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 0 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | -1600 | | |
| target VehDyn Per1 TorqueCmdCRF MtrNm f32.value | -8.80000019 | | |
| target VehDyn Per1 VehicleSpeedValid Cnt Igc.value | 0 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 0 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 0 | 0 | ~ |
| VehDyn AutoCntrDetSpd M str.Timer1 mS u32 | 0 | 0 | ✓ |
| VehDyn AutoCntrDetSpd M str.Timer2 mS u32 | 0 | 0 | |
| VehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32 | -1600 | -1600 ± 0.009 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1600 | -1600 ± 0.009 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | _ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | |
| VehDyn AutoCntrHiSpd M str.Timer1 mS u32 | 0 | 0 | ✓ |
| VehDyn AutoCntrHiSpd M str.Timer2 mS u32 | 0 | 0 | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1600 | -1600 ± 0.009 | ✓ |
| VehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32 | -1600 | -1600 ± 0.009 | · |
| VehDyn AutoCntrHiSpd M str.Filter1Enable Cnt Igc | 0 | 0 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | - |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 0 | 0 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 0 | 0 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1600 | -1600 ± 0.009 | ✓ |
| VehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32 | -1600 | -1600 ± 0.009 | · |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn AutoCntrLoSpd M str.Filter2Enable Cnt lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | - |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 | 0 | ✓ |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | ✓ |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 | 0 | ✓ |
| VehDyn_MaxOffset_HwDeg_M_f32 | 360 | 360 | · |
| VehDyn_MinOffset_HwDeg_M_f32 | -1440.10999 | -1440.10999 | • |
| VehDyn_PinTrqSV_M_str.SV_UIs_f32 | -18.7999744 | -18.7999744 ± 0.00009 | - |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 0 | 0 | ✓ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 0 | 0 ± 0.004 | ~ |
| · · · · · · · · · · · · · · · · · · · | | | |

| T | | | | |
|----------------------------------------------------|-------|----------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |

-1600 ± 0.1

0 -1600

| Test Step 2.26 (Repeat Count = 1) | | |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|--|
| Name | Input Value | |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime | |
| GetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime | |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime | |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime | |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn | |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 | |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 124.300003 | |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 226.300003 | |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 6.30000019 | |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 96.3000031 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 33198 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 7778 | |

target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value



| Name | Input Value |
|----------------------------------------------------------------------|------------------------------------------------|
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 2553156835 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 3174948758 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -559.150024 |
| | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000696000003 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -559.150024 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000696000003 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 662.099976 |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 236 |
| VehDyn AutoCntrHiSpd M str.FiltPinTrg HwNm f32 | 8.30000019 |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 32.2999992 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 21335 |
| | 34188 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 2553156835 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 3174948758 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 969.01001 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000940600003 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1081.09998 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000826000003 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 124.199997 |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 226.100006 |
| | 6.19999981 |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 96.099985 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 33198 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 7778 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 2553156835 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 3174948758 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -177.479996 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 3.41999985e-005 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -177.479996 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000696000003 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| VehDyn AutoCntrLoSpd M str.Filter2Enable Cnt Igc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 1 |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | 697.789978 |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 |
| VehDyn_Initialize_Cnt_M_lgc | 0 |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 |
| VehDyn_MaxOffset_HwDeg_M_f32 | 483.973999 |
| VehDyn_MinOffset_HwDeg_M_f32 | -1285.422 |
| VehDyn_PinTrqSV_M_str.SV_UIs_f32 | 6.30000019 |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000273999991 |
| VehDyn SLPHwAuth Uls M f32 | 0.64200002 |
| VehDyn_SLPHwPos_HwDeg_M_f32 | -1353.17004 |
| VeriDyn_StPHWP0S_HWDeg_M_IS2 VehDyn_SrlHwAqVldTimer_mS_M_u32 | 1662097408 |
| 7 = 0 = = = | |
| k_HiSpdVDAuthority_Uls_f32 | 1 |
| k_HwTqMgnThd_HwNm_f32 | 5.25 |
| k_LoSpdVDAuthority_Uls_f32 | 0.870000005 |
| k_SrlHwAgVldTiThd_mS_u32 | 91986 |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 32.5 |
| k_TravelXCDeadband_Uls_f32 | 34.3699989 |
| k_TravelXCHwAuthority_Uls_f32 | 0.043575 |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 3304439296 |
| target_GetSystemTime_mS_u32_CurrentTime | 3494315776 |
| target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed | |
| | |
| target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTim | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_Uls_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAgVld_Cnt_lgc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc |
| ggvid_oni_ig | - 2-5 webit enferming networks |



| Name | Input Value | | |
|---------------------------------------------------------------------------------------------------------|----------------------------------------------|----------------------|----------|
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_H | lwDeg_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc | target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph_f32 | | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -1294.17004 | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 626.101013 | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | 7.51000023 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | -425.213989 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | 448.5 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 0 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | -1353.17004 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | 5.5999999 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 0 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 354.769989 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn AutoCntrDetSpd M str.Timer1 mS u32 | 2553156835 | 2553156835 | ~ |
| VehDyn AutoCntrDetSpd M str.Timer2 mS u32 | 3174948758 | 3174948758 | _ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -559.150024 | -559.150024 ± 0.0009 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -559.150024 | -559.150024 ± 0.0009 | ~ |
| VehDyn AutoCntrDetSpd M str.Filter1Enable Cnt lgc | 1 | 1 | ~ |
| VehDyn AutoCntrDetSpd M str.Filter2Enable Cnt lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | _ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | _ |
| VehDyn AutoCntrHiSpd M str.Timer1 mS u32 | 3494315776 | 3494315776 | _ |
| VehDyn AutoCntrHiSpd M str.Timer2 mS u32 | 3174948758 | 3174948758 | _ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 969.01001 | 969.01001 ± 0.0009 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1081.09998 | -1081.09998 ± 0.009 | |
| VehDyn AutoCntrHiSpd M str.Filter1Enable Cnt lgc | 0 | 0 | · |
| VehDyn AutoCntrHiSpd M str.Filter2Enable Cnt lgc | 0 | 0 | |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn AutoCntrHiSpd M str.Filter2Initialized Cnt lgc | 1 | 1 | |
| VehDyn AutoCntrLoSpd M str.Timer1 mS u32 | 3494315776 | 3494315776 | _ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 3174948758 | 3174948758 | |
| VehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32 | -177.479996 | -177.479996 ± 0.0009 | |
| VehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32 | -177.479996 | -177.479996 ± 0.0009 | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | _ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | · |
| VehDyn AutoCntrLoSpd M str.Filter2Initialized_Cnt_lgc | 0 | 0 | |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 | 0 | |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | |
| VehDyn_Initialize_Cht_w_igc VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 | 0 | |
| VehDyn_Looput_came_one_w_igc VehDyn_MaxOffset_HwDeg_M_f32 | 626.101013 | 626.101013 | |
| VehDyn MinOffset HwDeg M f32 | -1294.17004 | -1294.17004 | - j |
| VenDyn_MinOriset_nwDeg_M_132 VenDyn_PinTrqSV_M_str.SV_UIs_f32 | 6.3003788 | 6.3003788 ± 0.000009 | |
| | 1662097408 | 1662097408 | - V |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 target VehDyn Per1 SensorlessAuthority Uls f32.value | 1 | 1 ± 0.004 | |
| target_venDyn_Per1_SensoriessAuthority_ois_isz.value target_VehDyn_Per1_SensoriessHwPos_HwDeg_f32.value | -249.289978 | -249.289993 ± 0.1 | |
| LAIGEL VEHIDVII FELL SELISULIESSITWFUS TWIDEU ISZ.VAIUE | -243.203310 | -249.209993 ± U. I | ~ |

| T | | | | |
|----------------------------------------------------|-------|----------------------------------------------------|-------|--------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | • |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | • |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | • |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |

| Test Step 2.27 (Repeat Count = 1) | | |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|--|
| Name | Input Value | |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime | |
| GetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime | |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime | |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime | |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn | |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 | |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 138.100006 | |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 236.100006 | |



| Name | Input Value |
|-----------------------------------------------------------------------|----------------------------------------------------|
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 8.1000038 |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 32.099985 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 21335 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 34188 |
| | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 2760420809 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 3382212733 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 933.469971 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000698000018 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 933.469971 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000698000018 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| VehDyn AutoCntrDetSpd M str.Filter2Enable Cnt lgc | 0 |
| VehDyn AutoCntrDetSpd M str.Filter1Initialized Cnt Igc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| | 124 |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 246.100006 |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 10 |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 52 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 29076 |
| /ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 43868 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 2760420809 |
| VehDyn AutoCntrHiSpd M str.Timer2 mS u32 | 3382212733 |
| VehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32 | -1397.33997 |
| | 0.000981300022 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 448.100006 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000828000018 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 138.100006 |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 236.199997 |
| | |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 8.1000038 |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 32.2099991 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 21335 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 34188 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 2760420809 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 3382212733 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 731.700012 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 3.46000015e-005 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 731.700012 |
| | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000698000018 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 1 |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | 797.700012 |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 |
| | |
| VehDyn_Initialize_Cnt_M_lgc | 0 |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 |
| VehDyn_MaxOffset_HwDeg_M_f32 | 488.966003 |
| VehDyn_MinOffset_HwDeg_M_f32 | -1278.73804 |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 15.1999998 |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000274999999 |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.626999974 |
| VehDyn_SLPHwPos_HwDeg_M_f32 | -1342.91003 |
| | 4243378688 |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | |
| k_HiSpdVDAuthority_UIs_f32 | 0 |
| k_HwTqMgnThd_HwNm_f32 | 1.10000002 |
| k_LoSpdVDAuthority_Uls_f32 | 0.200000003 |
| <_SrlHwAgVldTiThd_mS_u32 | 12 |
| x_SysKinRatio_MtrDegpHwDeg_f32 | 52.0999985 |
| <pre>c_TravelXCDeadband_Uls_f32</pre> | 35.8100014 |
| k TravelXCHwAuthority Uls f32 | 0.0447999984 |
| | |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 2167769344 |
| target_GetSystemTime_mS_u32_CurrentTime | 463842816 |
| arget_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedT | |
| target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime | 4243378688 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 |
| govoovp_vonDynvonDyn_r or r_wotorvolotx _withtaupo_lo2 | wast_1.5.12 yii_i oi i_inioii voioiii_mmitadpo_ioz |



| Name | Input Value | | | |
|-------------------------------------------------------------------|------------------------------------------------|----------------------|-------|--|
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwD | 0eg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_Uls_f32 | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPe | os_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDe | g_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF | _MtrNm_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc | target_VehDyn_Per1_VehicleSpeedVa | alid_Cnt_lgc | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_k | (ph_f32 | | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -1287.91003 | | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 637.007996 | | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | 7.55000019 | | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | 752.820007 | | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | -157.490005 | | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 0 | | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | -1342.91003 | | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | -4.5999999 | | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 1 | | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 452.869995 | | | |
| Name | Actual Value | Expected Value | Resul | |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 | 1 | | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 2760420809 | 2760420809 | | |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 3382212733 | 3382212733 | | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 933.469971 | 933.469971 ± 0.0009 | | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 933.469971 | 933.469971 ± 0.0009 | | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | | |
| VehDyn AutoCntrDetSpd M str.Filter2Enable Cnt lgc | 0 | 0 | | |
| VehDyn AutoCntrDetSpd M str.Filter1Initialized Cnt lqc | 1 | 1 | | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | | |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 463842816 | 463842816 | | |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 3382212733 | 3382212733 | | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1397.33997 | -1397.33997 ± 0.009 | | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 448.100006 | 448.100006 ± 0.0009 | | |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | | |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | | |
| VehDyn AutoCntrHiSpd M str.Filter1Initialized Cnt Igc | 1 | 1 | | |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 2760420809 | 2760420809 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 3382212733 | 3382212733 | ٠, | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 | 731.700012 | 731.700012 ± 0.0009 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 731.700012 | 731.700012 ± 0.0009 | | |
| VehDyn AutoCntrLoSpd M str.Filter1Enable Cnt lgc | 1 | 1 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | | |
| VehDyn HiSpdLearnt Cnt M Igc | 1 | 1 | | |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | | |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | 1 | | |
| VehDyn_MaxOffset_HwDeg_M_f32 | 637.007996 | 637.007996 | | |
| VehDyn_MinOffset_HwDeg_M_f32 | -1287.91003 | -1287.91003 | | |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 15.1978722 | 15.1978722 ± 0.00009 | | |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 4243378688 | 4243378688 | | |
| target VehDyn Per1 SensorlessAuthority Uls f32.value | 1 | 1 ± 0.004 | | |
| target VehDyn Per1 SensorlessHwPos HwDeg f32.value | -955.190002 | -955.190002 ± 0.1 | | |

| T | | | | ✓ |
|----------------------------------------------------|-------|----------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | • |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | • |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | • |
| Rte Call VehDyn Per1 CP1 CheckpointReached | 1 | Rte Call VehDyn Per1 CP1 CheckpointReached | 1 | _ |

| Test Step 2.28 (Repeat Count = 1) | v v v v v v v v v v v v v v v v v v v |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|
| Name | Input Value |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| GetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 |



| | (|
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|
| Name | Input Value |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 86 |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 246 |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 10 |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 52 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 29076 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 43868 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 2967684784 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 3589476707 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -174.199997 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000699999975 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -174.199997 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000699999975 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 138 |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 84.5 |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 12.1000004 |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 72 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 32821 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 53946 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 2967684784 |
| VehDyn AutoCntrHiSpd M str.Timer2 mS u32 | 3589476707 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -174.199997 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.00102199998 |
| VehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32 | -174.199997 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000829999975 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 86.1999969 |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 246.100006 |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 10.199998 |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 52.0999985 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 29076 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 43868 |
| VehDyn AutoCntrLoSpd M str.Timer1 mS u32 | 2967684784 |
| VehDyn AutoCntrLoSpd M str.Timer2 mS u32 | 3589476707 |
| VehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32 | -174.199997 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_UIs_f32 | 3.5000009e-005 |
| VehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32 | -174.199997 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000699999975 |
| VehDyn AutoCntrLoSpd M str.Filter1Enable Cnt Igc | 0 |
| VehDyn AutoCntrLoSpd M str.Filter2Enable Cnt Igc | 1 |
| VehDyn AutoCntrLoSpd M str.Filter1Initialized Cnt Igc | 1 |
| VehDyn AutoCntrLoSpd M str.Filter2Initialized Cnt Igc | 0 |
| · - · · | 1 |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | 897.609985 |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 1 |
| VehDyn_Initialize_Cnt_M_lgc | 0 |
| VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn MaxOffset HwDeg M f32 | • |
| 7 = | 493.958008 |
| VehDyn_MinOffset_HwDeg_M_f32 | -1272.05396 |
| VehDyn_PinTrqSV_M_str.SV_UIs_f32 | 0.000376000006 |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000276000006 |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.611999989 |
| VehDyn_SLPHwPos_HwDeg_M_f32 | -1332.65002 |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 2127166208 |
| k_HiSpdVDAuthority_Uls_f32 | 1 |
| k_HwTqMgnThd_HwNm_f32 | 1.20000005 |
| k_LoSpdVDAuthority_Uls_f32 | 0.649999976 |
| k_SrlHwAgVldTiThd_mS_u32 | 45 |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 1 |
| k_TravelXCDeadband_Uls_f32 | 37.25 |
| k_TravelXCHwAuthority_Uls_f32 | 0.0460250005 |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 3714197504 |
| target_GetSystemTime_mS_u32_CurrentTime | 1759885568 |
| $target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseD$ | 3494315776 |
| $target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime$ | 2127166208 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 |
| | |



| Name | Input Value | | |
|-------------------------------------------------------------------------------------------------------------------|------------------------------------|----------------------|----------|
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNi | n_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_M | trRadpS_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDe | eg_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAutho | rity_Uls_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPo | s_HwDeg_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc | target_VehDyn_Per1_SrlHwAgVld_Cnt | _lgc | |
| target Rte Inst Ap VehDyn.VehDyn Per1 SrlHwAg HwDeg f32 | target VehDyn Per1 SrlHwAg HwDeo | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF | MtrNm_f32 | |
| target Rte Inst Ap VehDyn.VehDyn Per1 VehicleSpeedValid Cnt Igc | target_VehDyn_Per1_VehicleSpeedVal | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_K | | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -1281.65002 | _ | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 647.914978 | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | 7.59000015 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | -158.410004 | | |
| target VehDyn Per1 RelHwPos HwDeg f32.value | -174.199997 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 1 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | -1332.65002 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | -4.9000001 | | |
| target VehDyn Per1 VehicleSpeedValid Cnt Igc.value | 0 | | |
| target VehDyn Per1 VehicleSpeed Kph f32.value | 423.23999 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn AllowHiSpdAutoCntr Cnt M Igc | 1 | 1 | - Toodit |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 2967684784 | 2967684784 | · |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 3589476707 | 3589476707 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -174.199997 | -174.199997 ± 0.0009 | _ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -174.199997 | -174.199997 ± 0.0009 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | · |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 1759885568 | 1759885568 | |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 3589476707 | 3589476707 | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -174.199997 | -174.199997 ± 0.0009 | _ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -174.199997 | -174.199997 ± 0.0009 | |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | _ |
| | 0 | 0 | |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | |
| VehDyn AutoCntrHiSpd M str.Filter2Initialized Cnt Igc | 1 | 1 | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 1759885568 | 1759885568 | |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 3589476707 | 3589476707 | |
| | -174.199997 | -174.199997 ± 0.0009 | _ |
| VehDyn_AutoCntrloSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lqc | -174.199997 | -174.199997 ± 0.0009 | |
| , = , = = = = = = = = = = = = = = = = = | 0 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | Ž |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | Ž |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 | 0 | |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | ✓ |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 | 0 | V |
| VehDyn_MaxOffset_HwDeg_M_f32 | 493.958008 | 493.958008 | ✓ |
| VehDyn_MinOffset_HwDeg_M_f32 | -1107.45007 | -1107.44995 | Y |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 13.9968786 | 13.9968786 ± 0.00009 | Y |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 2127166208 | 2127166208 | Y |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 1 | 1 ± 0.004 | Y |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | -1071.80994 | -1071.81006 ± 0.1 | ✓ |

| T | | | | ✓ |
|----------------------------------------------------|-------|----------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | • |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | • |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | • |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Rte Call VehDyn Per1 CP1 CheckpointReached | 1 | Rte Call VehDyn Per1 CP1 CheckpointReached | 1 | - |

| Test Step 2.29 (Repeat Count = 1) | ✓ |
|--------------------------------------|--------------------------------------------|
| Name | Input Value |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| GetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |



| Name | Input Value |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 44.2999992 |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 84.3000031 |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 12.3000002 |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 72.3000031 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 32821 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 53946 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 3174948758 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 3796740682 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -475.299988 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.00070199999 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -475.299988 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.00070199999 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 86.3000031 |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 64 |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 14.5 |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 92.099985 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | |



| Name | Input Value | | | |
|-----------------------------------------------------------------------|---------------------------------------------|-----------------------|----------|--|
| target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedT | | | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime | | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f32 | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f3 | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_U | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_Hv | vDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_MtrN | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc | target_VehDyn_Per1_VehicleSpeedValid_Ci | nt_lgc | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph_f3 | 32 | | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -1275.39001 | | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 658.822021 | | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | 7.63000011 | | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | 753.549988 | | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | -475.299988 | | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 1 | | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | -1322.39001 | | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | -1.89999998 | | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 1 | | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 62.8899994 | | | |
| Name | Actual Value | Expected Value | Result | |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 | 1 | ~ | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 3174948758 | 3174948758 | • | |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 3796740682 | 3796740682 | ~ | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -475.299988 | -475.299988 ± 0.0009 | ✓ | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -475.299988 | -475.299988 ± 0.0009 | • | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | • | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | • | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ✓ | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ✓ | |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 1662097408 | 1662097408 | ✓ | |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 3796740682 | 3796740682 | • | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -475.299988 | -475.299988 ± 0.0009 | • | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -475.299988 | -475.299988 ± 0.0009 | • | |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ~ | |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ~ | |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ✓ | |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ~ | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 3174948758 | 3174948758 | ~ | |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 3796740682 | 3796740682 | - | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -475.299988 | -475.299988 ± 0.0009 | ~ | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -475.299988 | -475.299988 ± 0.0009 | ~ | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | • | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | - | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | - | |
| VehDyn AutoCntrLoSpd M str.Filter2Initialized Cnt Igc | 1 | 1 | - | |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 | 1 | - | |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | - | |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | 1 | - | |
| VehDyn_MaxOffset_HwDeg_M_f32 | 498.950012 | 498.950012 | - | |
| VehDyn_MinOffset_HwDeg_M_f32 | -800.090027 | -800.090027 | - | |
| VehDyn_PinTrqSV_M_str.SV_UIs_f32 | 8.89964294 | 8.89964294 ± 0.000009 | - | |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 4243378688 | 4243378688 | - | |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 0.597000003 | 0.597000003 ± 0.004 | | |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | -1600 | -1600 ± 0.1 | - | |
| go shipyii_i or i_oonoonooonwi oo_nwbog_loz.value | .000 | .000 ± 0.1 | _ | |

| T | | | | ✓ |
|----------------------------------------------------|-------|----------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | • |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | • |
| Rte Call VehDyn Per1 CP1 CheckpointReached | 1 | Rte Call VehDyn Per1 CP1 CheckpointReached | 1 | _ |



| Fest Step 2.30 (Repeat Count = 1) | Input Value |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|
| Name | Input Value |
| OtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| SetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| tte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| /ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 |
| /ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 96.4000015 |
| /ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 64.4000015 |
| /ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 14.3999996 |
| /ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 92.4000015 |
| /ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 40437 |
| /ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 13059 |
| /ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 3382212733 |
| /ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 4004004656 |
| /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -157.490005 |
| /ehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32 | 0.000704000005 |
| /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -157.490005 |
| /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000704000005 |
| /ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| · - · · | 1 |
| /ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| /ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | |
| /ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| /ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 44 |
| /ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 52.099985 |
| /ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 16.1000004 |
| /ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 10.3999996 |
| /ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 2291 |
| /ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 58929 |
| /ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 3382212733 |
| /ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 4004004656 |
| /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -157.490005 |
| /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.00110340002 |
| /ehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32 | -157.490005 |
| /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000834000006 |
| /ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| /ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| /ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| /ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_Igc | 1 |
| | |
| /ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 96.1999969 |
| /ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 64.4000015 |
| /ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 14.5 |
| /ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 92.4000015 |
| /ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 40437 |
| /ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 13059 |
| /ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 3382212733 |
| /ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 4004004656 |
| /ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -157.490005 |
| /ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 3.57999998e-005 |
| /ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -157.490005 |
| /ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000704000005 |
| /ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| /ehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| /ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| /ehDyn AutoCntrLoSpd M str.Filter2Initialized Cnt lgc | 0 |
| /ehDyn ForceCenterEnabled Cnt M Igc | 0 |
| /ehDyn ForceCenterOffset HwDeg M f32 | 1097.43005 |
| /ehDyn_HiSpdLearnt_Cnt_M_lgc | 0 |
| enbyn_nispacearm_cm_migc /ehDyn Initialize Cnt M lgc | 0 |
| · · | 0 |
| /ehDyn_LoSpdLearnt_Cnt_M_lgc | |
| /ehDyn_MaxOffset_HwDeg_M_f32 | 503.941986 |
| /ehDyn_MinOffset_HwDeg_M_f32 | -1258.68604 |
| /ehDyn_PinTrqSV_M_str.SV_Uls_f32 | 13.8999996 |
| /ehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000277999992 |
| /ehDyn_SLPHwAuth_Uls_M_f32 | 0.582000017 |
| ehDyn_SLPHwPos_HwDeg_M_f32 | -1312.13 |
| /ehDyn_SrlHwAgVldTimer_mS_M_u32 | 1050692864 |
| :_HiSpdVDAuthority_Uls_f32 | 1 |
| : HwTqMgnThd HwNm f32 | 0.00120000006 |
| :_LoSpdVDAuthority_Uls_f32 | 0.879999995 |
| | 112 |
| c_SrlHwAgVldTiThd_mS_u32 | |



| Name | Input Value | | | | |
|--------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|------------------------------------------------|----------|--|--|
| k TravelXCDeadband Uls f32 | 40.1300011 | | | | |
| k_TraveIXCHwAuthority_Uls_f32 | 0.048475001 | | | | |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 71426560 | | | | |
| target GetSystemTime mS u32 CurrentTime | 2127166208 | | | | |
| target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedTi | 11 11 | | | | |
| | | | | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime | | | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 | 2 | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 | 0 | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f3 | arget_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | | | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f3 | | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | arget_VehDyn_Per1_SensorlessAuthority_Uls_f32 arget_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | | wDeg_f32 | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc | | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 | | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_Mtrl | | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc | target_VehDyn_Per1_VehicleSpeedValid_C | | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph_f3 | 52 | | | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -1269.13 | | | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 669.729004 | | | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | 7.67000008 | | | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | 159.360001 | | | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | -157.490005 | | | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 0 | | | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | -1312.13 | | | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | 8.19999981 | | | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 0 | | | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 123.330002 | | | | |
| Name | Actual Value | Expected Value | Result | | |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 | 1 | ~ | | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 3382212733 | 3382212733 | ~ | | |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 4004004656 | 4004004656 | ~ | | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -157.490005 | -157.490005 ± 0.0009 | ~ | | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -157.490005 | -157.490005 ± 0.0009 | ~ | | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | ~ | | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ~ | | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ~ | | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ~ | | |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 2127166208 | 2127166208 | ~ | | |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 4004004656 | 4004004656 | ~ | | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -157.490005 | -157.490005 ± 0.0009 | ~ | | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -157.490005 | -157.490005 ± 0.0009 | ~ | | |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ~ | | |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ~ | | |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ~ | | |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ~ | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 2127166208 | 2127166208 | ~ | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 4004004656 | 4004004656 | ~ | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -157.490005 | -157.490005 ± 0.0009 | ~ | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -157.490005 | -157.490005 ± 0.0009 | ~ | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ~ | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ~ | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ~ | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ~ | | |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 | 0 | ~ | | |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | ~ | | |
| | | 0 | ✓ | | |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 | | | | |
| VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32 | 669.729004 | 669.729004 | ✓ | | |
| 7 - 7 | | 1 | ✓ ✓ | | |
| VehDyn_MaxOffset_HwDeg_M_f32 | 669.729004 | 669.729004 | | | |
| VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32 | 669.729004 -1269.13 | 669.729004 -1269.13 | • | | |
| VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32 VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 669.729004 -1269.13 13.8983126 | 669.729004 -1269.13 13.8983135 ± 0.00009 | • | | |



| Τ | | | | V |
|----------------------------------------------------|-------|----------------------------------------------------|-------|--------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | • |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |

| est Step 2.31 (Repeat Count = 1) ame | Input Value |
|------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|
| trmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| etSystemTime mS u32(CurrentTime) | target GetSystemTime mS u32 CurrentTime |
| | |
| te_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| te_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| te_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 |
| ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 400.100006 |
| ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 116.099998 |
| ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 10.1000004 |
| ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 54.0999985 |
| ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 53759 |
| ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 18715 |
| ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 2160073393 |
| ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 1024 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1459.40002 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000747999991 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1459.40002 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000747999991 |
| ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 34 |
| ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 79.0999985 |
| ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 5 |
| ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 63 |
| ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 60000 |
| ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 26195 |
| ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 2160073393 |
| ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 1024 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1459.40002 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000547999982 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1459.40002 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000877999992 |
| ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 400.799988 |
| ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 116.900002 |
| ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 10.8000002 |
| ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 54.9000015 |
| ehDyn AutoCntrLoSpd M str.Timer1Thresh mS u16 | 53759 |
| ehDyn AutoCntrLoSpd M str.Timer2Thresh mS u16 | 18715 |
| ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 2160073393 |
| ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 1024 |
| ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1459.40002 |
| ehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32 | 4.46000013e-005 |
| chDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32 | -1459.40002 |
| hDyn_AutoCntrLoSpd_M_str.ReiHwPosFilt2SV_HwDeg_str.Sv_Uis_f32 | 0.000747999991 |
| ehDyn AutoCnttLoSpd M str.Filter1Enable Cnt lgc | 1 |
| enDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_igc ehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_igc | |
| enDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_igc ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_igc | 0 0 |
| | 1 |
| ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | |
| ehDyn_ForceCenterEnabled_Cnt_M_lgc | 1 |
| ehDyn_ForceCenterOffset_HwDeg_M_f32 | 98.3300018 |
| ehDyn_HiSpdLearnt_Cnt_M_lgc | 1 |



| Name | Input Value | | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | | |
| VehDyn_MaxOffset_HwDeg_M_f32 | 613.765991 | | |
| VehDyn_MinOffset_HwDeg_M_f32 | -1111.63794 | | |
| VehDyn_PinTrqSV_M_str.SV_UIs_f32 | 3.20000005 | | |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000371000002 | | |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.252000004 | | |
| VehDyn_SLPHwPos_HwDeg_M_f32 | -1086.41003 | | |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 2659241984 | | |
| k_HiSpdVDAuthority_Uls_f32 | 2.0999999 | | |
| k_HwTqMgnThd_HwNm_f32 k_LoSpdVDAuthority_Uls_f32 | 2.0999999 | | |
| k_CospavDAuthority_Ois_132 k_SrlHwAgVldTiThd_mS_u32 | 45 | | |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 22 | | |
| k_TravelXCDeadband_Uls_f32 | 71.8099976 | | |
| k_TravelXCHwAuthority_Uls_f32 | 0.075424999 | | |
| target DtrmnElapsedTime mS u32 ElapsedTime | 3524313344 | | |
| target_GetSystemTime_mS_u32_CurrentTime | 1358028288 | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedT | | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime | | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32 | target VehDyn Per1 CcwEOT HwDeg f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f32 | 2 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRad | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f3 | 2 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_U | Jls_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_Hv | /Deg_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_MtrN | lm_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc | target_VehDyn_Per1_VehicleSpeedValid_C | nt_lgc | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph_f3 | 2 | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -1131.41003 | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 909.682983 | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | -9.48999977 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | 1100.64001 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | -1459.40002 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 1 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | -1086.41003 5.5999999 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | 1 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 45.3699989 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn AllowHiSpdAutoCntr Cnt M Igc | 1 | 1 | result |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 2160073393 | 2160073393 | |
| VehDyn AutoCntrDetSpd M str.Timer2 mS u32 | 1024 | 1024 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1459.40002 | -1459.40002 ± 0.009 | - |
| VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32 | -1459.40002 | -1459.40002 ± 0.009 | |
| VehDyn AutoCntrDetSpd M str.Filter1Enable Cnt lgc | | | → |
| | 0 | | • |
| VehDyn AutoCntrDetSpd M str.Filter2Enable Cnt lgc | 0 | 0 0 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | | 0 | - |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 0 1 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 1 1 | 0 0 1 1 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 0 1 1 1 1358028288 | 0 0 1 1 1358028288 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 0 1 1 1 1358028288 1024 | 0 0 1 1 1358028288 1024 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 0 1 1 1 1358028288 1024 -1459.40002 | 0 0 1 1 1 1358028288 1024 -1459.40002 ± 0.009 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 0 1 1 1358028288 1024 -1459.40002 -1459.40002 | 0 0 1 1 1358028288 1024 -1459.40002 ± 0.009 -1459.40002 ± 0.009 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 1 1 1358028288 1024 -1459.40002 -1459.40002 | 0 0 1 1 1358028288 1024 -1459.40002 ± 0.009 -1459.40002 ± 0.009 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 1 1 1358028288 1024 -1459.40002 -1459.40002 0 | 0 0 1 1 1358028288 1024 -1459.40002 ± 0.009 -1459.40002 ± 0.009 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 1 1 1358028288 1024 -1459.40002 -1459.40002 0 1 | 0 0 1 1 1358028288 1024 -1459.40002 ± 0.009 -1459.40002 ± 0.009 0 1 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 1 1 1358028288 1024 -1459.40002 -1459.40002 0 1 | 0 0 1 1 1358028288 1024 -1459.40002 ± 0.009 -1459.40002 ± 0.009 0 1 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 0 1 1 1 1358028288 1024 -1459.40002 -1459.40002 0 1 1 1 0 2160073393 1024 -1459.40002 | 0 0 1 1 1358028288 1024 -1459.40002 ± 0.009 -1459.40002 ± 0.009 0 1 1 0 2160073393 1024 -1459.40002 ± 0.009 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Rimer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 | 0 1 1 1358028288 1024 -1459.40002 -1459.40002 0 1 1 1 0 2160073393 1024 -1459.40002 -1459.40002 | 0 0 1 1 1358028288 1024 -1459.40002 ± 0.009 -1459.40002 ± 0.009 0 1 1 0 2160073393 1024 -1459.40002 ± 0.009 -1459.40002 ± 0.009 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 1 1 1 1358028288 1024 -1459.40002 -1459.40002 0 1 1 0 2160073393 1024 -1459.40002 -1459.40002 | 0 0 1 1 1358028288 1024 -1459.40002 ± 0.009 -1459.40002 ± 0.009 0 1 1 0 2160073393 1024 -1459.40002 ± 0.009 -1459.40002 ± 0.009 1 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 1 1 1 1358028288 1024 -1459.40002 -1459.40002 0 1 1 0 2160073393 1024 -1459.40002 -1459.40002 1 0 | 0 0 1 1 1 1358028288 1024 -1459.40002 ± 0.009 0 1 1 0 2160073393 1024 -1459.40002 ± 0.009 -1459.40002 ± 0.009 -1459.40002 ± 0.009 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 1 1 1 1358028288 1024 -1459.40002 -1459.40002 0 1 1 0 2160073393 1024 -1459.40002 1 0 0 | 0 0 1 1 1 1358028288 1024 -1459.40002 ± 0.009 0 1 1 1 0 2160073393 1024 -1459.40002 ± 0.009 -1459.40002 ± 0.009 -1459.40002 ± 0.009 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter3Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter3Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter3Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter3Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 1 1 1 1358028288 1024 -1459.40002 -1459.40002 0 1 1 0 2160073393 1024 -1459.40002 -1459.40002 1 0 0 1 | 0 0 1 1 1 1358028288 1024 -1459.40002 ± 0.009 0 1 1 1 0 2160073393 1024 -1459.40002 ± 0.009 -1459.40002 ± 0.009 -1459.40002 ± 0.009 -1459.40002 ± 0.009 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Pinitalized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Pinitalized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Pinitalized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Silt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Pinitalized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Pinitalized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 1 1 1 1358028288 1024 -1459.40002 -1459.40002 0 1 1 0 2160073393 1024 -1459.40002 -1459.40002 1 0 0 1 1 1 | 0 0 1 1 1 1358028288 1024 -1459.40002 ± 0.009 0 1 1 0 2160073393 1024 -1459.40002 ± 0.009 -1459.40002 ± 0.009 1 0 0 1 1 1 0 1 1 1 1 1 1 1 1 1 1 1 1 1 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 1 1 1 1358028288 1024 -1459.40002 -1459.40002 0 1 1 0 2160073393 1024 -1459.40002 -1459.40002 1 0 0 1 1 1 1 | 0 0 1 1 1 1358028288 1024 -1459.40002 ± 0.009 0 1 1 0 2160073393 1024 -1459.40002 ± 0.009 -1459.40002 ± 0.009 -1459.40002 ± 0.009 1 0 0 1 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter3Initialized_Cnt_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 1 1 1 1358028288 1024 -1459.40002 -1459.40002 0 1 1 0 2160073393 1024 -1459.40002 -1459.40002 1 0 0 1 1 1 1 1 1 | 0 0 1 1 1 1358028288 1024 -1459.40002 ± 0.009 0 1 1 0 0 2160073393 1024 -1459.40002 ± 0.009 -1459.40002 ± 0.009 -1459.40002 ± 0.009 1 0 0 1 1 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter3Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter3Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter3Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter3Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter3Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter3Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter3Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter3Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter3Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc | 0 1 1 1 1358028288 1024 -1459.40002 -1459.40002 0 1 1 0 2160073393 1024 -1459.40002 -1459.40002 1 0 0 1 1 1 1 | 0 0 1 1 1 1358028288 1024 -1459.40002 ± 0.009 0 1 1 0 2160073393 1024 -1459.40002 ± 0.009 -1459.40002 ± 0.009 -1459.40002 ± 0.009 1 0 0 1 | |



| Name | Actual Value | Expected Value | Result |
|------------------------------------------------------|--------------|-------------------|----------|
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 2659241984 | 2659241984 | ✓ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 1 | 1 ± 0.004 | ✓ |
| target VehDyn Per1 SensorlessHwPos HwDeg f32.value | -1557.72998 | -1557.72998 ± 0.1 | ✓ |

| T | | | | ✓ |
|----------------------------------------------------|-------|----------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | • |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | • |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | • |

| lame | Input Value |
|---------------------------------------------------------------------------|--------------------------------------------------------------------------|
| | • |
| OtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| GetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| /ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 |
| /ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 100.099998 |
| ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 52.0999985 |
| ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 16.1000004 |
| ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 10.1000004 |
| ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 2291 |
| ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 58929 |
| ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 3589476707 |
| ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 4211268631 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -354.700012 |
| /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000706000021 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -354.700012 |
| /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000706000021 |
| /ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| /ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| /ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| /ehDyn AutoCntrHiSpd M str.MtrVel MtrRadpS f32 | 96.3000031 |
| /ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 34.099985 |
| /ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 18 |
| /ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 20.5 |
| /ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 38868 |
| /ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 57944 |
| /ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 3589476707 |
| /ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 4211268631 |
| | |
| /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -354.700012 |
| /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.00114409998 |
| /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -354.700012 |
| /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000836000021 |
| /ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 100.400002 |
| ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 52.5400009 |
| ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 16.5 |
| /ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 10.1999998 |
| /ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 2291 |
| /ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 58929 |
| /ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 3589476707 |
| ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 4211268631 |
| /ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -354.700012 |
| ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 3.61999992e-005 |
| ehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32 | -354.700012 |
| ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000706000021 |
| ehDyn AutoCntrLoSpd M str.Filter1Enable Cnt Igc | 1 |
| /ehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lqc | 0 |
| /ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| /ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| /ehDyn ForceCenterEnabled Cnt M Igc | 1 |
| /ehDyn_ForceCenterErlabled_Cht_M_igc /ehDyn_ForceCenterOffset HwDeg M f32 | 1197.33997 |



| Name | Input Value | |
|---------------------------------|-------------|--|
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 | |
| VehDyn_Initialize_Cnt_M_lgc | 0 | |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | |
| VehDyn_MaxOffset_HwDeg_M_f32 | 508.93399 | |
| VehDyn_MinOffset_HwDeg_M_f32 | -1252.00195 | |
| VehDyn_PinTrqSV_M_i .SV_ I _f32 | | |



| Name | Actual Value | Expected Value | Result |
|------------------------------------------------------|--------------|-----------------------|--------|
| VehDyn_MinOffset_HwDeg_M_f32 | -1262.87 | -1262.87 | ✓ |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | -18.7928352 | -18.7928352 ± 0.00009 | ✓ |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 3039943680 | 3039943680 | ✓ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 1 | 1 ± 0.004 | ✓ |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | -1552.04004 | -1552.04004 ± 0.1 | ✓ |

| T | | | | ✓ |
|----------------------------------------------------|-------|----------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |

| Fest Step 2.33 (Repeat Count = 1) | Janua Value |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|
| lame | Input Value |
| OtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| GetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| tte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| /ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 |
| /ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 86.300031 |
| /ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 52.2999992 |
| ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 16.2999992 |
| ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 78.3000031 |
| ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 32821 |
| ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 53946 |
| ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 2760420809 |
| ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 2760420809 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1081.09998 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000731999986 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1081.09998 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000731999986 |
| ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 566.099976 |
| ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 125.230003 |
| ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 11.3999996 |
| /ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 62.5 |
| /ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 12258 |
| /ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 36416 |
| /ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 2760420809 |
| /ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 2760420809 |
| /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1081.09998 |
| /ehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32 | 0.000531999976 |
| /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1081.09998 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000861999986 |
| ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| | 1 |
| ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | |
| /ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 86.300031 |
| ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 52.5999985 |
| ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 16.2999992 |
| /ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 6 |
| ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 32821 |
| ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 53946 |
| ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 2760420809 |
| ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 2760420809 |
| ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1081.09998 |
| ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 4.13999987e-005 |
| ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1081.09998 |
| ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000731999986 |
| ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| /ehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| /ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| /ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |



| | | (dec) | CHU |
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| Name | Input Value | | |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 1 | | |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | -700.950012 | | |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 | | |
| VehDyn_Initialize_Cnt_M_lgc | 1 | | |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | | |
| VehDyn_MaxOffset_HwDeg_M_f32 | 573.830017 | | |
| VehDyn_MinOffset_HwDeg_M_f32 | -1165.10999 | | |
| VehDyn_PinTrqSV_M_str.SV_UIs_f32 | 18.7999992 | | |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 VehDyn_SLPHwAuth_Uls_M_f32 | 0.000362999999 0.372000009 | | |
| VehDyn_SLPHwPos_HwDeg_M_f32 | -1168.48999 | | |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 5477 | | |
| k_HiSpdVDAuthority_Uls_f32 | 0 | | |
| k_HwTqMgnThd_HwNm_f32 | 1.5 | | |
| k_LoSpdVDAuthority_UIs_f32 | 1 | | |
| k_SrlHwAgVldTiThd_mS_u32 | 456 | | |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 75.0999985 | | |
| k_TravelXCDeadband_Uls_f32 | 60.2900009 | | |
| k_TravelXCHwAuthority_Uls_f32 | 0.065624997 | | |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 4180236544 | | |
| target_GetSystemTime_mS_u32_CurrentTime | 3304439296 | | |
| $target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mSu32_ElapsedTime_mSu32_ElapsedTime_mSu32_ElapsedTime_mSu32_ElapsedTime_mSu32_ElapsedTime_mSu32_ElapsedTime_mSu32_ElapsedTime_mSu32_ElapsedTime_mSu32_ElapsedTime_mSu32_ElapsedTime_mSu32_ElapsedTime_mSu32_ElapsedTime_mSu32_ElapsedTime_mSu32_ElapsedTime_mSu32_ElapsedTime_mSu32_ElapsedTime_mSu32_ElapsedTime_mSu32_ElapsedTime_mSu32_ElapsedTime_mSu32_ElapsedTime_mSu32_ElapsedTime_mSu32_ElapsedTime_mSu32_ElapsedTime_mSu32_ElapsedTime_mSu32_ElapsedTime_mSu32_ElapsedTime_mSu32_ElapsedTime_mSu32_ElapsedTime_mSu32_ElapsedTime_mSu32_ElapsedTime_mSu32_ElapsedTime_mSu32_ElapsedTime_mSu32_ElapsedTime_mSu32_ElapsedTime_mSu32_ElapsedTime_mSu32_ElapsedTime_mSu32_ElapsedTime_mSu32_ElapsedTime_mSu32_ElapsedTime_mSu32_ElapsedTime_mSu32_ElapsedTime_mSu32_ElapsedTime_mSu32_ElapsedTime_mSu32_ElapsedTime_mSu32_ElapsedTime_mSu32_ElapsedTime_mSu32_ElapsedTime_mSu32_ElapsedTime_mSu32_ElapsedTime_mSu32_ElapsedTime_mSu32_ElapsedTime_mSu32_ElapsedTime_mSu32_ElapsedTime_mSu32_ElapsedTime_mSu32_ElapsedTime_mSu32_ElapsedTime_mSu32_ElapsedTime_mSu32_ElapsedTime_mSu32_ElapsedTime_mSu32_ElapsedTime_mSu32_ElapsedTime_mSu32_ElapsedTime_mSu32_ElapsedTime_mSu32_ElapsedTime_mSu32_ElapsedTime_mSu32_ElapsedTime_mSu32_ElapsedTime_mSu32_ElapsedTime_mSu32_ElapsedTime_mSu32_ElapsedTime_mSu32_ElapsedTime_mSu32_ElapsedTime_mSu32_ElapsedTime_mSu32_ElapsedTime_mSu32_ElapsedTime_mSu32_ElapsedTime_mSu32_ElapsedTime_mSu32_ElapsedTime_mSu32_ElapsedTime_mSu32_ElapsedTime_mSu32_ElapsedTime_mSu32_ElapsedTime_mSu32_ElapsedTime_mSu32_ElapsedTime_mSu32_ElapsedTime_mSu32_ElapsedTime_mSu32_ElapsedTime_mSu32_ElapsedTime_mSu32_ElapsedTime_mSu32_ElapsedTime_mSu32_ElapsedTime_mSu32_ElapsedTime_mSu32_ElapsedTime_mSu32_ElapsedTime_mSu32_ElapsedTime_mSu32_ElapsedTime_mSu32_ElapsedTime_mSu32_ElapsedTime_mSu32_ElapsedTime_mSu32_ElapsedTime_mSu32_ElapsedTime_mSu32_ElapsedTime_mSu32_ElapsedTime_mSu32_ElapsedTime_mSu32_ElapsedTime_mSu32_ElapsedTime_mSu32_ElapsedTime_mSu32_ElapsedTime_mSu32_ElapsedTime_mSu32_Ela$ | 824746752 | | |
| $target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime$ | 5477 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRad | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f3 | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_U | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_Hw | /Deg_f32 | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAgVld_Cnt_Igc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 | Im. 622 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_MtrN | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeedValid_Cr target_VehDyn_Per1_VehicleSpeed_Kph_f3 | | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -1181.48999 | 2 | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 822.427002 | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | 7.03999996 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | -900.01001 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | -1081.09998 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 1 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | -1168.48999 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | 1.29999995 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 1 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 245.080002 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 | 1 | • |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 2760420809 | 2760420809 | • |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 2760420809 | 2760420809 | • |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1081.09998 | -1081.09998 ± 0.009 | • |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1081.09998 | -1081.09998 ± 0.009 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 3304439296 | 3304439296 | • |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 2760420809 | 2760420809 | • |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1081.09998 | -1081.09998 ± 0.009 | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1081.09998 | -1081.09998 ± 0.009 | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 2760420809 | 2760420809 | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 2760420809 | 2760420809 | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1081.09998 | -1081.09998 ± 0.009 | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1081.09998 | -1081.09998 ± 0.009 | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | • |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 | 1 | • |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | ~ |
| | | | |



| Name | Actual Value | Expected Value | Result |
|------------------------------------------------------|--------------|----------------------|----------|
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | 1 | ✓ |
| VehDyn_MaxOffset_HwDeg_M_f32 | 573.830017 | 573.830017 | ~ |
| VehDyn_MinOffset_HwDeg_M_f32 | -100.390015 | -100.389999 | ✓ |
| VehDyn_PinTrqSV_M_str.SV_UIs_f32 | 18.7957363 | 18.7957382 ± 0.00009 | ~ |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 5477 | 5477 | ✓ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 1 | 1 ± 0.004 | ✓ |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | -380.149963 | -380.149994 ± 0.1 | ~ |

| T | | | | V |
|----------------------------------------------------|-------|----------------------------------------------------|-------|--------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | • |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |

| Test Step 2.34 (Repeat Count = 1) | |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|
| Name | Input Value |
| OtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| GetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| /ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 |
| /ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 400.100006 |
| /ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 116.099998 |
| /ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 10.1000004 |
| /ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 54.0999985 |
| /ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 53759 |
| /ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 18715 |
| /ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 2160073393 |
| /ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 1024 |
| /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1459.40002 |
| /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000747999991 |
| /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1459.40002 |
| /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000747999991 |
| /ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| /ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| /ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| /ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| /ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 34 |
| /ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 79.0999985 |
| /ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 5 |
| /ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 63 |
| /ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 60000 |
| /ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 26195 |
| /ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 2160073393 |
| /ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 1024 |
| /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1459.40002 |
| /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000547999982 |
| /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1459.40002 |
| /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000877999992 |
| /ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| /ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| /ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| /ehDyn AutoCntrHiSpd M str.Filter2Initialized Cnt Igc | 0 |
| /ehDyn AutoCntrLoSpd M str.MtrVel MtrRadpS f32 | 400.799988 |
| /ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 116.900002 |
| /ehDyn AutoCntrLoSpd M str.FiltPinTrg HwNm f32 | 10.8000002 |
| /ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 54.9000015 |
| /ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 53759 |
| /ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 18715 |
| /ehDyn AutoCntrLoSpd M str.Timer1 mS u32 | 2160073393 |
| /ehDyn AutoCntrLoSpd M str.Timer2 mS u32 | 1024 |
| /ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1459.40002 |
| /ehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32 | 4.46000013e-005 |
| /ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1459.40002 |
| /ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000747999991 |
| /ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
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| Name | Input Value | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | | |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 1 | | |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | 98.3300018 | | |
| VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc | 1 | | |
| VehDyn LoSpdLearnt Cnt M Igc | 1 | | |
| VehDyn_MaxOffset_HwDeg_M_f32 | 613.765991 | | |
| VehDyn_MinOffset_HwDeg_M_f32 | -1111.63794 | | |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 0 | | |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000371000002 | | |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.252000004 | | |
| VehDyn_SLPHwPos_HwDeg_M_f32 | -1086.41003 | | |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 2659241984 | | |
| k_HiSpdVDAuthority_UIs_f32 | 2.0999999 | | |
| k_HwTqMgnThd_HwNm_f32 k_LoSpdVDAuthority_Uls_f32 | 1 | | |
| k_SrlHwAgVldTiThd_mS_u32 | 45 | | |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 45 | | |
| k_TravelXCDeadband_Uls_f32 | 71.8099976 | | |
| k_TraveIXCHwAuthority_UIs_f32 | 0.075424999 | | |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 3524313344 | | |
| target_GetSystemTime_mS_u32_CurrentTime | 1358028288 | | |
| $target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTim$ | 4077829376 | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime | | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 target_VehDyn_Per1_HwTorque_HwNm_f32 |) | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRad | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f3 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_U | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_Hv | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_MtrN | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc | target_VehDyn_Per1_VehicleSpeedValid_Ci | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph_f3 | 2 | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value | -1131.41003 909.682983 | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | -9.48999977 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | 1100.64001 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | -1459.40002 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 1 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | -1086.41003 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | 5.5999999 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 1 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 45.3699989 | I= | |
| Name | Actual Value | Expected Value | Resul |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 1 2160073393 | 1 2160073393 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 1024 | 1024 | |
| VehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32 | -1459.40002 | -1459.40002 ± 0.009 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1459.40002 | -1459.40002 ± 0.009 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 1358028288 | 1358028288 | • |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 1024 | 1024 | • |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1459.40002 | -1459.40002 ± 0.009 | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | -1459.40002 0 | -1459.40002 ± 0.009 | |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_Igc | 0 | 0 | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 2160073393 | 2160073393 | |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 1024 | 1024 | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1459.40002 | -1459.40002 ± 0.009 | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1459.40002 | -1459.40002 ± 0.009 | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_Igc | 0 | 0 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | • |



| Name | Actual Value | Expected Value | Result |
|------------------------------------------------------|---------------|-----------------------------|----------|
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 | 1 | ✓ |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | ✓ |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | 1 | ✓ |
| VehDyn_MaxOffset_HwDeg_M_f32 | 613.765991 | 613.765991 | ~ |
| VehDyn_MinOffset_HwDeg_M_f32 | 327.98999 | 327.98999 | ✓ |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | -0.0034746211 | -0.0034746211 ± 0.000000009 | ✓ |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 2659241984 | 2659241984 | ✓ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 1 | 1 ± 0.004 | ~ |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | -1557.72998 | -1557.72998 ± 0.1 | ✓ |

| Т | | | | V |
|----------------------------------------------------|-------|----------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | • |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | • |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |

| ame | Input Value |
|---------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|
| trmnElapsedTime mS u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| etSystemTime mS u32(CurrentTime) | target GetSystemTime mS u32 CurrentTime |
| re_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| e Call Ap VehDyn SystemTime GetSystemTime mS u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| e_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 |
| hDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 34.7999992 |
| hDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 96.8000031 |
| hDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 6.80000019 |
| hDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 41.7999992 |
| hDyn AutoCntrDetSpd M str.Timer1Thresh mS u16 | 32821 |
| hDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 53946 |
| hDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 3174948758 |
| ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 1024 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 731.700012 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000669999979 |
| ehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32 | 731.700012 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000669999979 |
| ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| ehDyn AutoCntrDetSpd M str.Filter2Enable Cnt Igc | 0 |
| ehDyn AutoCntrDetSpd M str.Filter1Initialized Cnt Igc | 1 |
| hDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 665 |
| ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 106.5 |
| ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 14.1000004 |
| ehDyn AutoCntrHiSpd M str.CntrWindow HwDeg f32 | 63.4000015 |
| , - , | 40437 |
| ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | |
| ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 13059 |
| ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 3174948758 1024 |
| ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 731.700012 |
| hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 | |
| hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.00041149999 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDog_str.SV_UIs_f32 | 731.700012 0.00079999998 |
| hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 | 0.00079999998 |
| hDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| hDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| hDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc hDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 0 |
| | |
| hDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 34.200008 96.099985 |
| hDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | |
| hDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 6.1999981 |
| hDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 hDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 41.099985 32821 |
| , = = = = = = | |
| ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 53946 |
| ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 3174948758 |
| ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 1024 |
| ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 731.700012 |
| ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 2.9000007e-005 |
| ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 731.700012 0.000669999979 |



| Name | Input Value | | | |
|---------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|--------------------------------------------|----------|--|
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 | | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 | | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | | | |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | -601.039978 | | | |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 | | | |
| VehDyn_Initialize_Cnt_M_lgc | 1 | | | |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | | | |
| VehDyn_MaxOffset_HwDeg_M_f32 | 419.078003 | | | |
| VehDyn_MinOffset_HwDeg_M_f32 | -1372.31396 | | | |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 15.1999998 | | | |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000261000008 | | | |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.837000012 | | | |
| VehDyn_SLPHwPos_HwDeg_M_f32 VehDyn_SrlHwAgVldTimer_mS_M_u32 | -1486.55005 954802432 | | | |
| k_HiSpdVDAuthority_Uls_f32 | 0.272780001 | | | |
| k_HwTqMgnThd_HwNm_f32 | 3.0999999 | | | |
| k_LoSpdVDAuthority_Uls_f32 | 1 | | | |
| k_SrlHwAgVldTiThd_mS_u32 | 9000 | | | |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 63.0999985 | | | |
| k_TravelXCDeadband_Uls_f32 | 15.6499996 | | | |
| k_TravelXCHwAuthority_Uls_f32 | 0.0276500005 | | | |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 2127166208 | | | |
| target_GetSystemTime_mS_u32_CurrentTime | 437658624 | | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime_ | | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 | • | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f3 | 2 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRad | dpS_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f3 | 32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_ | Uls_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_Hv | wDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc | | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 | | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_VehicleSpeedValid_C | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeedValid_C target_VehDyn_Per1_VehicleSpeed_Kph_f3 | | | |
| target VehDyn Per1 CcwEOT HwDeg f32.value | -1375.55005 | , _ | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 484.309998 | | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | -9.10000038 | | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | 154.199997 | | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | 731.700012 | | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 1 | | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | -1486.55005 0 | | | |
| target_VenDyn_Peri_TorqueCmdCRF_MtrNm_r3z.value target_VenDyn_Peri_TorqueCmdCRF_MtrNm_r3z.value | 0 | | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 45.7900009 | | | |
| Name | Actual Value | Expected Value | Result | |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 | 1 | | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 3174948758 | 3174948758 | ~ | |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 1024 | 1024 | ~ | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 731.700012 | 731.700012 ± 0.0009 | • | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 731.700012 | 731.700012 ± 0.0009 | ~ | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ~ | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | • | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | V | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 1 437658624 | 1 437658624 | - | |
| VehDyn AutoCntrHiSpd M str.Timer2 mS u32 | 1024 | 1024 | | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 731.700012 | 731.700012 ± 0.0009 | • | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 731.700012 | 731.700012 ± 0.0009 | - | |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | • | |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | • | |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ~ | |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ~ | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 3174948758 | 3174948758 | Y | |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 1024 | 1024 | ~ | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 731.700012 731.700012 | 731.700012 ± 0.0009 731.700012 ± 0.0009 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | • | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | - | |
| | | | | |



| Name | Actual Value | Expected Value | Result |
|-------------------------------------------------------|--------------|----------------------|----------|
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | 1 | ✓ |
| VehDyn_MaxOffset_HwDeg_M_f32 | -247.390015 | -247.389999 | ~ |
| VehDyn_MinOffset_HwDeg_M_f32 | -1372.31396 | -1372.31396 | ✓ |
| VehDyn_PinTrqSV_M_str.SV_UIs_f32 | 15.1936579 | 15.1936579 ± 0.00009 | ~ |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 954802432 | 954802432 | ✓ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 1 | 1 ± 0.004 | ~ |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | 1332.73999 | 1332.73999 ± 0.1 | ~ |

| Τ | | | | V |
|----------------------------------------------------|-------|----------------------------------------------------|-------|--------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | • |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | • |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |

| lame | Input Value |
|--------------------------------------------------------------------|-------------------------------------------------------------------------|
| OtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| GetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32(ElapsedTime) | target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedTim |
| Rte Call Ap VehDyn SystemTime GetSystemTime mS u32(CurrentTime) | target Rte Call Ap VehDyn SystemTime GetSystemTime mS u32 CurrentTime |
| | |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| /ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | |
| /ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 600.200012 |
| /ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 126.199997 12.1999998 |
| /ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | |
| /ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 85.1999969 |
| /ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 13352 |
| /ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 14442 |
| /ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 54822322 |
| /ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 54822322 |
| /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 459.209991 |
| /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000750000007 |
| /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 459.209991 |
| /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000750000007 |
| /ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| /ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 2.0999999 |
| /ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 199 |
| ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 3.20000005 |
| /ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 88.1999969 |
| /ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 30000 |
| /ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 43128 |
| /ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 54822322 |
| /ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 54822322 |
| /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 459.209991 |
| /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000549999997 |
| /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 459.209991 |
| /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000880000007 |
| /ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| /ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| /ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| /ehDyn AutoCntrHiSpd M str.Filter2Initialized Cnt Igc | 1 |
| ehDyn AutoCntrLoSpd M str.MtrVel MtrRadpS f32 | 600.900024 |
| 'ehDyn AutoCntrLoSpd M str.VehSpd kph f32 | 126.800003 |
| /ehDyn AutoCntrLoSpd M str.FiltPinTrg HwNm f32 | 12.8999996 |
| /ehDyn AutoCntrLoSpd M str.CntrWindow HwDeg f32 | 85.8000031 |
| /ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 13352 |
| /ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 14442 |
| /ehDyn_AutoCntrLoSpd_M_str.Timer2+mesit_ms_u+o | 54822322 |
| /ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 54822322 |
| /ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 459.209991 |
| /ehDyn_AutoCntrLoSpd_M_str.ReinwFoSFilt13V_HwDeg_str.Sv_0is_i32 | 4.50000007e-005 |



| Name | Input Value | | |
|-----------------------------------------------------------------------|------------------------------------------------|--------------------------------------------|----------|
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 459.209991 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000750000007 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | | |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 1 | | |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | 198.240005 | | |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 | | |
| VehDyn_Initialize_Cnt_M_lgc | 1 | | |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 | | |
| VehDyn_MaxOffset_HwDeg_M_f32 | 618.757996 | | |
| VehDyn_MinOffset_HwDeg_M_f32 | -1104.95398 | | |
| VehDyn PinTrgSV M str.SV Uls f32 | -5.4000001 | | |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.00037200001 | | |
| VehDyn SLPHwAuth Uls M f32 | 0.237000003 | | |
| VehDyn_SLPHwPos_HwDeg_M_f32 | -1076.15002 | | |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 2942063360 | | |
| k_HiSpdVDAuthority_Uls_f32 | 0.670000017 | | |
| k_HwTqMgnThd_HwNm_f32 | 3.099999 | | |
| k_LoSpdVDAuthority_Uls_f32 | 0 | | |
| k_SrlHwAgVldTiThd_mS_u32 | 65 | | |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 78.3000031 | | |
| k TravelXCDeadband Uls f32 | 73.25 | | |
| k_TraveIXCHwAuthority_Uls_f32 | 0.0766500011 | | |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 2108719104 | | |
| target GetSystemTime mS u32 CurrentTime | 123 | | |
| | | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedT | | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_UIs_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc | target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph_f3 | 2 | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -1125.15002 | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 920.590027 | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | -9.56999969 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | -897.599976 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | 459.209991 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 1 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | -1076.15002 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | -8 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 0 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 456.179993 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn AllowHiSpdAutoCntr Cnt M Igc | 1 | 1 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 54822322 | 54822322 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 54822322 | 54822322 | ~ |
| VehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32 | 459.209991 | 459.209991 ± 0.0009 | • |
| VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32 | 459.209991 | 459.209991 ± 0.0009 | • |
| VehDyn AutoCntrDetSpd M str.Filter1Enable Cnt lgc | 1 | 1 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | _ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | - |
| VehDyn AutoCntrHiSpd M str.Timer1 mS u32 | 123 | 123 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 54822322 | 54822322 | - |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 459.209991 | 459.209991 ± 0.0009 | ~ |
| | 459.209991 | 459.209991 ± 0.0009 459.209991 ± 0.0009 | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 0 | 459.209991 ± 0.0009 | - |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | | - |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | U | 0 | |

0

123

54822322

459.209991

459.209991

0

123

54822322

459.209991 ± 0.0009

459.209991 ± 0.0009

VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32

VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc

VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32

 $VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32$

 $VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32$



| Name | Actual Value | Expected Value | Result |
|-------------------------------------------------------|--------------|------------------------|----------|
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 | 0 | ✓ |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | ✓ |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 | 0 | ✓ |
| VehDyn_MaxOffset_HwDeg_M_f32 | 461.380035 | 461.380005 | ~ |
| VehDyn_MinOffset_HwDeg_M_f32 | -1104.95398 | -1104.95398 | ✓ |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | -5.40158939 | -5.40158939 ± 0.000009 | ~ |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 2942063360 | 2942063360 | ✓ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 1 | 1 ± 0.004 | ~ |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | 260.969971 | 260.970001 ± 0.1 | ~ |

| T | | | ✓ | |
|----------------------------------------------------|-------|----------------------------------------------------|----------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | ✓ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ✓ |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |

| lame | Input Value |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|
| OtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| GetSystemTime mS u32(CurrentTime) | target GetSystemTime mS u32 CurrentTime |
| Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32(ElapsedTime) | target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedTime |
| Rte Call Ap VehDyn SystemTime GetSystemTime mS u32(CurrentTime) | target Rte Call Ap VehDyn SystemTime GetSystemTime mS u32 CurrentTime |
| Rte Inst Ap VehDyn | target Rte Inst Ap VehDyn |
| /ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 0 |
| /ehDyn AutoCntrDetSpd M str.MtrVel MtrRadpS f32 | 0 |
| /ehDyn AutoCntrDetSpd M str.VehSpd kph f32 | 0 |
| /ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 0 |
| /ehDyn AutoCntrDetSpd M str.CntrWindow HwDeg f32 | 0 |
| /ehDyn AutoCntrDetSpd M str.Timer1Thresh mS u16 | 0 |
| /ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 0 |
| /ehDyn AutoCntrDetSpd M str.Timer1 mS u32 | 0 |
| /ehDyn AutoCntrDetSpd M str.Timer2 mS u32 | 0 |
| /ehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32 | -1600 |
| /ehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32 | 2.51327106e-006 |
| /ehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32 | -1600 |
| /ehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32 | 2.51327106e-006 |
| /ehDyn AutoCntrDetSpd M str.Filter1Enable Cnt lgc | 0 |
| /ehDyn AutoCntrDetSpd M str.Filter2Enable Cnt lgc | 0 |
| /ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| /ehDyn AutoCntrDetSpd M str.Filter2Initialized Cnt Igc | 0 |
| /ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 0 |
| /ehDyn AutoCntrHiSpd M str.VehSpd kph f32 | 0 |
| ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 0 |
| /ehDyn AutoCntrHiSpd M str.CntrWindow HwDeg f32 | 0 |
| 'ehDyn AutoCntrHiSpd M str.Timer1Thresh mS u16 | 0 |
| /ehDyn AutoCntrHiSpd M str.Timer2Thresh mS u16 | 0 |
| /ehDyn AutoCntrHiSpd M str.Timer1 mS u32 | 0 |
| /ehDyn AutoCntrHiSpd M str.Timer2 mS u32 | 0 |
| /ehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32 | -1600 |
| /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 2.51327106e-006 |
| /ehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32 | -1600 |
| /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 2.51327106e-006 |
| /ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| /ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| ehDyn AutoCntrLoSpd M str.MtrVel MtrRadpS f32 | 0 |
| /ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 0 |
| ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 0 |
| /ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 0 |
| /ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 0 |
| /ehDyn AutoCntrLoSpd M str.Timer2Thresh mS u16 | 0 |



| | | • | 0 |
|-----------------------------------------------------------------------------------------------|------------------------------------------------|----------------|--------|
| Name | Input Value | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 0 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 0 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1600 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 2.51327106e-006 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1600 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 2.51327106e-006 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | | |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 0 | | |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | -1600 | | |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 | | |
| VehDyn_Initialize_Cnt_M_lgc | 0 | | |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 | | |
| VehDyn_MaxOffset_HwDeg_M_f32 | -2840 | | |
| VehDyn_MinOffset_HwDeg_M_f32 | -1440.10999 | | |
| VehDyn_PinTrqSV_M_str.SV_UIs_f32 | -18.7999992 | | |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 VehDyn_SLPHwAuth_Uls_M_f32 | 2.51327106e-006 0 | | |
| , | -1600 | | |
| VehDyn_StPHwPos_HwDeg_M_f32 VehDyn_SrlHwAgVldTimer_mS_M_u32 | 0 | | |
| k_HiSpdVDAuthority_Uls_f32 | 0 | | |
| k HwTgMgnThd HwNm f32 | 0 | | |
| k LoSpdVDAuthority Uls f32 | 0 | | |
| k_SrlHwAgVldTiThd_mS_u32 | 0 | | |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 1 | | |
| k TravelXCDeadband Uls f32 | 0 | | |
| k_TravelXCHwAuthority_Uls_f32 | 0 | | |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 0 | | |
| target_GetSystemTime_mS_u32_CurrentTime | 0 | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedT | 0 | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime | 0 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_Uls_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_Hw | Deg_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_MtrN | _ | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc | target_VehDyn_Per1_VehicleSpeedValid_Cr | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph_f3: | 2 | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -1440.10999 | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 360 | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | -10 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_RelHwPos_HwDeq_f32.value | -1118 | | |
| 0 = 7 = = = 0= | -1600 0 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | -1600 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | -8.80000019 | | |
| target VehDyn Per1 VehicleSpeedValid Cnt Igc.value | 0 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 0 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 0 | 0 | Result |
| VehDyn AutoCntrDetSpd M str.Timer1 mS u32 | 0 | 0 | • |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 0 | 0 | - |
| VehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32 | -1600 | -1600 ± 0.009 | • |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1600 | -1600 ± 0.009 | |
| VehDyn AutoCntrDetSpd M str.Filter1Enable Cnt Igc | 0 | 0 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | - |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | - |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 0 | 0 | • |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 0 | 0 | - |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1600 | -1600 ± 0.009 | • |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1600 | -1600 ± 0.009 | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | _ |



| Name | Actual Value | Expected Value | Result |
|-----------------------------------------------------------------|--------------|-----------------------|--------|
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1600 | -1600 ± 0.009 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1600 | -1600 ± 0.009 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 | 0 | ~ |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 | 0 | ~ |
| VehDyn_MaxOffset_HwDeg_M_f32 | 360 | 360 | ~ |
| VehDyn_MinOffset_HwDeg_M_f32 | -1440.10999 | -1440.10999 | ~ |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | -18.7999992 | -18.7999992 ± 0.00009 | ~ |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 0 | 0 | ~ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 0 | 0 ± 0.004 | ~ |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | -1600 | -1600 ± 0.1 | ~ |

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|----------------------------------------------------|-------|----------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | • |
| Rte Call VehDyn Per1 CP1 CheckpointReached | 1 | Rte Call VehDyn Per1 CP1 CheckpointReached | 1 | ✓ |

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|--------------------------------------------------------------------|--------------------------------------------------------------------------|
| Name | Input Value |
| OtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| GetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| /ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 |
| ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 539.299988 |
| ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 186.300003 |
| ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 12.3000002 |
| ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 86.3000031 |
| ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 43128 |
| /ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 58869 |
| /ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 4290967295 |
| ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 2345892860 |
| /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 355.5 |
| /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000688 |
| /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 355.5 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000688 |
| ehDyn AutoCntrDetSpd M str.Filter1Enable Cnt lgc | 1 |
| ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| /ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| /ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| /ehDyn AutoCntrHiSpd M str.MtrVel MtrRadpS f32 | 498 |
| /ehDyn AutoCntrHiSpd M str.VehSpd kph f32 | 196 |
| /ehDyn AutoCntrHiSpd M str.FiltPinTrg HwNm f32 | 10.1000004 |
| 'ehDyn AutoCntrHiSpd M str.CntrWindow HwDeg f32 | 96 |
| ehDyn AutoCntrHiSpd M str.Timer1Thresh mS u16 | 53759 |
| /ehDyn AutoCntrHiSpd M str.Timer2Thresh mS u16 | 18715 |
| 'ehDyn AutoCntrHiSpd M str.Timer1 mS u32 | 4290967295 |
| /ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 2345892860 |
| /ehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32 | 355.5 |
| /ehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32 | 0.000777799985 |
| /ehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32 | 355.5 |
| /ehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32 | 0.000818 |
| /ehDyn AutoCntrHiSpd M str.Filter1Enable Cnt Igc | 1 |
| /ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| /ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| /ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| /ehDyn_AutoChtrhSpd_M_str.MtrVel_MtrRadpS_f32 | 539.700012 |
| /ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 186.600006 |
| /ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 12.699998 |
| /ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 86.599985 |



| Name | Input Value |
|-----------------------------------------------------------------|-----------------|
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 43128 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 58869 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 4290967295 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 2345892860 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 355.5 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 3.26000008e-005 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 355.5 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000688 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 1 |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | 298.149994 |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 |
| VehDyn_Initialize_Cnt_M_lgc | 0 |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 |
| VehDyn_MaxOffset_HwDeg_M_f32 | 464.006012 |
| VehDyn_MinOffset_HwDeg_M_f32 | -1312.15796 |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | -1.60000002 |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.00125584786 |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.702000022 |
| VehDyn_SLPHwPos_HwDeg_M_f32 | -1394.20996 |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 3437401088 |
| k_HiSpdVDAuthority_Uls_f32 | 1 |
| k_HwTqMgnThd_HwNm_f32 | |



| Name | Actual Value | Expected Value | Result |
|-----------------------------------------------------------------|--------------|------------------------|--------|
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 2269150976 | 2269150976 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 2345892860 | 2345892860 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 355.5 | 355.5 ± 0.0009 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 355.5 | 355.5 ± 0.0009 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 | 0 | ~ |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 | 0 | ~ |
| VehDyn_MaxOffset_HwDeg_M_f32 | 582.473022 | 582.473022 | ~ |
| VehDyn_MinOffset_HwDeg_M_f32 | -1319.20996 | -1319.20996 | ~ |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | -1.60695314 | -1.60695314 ± 0.000009 | ~ |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 3437401088 | 3437401088 | ~ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 1 | 1 ± 0.004 | ~ |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | 57.3500061 | 57.3499985 ± 0.1 | ~ |

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|----------------------------------------------------|-------|----------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ✓ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ✓ |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |

| Nome | Innut Value |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|
| Name | Input Value |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| GetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 350.5 |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 106.5 |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 8.5 |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 56.5 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 25532 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 27401 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 4211268631 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 4211268631 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1146.91003 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000745999976 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1146.91003 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000745999976 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 66.1999969 |
| /ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 69 |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 7.0999999 |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 41 |
| /ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 0 |
| /ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 12258 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 4211268631 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 4211268631 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1146.91003 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000546000025 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1146.91003 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000875999976 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| VehDyn AutoCntrHiSpd M str.Filter2Initialized Cnt Igc | 1 |



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| Name | Input Value | | |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 350.899994 | | |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 106.800003 | | |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 8.89999962 | | |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 56.7999992 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 25532 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 27401 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 4211268631 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 4211268631 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1146.91003 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 4.41999982e-005 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1146.91003 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000745999976 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | | |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 1 | | |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | -1.58000004 | | |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 | | |
| VehDyn_Initialize_Cnt_M_lgc | 0 | | |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 | | |
| VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32 | 608.773987 -1118.32202 | | |
| VeriDyn_NiinOriset_HwDeg_ivi_132 VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 7.80000019 | | |
| | 0.000369999994 | | |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 VehDyn_SLPHwAuth_Uls_M_f32 | 0.26699999 | | |
| VehDyn_SLPHwPos_HwDeg_M_f32 | -1096.67004 | | |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 800969984 | | |
| k_HiSpdVDAuthority_Uls_f32 | 1 | | |
| k_HwTqMgnThd_HwNm_f32 | 1.10000002 | | |
| k_LoSpdVDAuthority_Uls_f32 | 0 | | |
| k SrlHwAgVldTiThd mS u32 | 12 | | |
| <_SysKinRatio_MtrDegpHwDeg_f32 | 96.0999985 | | |
| k TravelXCDeadband Uls f32 | 70.3700027 | | |
| k_TraveIXCHwAuthority_Uls_f32 | 0.0741999969 | | |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 2339853824 | | |
| target_GetSystemTime_mS_u32_CurrentTime | 3351443200 | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_Elaps | | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentT | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwD |)eg f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDe | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_Hw | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target VehDyn Per1 MotorVelCRF | _ | |
| target Rte Inst Ap VehDyn.VehDyn Per1 RelHwPos HwDeg f32 | target_VehDyn_Per1_RelHwPos_Hw | · - | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAut | | |
| target Rte Inst Ap VehDyn.VehDyn Per1 SensorlessHwPos HwDeg f32 | target VehDyn Per1 SensorlessHw | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAgVld_Cnt_Igc | target VehDyn Per1 SrlHwAgVld C | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwD | | |
| arget Rte Inst Ap VehDyn.VehDyn Per1 TorqueCmdCRF MtrNm f32 | target_VehDyn_Per1_TorqueCmdCF | | |
| rarget_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc | target VehDyn Per1 VehicleSpeed\ | | |
| arget Rte Inst Ap VehDyn.VehDyn Per1 VehicleSpeed Kph f32 | target VehDyn Per1 VehicleSpeed | Kph f32 | |
| arget_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -1137.67004 | | |
| arget_VehDyn_Per1_CwEOT_HwDeg_f32.value | 898.776001 | | |
| arget_VehDyn_Per1_HwTorque_HwNm_f32.value | -9.40999985 | | |
| arget_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | 159.139999 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | 1146.91003 | | |
| arget_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 0 | | |
| arget_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | -1096.67004 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | 4.9000001 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 0 | | |
| arget_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 38.6699982 | | |
| Name | Actual Value | Expected Value | Res |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 | 1 | |
| /ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 4211268631 | 4211268631 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 4211268631 | 4211268631 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1146.91003 | 1146.91003 ± 0.009 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1146.91003 | 1146.91003 ± 0.009 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 3351443200 | 3351443200 | |
| VehDyn AutoCntrHiSpd M str.Timer2 mS u32 | 4211268631 | 4211268631 | |

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 $VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32$



| Name | Actual Value | Expected Value | Result |
|-----------------------------------------------------------------|--------------|----------------------|----------|
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1146.91003 | 1146.91003 ± 0.009 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1146.91003 | 1146.91003 ± 0.009 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | - |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 3351443200 | 3351443200 | • |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 4211268631 | 4211268631 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1146.91003 | 1146.91003 ± 0.009 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1146.91003 | 1146.91003 ± 0.0009 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 | 0 | ~ |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | - |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 | 0 | ~ |
| VehDyn_MaxOffset_HwDeg_M_f32 | 898.776001 | 898.776001 | ~ |
| VehDyn_MinOffset_HwDeg_M_f32 | -1137.67004 | -1137.67004 | • |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 7.79365158 | 7.7936511 ± 0.000009 | • |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 800969984 | 800969984 | • |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 1 | 1 ± 0.004 | ~ |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | 1148.48999 | 1148.48999 ± 0.1 | • |

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|----------------------------------------------------|-------|----------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | • |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | • |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | • |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | • |
| Rte Call VehDyn Per1 CP1 CheckpointReached | 1 | Rte Call VehDyn Per1 CP1 CheckpointReached | 1 | ~ |

| Name | Input Value |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|
| DtrmnElapsedTime_mS_u32(ElapsedTime) | target DtrmnElapsedTime mS u32 ElapsedTime |
| GetSystemTime mS u32(CurrentTime) | target GetSystemTime mS u32 CurrentTime |
| Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32(ElapsedTime) | target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedTime |
| Rte Call Ap VehDyn SystemTime GetSystemTime mS u32(CurrentTime) | target Rte Call Ap VehDyn SystemTime GetSystemTime mS u32 CurrentTime |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| /ehDyn AllowHiSpdAutoCntr Cnt M Igc | 1 |
| /ehDyn AutoCntrDetSpd M str.MtrVel MtrRadpS f32 | 600.200012 |
| VehDyn AutoCntrDetSpd M str.VehSpd kph f32 | 126.199997 |
| VehDyn AutoCntrDetSpd M str.FiltPinTrg HwNm f32 | 12.1999998 |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 85.1999969 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 13352 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 14442 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 54822322 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 54822322 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 459.209991 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000750000007 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 459.209991 |
| /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000750000007 |
| /ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| /ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 0 |
| /ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 199 |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 3.20000005 |
| /ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 88.1999969 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 30000 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 43128 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 54822322 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 54822322 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 459.209991 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000549999997 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 459.209991 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000880000007 |



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|-----------------------------------------------------------------------|-----------------------------------------|---------------------|------|
| Name | Input Value | | |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | | |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 | | |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | | |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | | |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 600.900024 | | |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 126.800003 | | |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 12.8999996 | | |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 85.8000031 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 13352 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 14442 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 54822322 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 54822322 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 459.209991 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 4.50000007e-005 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 459.209991 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000750000007 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | | |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 1 | | |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | 198.240005 | | |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 | | |
| VehDyn_Initialize_Cnt_M_lgc | 1 | | |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 | | |
| VehDyn_MaxOffset_HwDeg_M_f32 | 618.757996 | | |
| VehDyn_MinOffset_HwDeg_M_f32 | -1104.95398 | | |
| VehDyn_PinTrqSV_M_str.SV_UIs_f32 | -5.4000001 0.00037200001 | | |
| VehDyn_PinTrqSV_M_str.K_UIs_f32 | 0.237000003 | | |
| VehDyn_SLPHwAuth_Uls_M_f32 | -1076.15002 | | |
| VehDyn_SLPHwPos_HwDeg_M_f32 VehDyn_SrlHwAgVldTimer_mS_M_u32 | 2942063360 | | |
| k HiSpdVDAuthority Uls f32 | 0.670000017 | | |
| k_HwTqMgnThd_HwNm_f32 | 3.099999 | | |
| k_LoSpdVDAuthority_UIs_f32 | 0 | | |
| k_SrlHwAgVldTiThd_mS_u32 | 65 | | |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 78.3000031 | | |
| k_TravelXCDeadband_Uls_f32 | 73.25 | | |
| k_TraveIXCHwAuthority_UIs_f32 | 0.0766500011 | | |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 2108719104 | | |
| target_GetSystemTime_mS_u32_CurrentTime | 123 | | |
| target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedT | | | |
| target Rte Call Ap VehDyn SystemTime GetSystemTime mS u32 CurrentTime | | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 | 2 | |
| target Rte Inst Ap VehDyn.VehDyn Per1 CwEOT HwDeg f32 | target VehDyn Per1 CwEOT HwDeg f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f3 | 2 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRad | dpS_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target VehDyn Per1 RelHwPos HwDeg f | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_ | Uls_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_H | wDeg_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_Mtrl | Nm_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc | target_VehDyn_Per1_VehicleSpeedValid_C | Cnt_lgc | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph_f: | | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -1125.15002 | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 920.590027 | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | -9.56999969 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | -897.599976 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | 459.209991 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 1 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | -1076.15002 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | -8 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 0 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 456.179993 | | |
| Name | Actual Value | Expected Value | Resu |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 | 1 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 54822322 | 54822322 | • |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 54822322 | 54822322 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 459.209991 | 459.209991 ± 0.0009 | • |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 459.209991 | 459.209991 ± 0.0009 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | |
| | | | |



| Name | Actual Value | Expected Value | Result |
|-----------------------------------------------------------------|--------------|------------------------|--------|
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 123 | 123 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 54822322 | 54822322 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 459.209991 | 459.209991 ± 0.0009 | • |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 459.209991 | 459.209991 ± 0.0009 | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 123 | 123 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 54822322 | 54822322 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 459.209991 | 459.209991 ± 0.0009 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 459.209991 | 459.209991 ± 0.0009 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 | 0 | ~ |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 | 0 | ~ |
| VehDyn_MaxOffset_HwDeg_M_f32 | 461.380035 | 461.380005 | ~ |
| VehDyn_MinOffset_HwDeg_M_f32 | -1104.95398 | -1104.95398 | ~ |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | -5.40158939 | -5.40158939 ± 0.000009 | ~ |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 2942063360 | 2942063360 | ~ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 1 | 1 ± 0.004 | ~ |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | 260.969971 | 260.970001 ± 0.1 | ~ |

| T | | | | ✓ |
|----------------------------------------------------|-------|----------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |

| Test Step 2.41 (Repeat Count = 1) | |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|
| Name | Input Value |
| DtrmnElapsedTime mS u32(ElapsedTime) | target DtrmnElapsedTime mS u32 ElapsedTime |
| GetSystemTime mS u32(CurrentTime) | target GetSystemTime mS u32 CurrentTime |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| /ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 |
| /ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 566.299988 |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 32.2999992 |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 16.2999992 |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 53.2999992 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 37799 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 41632 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 1078320779 |
| /ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 383750110 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 829.530029 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000723999983 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 829.530029 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000723999983 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 700 |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 189 |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 18.1000004 |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 22.1000004 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 13352 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 14442 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 1078320779 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 383750110 |



| Name | Input Value | | |
|-------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|----------------|--------|
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 829.530029 | | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000523999974 | | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 829.530029 | | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000853999984 | | |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1 | | |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 | | |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | | |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | | |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 566.799988 | | |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 32.7999992 | | |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 16.7999992 | | |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 53.5999985 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 37799 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 41632 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 1078320779 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 383750110 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 829.530029 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 3.98000011e-005 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 829.530029 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000723999983 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | | |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 0 | | |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | -1100.58997 | | |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 | | |
| VehDyn_Initialize_Cnt_M_lgc | 1 | | |
| VehDyn LoSpdLearnt Cnt M Igc | 1 | | |
| VehDyn MaxOffset HwDeg M f32 | 553.862 | | |
| VehDyn MinOffset HwDeg M f32 | -1191.84595 | | |
| VehDyn_PinTrqSV_M_str.SV_UIs_f32 | 7.5999999 | | |
| VehDyn PinTrgSV M str.K Uls f32 | 0.000358999998 | | |
| VehDyn SLPHwAuth Uls M f32 | 0.432000011 | | |
| VehDyn_SLPHwPos_HwDeg_M_f32 | -1209.53003 | | |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 954802432 | | |
| k_HiSpdVDAuthority_UIs_f32 | 0 | | |
| k_HwTqMgnThd_HwNm_f32 | 0.119999997 | | |
| k_LoSpdVDAuthority_UIs_f32 | 0.800000012 | | |
| k_SrlHwAgVldTiThd_mS_u32 | 951 | | |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 52.0999985 | | |
| k TravelXCDeadband Uls f32 | 54.5299988 | | |
| k TravelXCHwAuthority Uls f32 | 0.0607249998 | | |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 2303132928 | | |
| target_GetSystemTime_mS_u32_CurrentTime | 309385728 | | |
| target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedT | | | |
| target Rte Call Ap VehDyn SystemTime GetSystemTime mS u32 CurrentTime | | | |
| target Rte Inst Ap VehDyn.VehDyn Per1 CcwEOT HwDeg f32 | target VehDyn Per1 CcwEOT HwDeg f32 | | |
| target Rte Inst Ap VehDyn.VehDyn Per1 CwEOT HwDeg 132 | 0 - 7 0- | | |
| target_Rte_Inst_Ap_VenDyn.VenDyn_Peri_CwEO1_HwDeg_132 target_Rte_Inst_Ap_VenDyn.VehDyn_Peri_HwTorque HwNm f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 target_VehDyn_Per1_HwTorque_HwNm_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Perl_MotorVelCRF_MtrRadpS_f32 | target VehDyn Per1 MotorVelCRF MtrRad | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorveicRF_MttRadpS_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VenDyn_Per1_MotorVelCRF_MtrRad target_VehDyn_Per1_RelHwPos_HwDeg_f3. | · - | |
| | | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessAuthority_UIs_f32 | target_VehDyn_Per1_SensorlessAuthority_L | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_Hw | /Deg_102 | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAgVld_Cnt_Igc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 | lm #22 | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_MtrN | _ | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc | target_VehDyn_Per1_VehicleSpeedValid_Cr | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph_f3 | | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -1206.53003 | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 778.799011 | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | 7 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | 1023.09998 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | 829.530029 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 1 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | -1209.53003 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | 1.5 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 1 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 500.024994 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_Igc | 1 | 1 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 1078320779 | 1078320779 | ~ |
| Valabora AutoCataDatOad MartaTiranaOaroOaroOaroO | 202750440 | 202750440 | |

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| Name | Actual Value | Expected Value | Result |
|------------------------------------------------------------------|--------------|-----------------------|----------|
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 829.530029 | 829.530029 ± 0.0009 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 829.530029 | 829.530029 ± 0.0009 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 309385728 | 309385728 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 383750110 | 383750110 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 829.530029 | 829.530029 ± 0.0009 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 829.530029 | 829.530029 ± 0.0009 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_Igc | 1 | 1 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 1078320779 | 1078320779 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 383750110 | 383750110 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 829.530029 | 829.530029 ± 0.0009 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 829.530029 | 829.530029 ± 0.0009 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | Ī | 1 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 | 1 | ✓ |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | ✓ |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_MaxOffset_HwDeg_M_f32 | -50.7310181 | -50.730999 | ✓ |
| VehDyn_MinOffset_HwDeg_M_f32 | -1191.84595 | -1191.84595 | ~ |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 7.59979486 | 7.59979486 ± 0.000009 | ~ |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 954802432 | 954802432 | ~ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 0.432000011 | 0.432000011 ± 0.004 | ~ |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | -380 | -380 ± 0.1 | ~ |

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|----------------------------------------------------|-------|----------------------------------------------------|-------|--------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | - |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Rte Call VehDvn Per1 CP1 CheckpointReached | 1 | Rte Call VehDvn Per1 CP1 CheckpointReached | 1 | - |

| Test Step 2.42 (Repeat Count = 1) | <u>√</u> |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|
| Name | Input Value |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| GetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 63.4000015 |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 124.400002 |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 18.3999996 |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 86.4000015 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 8366 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 51002 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 2138628886 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 2138628886 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1123.40002 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000725999998 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1123.40002 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000725999998 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 350.600006 |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 147 |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 15 |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 32.0999985 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 21364 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 52716 |



| Name | Input Value | | |
|-----------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|----------------|-------|
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 2138628886 | | |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 2138628886 | | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1123.40002 | | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000525999989 | | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1123.40002 | | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000855999999 | | |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | | |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 | | |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | | |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | | |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 63.0999985 | | |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 124.199997 | | |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 18.2000008 | | |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 86.3000031 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 8366 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 51002 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 2138628886 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 2138628886 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1123.40002 4.02000005e-005 | | |
| VehDyn_AutoCntrl_oSpd_M_str.RelHwPosFilt1SV_HwDog_str.K_Uls_f32 | | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 1123.40002 0.000725999998 | | |
| VehDyn AutoCntrLoSpd M str.Filter1Enable Cnt Igc | 0 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | | |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 1 | | |
| VehDyn ForceCenterOffset HwDeg M f32 | -1000.67999 | | |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 | | |
| VehDyn_Initialize_Cnt_M_lgc | 1 | | |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 | | |
| VehDyn_MaxOffset_HwDeg_M_f32 | 558.854004 | | |
| VehDyn_MinOffset_HwDeg_M_f32 | -1185.16199 | | |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 1.5 | | |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000360000005 | | |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.416999996 | | |
| VehDyn_SLPHwPos_HwDeg_M_f32 | -1199.27002 | | |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 2728878080 | | |
| k_HiSpdVDAuthority_Uls_f32 | 1 | | |
| k_HwTqMgnThd_HwNm_f32 | 5.44999981 | | |
| k_LoSpdVDAuthority_Uls_f32 | 0.89999976 | | |
| k_SrlHwAgVldTiThd_mS_u32 | 4856 | | |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 41.2999992 | | |
| k_TravelXCDeadband_Uls_f32 | 55.9700012 | | |
| k_TraveIXCHwAuthority_UIs_f32 | 0.0619499981 | | |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 4129141760 | | |
| target_GetSystemTime_mS_u32_CurrentTime | 4164171008 | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedT | | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime | | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 target_VehDyn_Per1_HwTorque_HwNm_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRad | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target VehDyn Per1 RelHwPos HwDeg f3: | | |
| target Rte Inst Ap VehDyn.VehDyn Per1 SensorlessAuthority Uls f32 | target_VehDyn_Per1_SensorlessAuthority_U | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target VehDyn Per1 SensorlessHwPos Hw | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc | target VehDyn Per1 SrlHwAgVld Cnt Igc | <u></u> | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target VehDyn Per1 SrlHwAg HwDeg f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_MtrN | m f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc | target_VehDyn_Per1_VehicleSpeedValid_Cr | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph_f3: | | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -1200.27002 | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 789.705994 | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | 7.01000023 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | -147.100006 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | 1123.40002 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 1 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | -1199.27002 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | -1.60000002 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 0 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 499.089996 | | |
| Name | Actual Value | Expected Value | Resul |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 | 1 | • |
| | | | |



| Name | Actual Value | Expected Value | Result |
|------------------------------------------------------------------|--------------|----------------------|----------|
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 2138628886 | 2138628886 | · |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 2138628886 | 2138628886 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1123.40002 | 1123.40002 ± 0.009 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1123.40002 | 1123.40002 ± 0.009 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | · |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 4164171008 | 4164171008 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 2138628886 | 2138628886 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1123.40002 | 1123.40002 ± 0.009 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1123.40002 | 1123.40002 ± 0.009 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 4164171008 | 4164171008 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 2138628886 | 2138628886 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1123.40002 | 1123.40002 ± 0.009 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1123.40002 | 1123.40002 ± 0.009 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 | 0 | ✓ |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 | 0 | ✓ |
| VehDyn_MaxOffset_HwDeg_M_f32 | -333.694031 | -333.694 | ~ |
| VehDyn_MinOffset_HwDeg_M_f32 | -1185.16199 | -1185.16199 | ~ |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 1.5019697 | 1.5019697 ± 0.000009 | ~ |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 2728878080 | 2728878080 | ~ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 1 | 1 ± 0.004 | ~ |
| target VehDyn Per1 SensorlessHwPos HwDeg f32.value | 1600 | 1600 ± 0.1 | ✓ |

| Τ | | | | ✓ |
|----------------------------------------------------|-------|----------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | ✓ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ✓ |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |

| Test Step 2.43 (Repeat Count = 1) | ✓ |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|
| Name | Input Value |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| GetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 10.1999998 |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 84.1999969 |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 8.19999981 |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 96.1999969 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 3658 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 5853 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 2345892860 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 2345892860 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -378.170013 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000728000014 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -378.170013 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000728000014 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 124.199997 |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 0 |



| Name | Input Value |
|------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 9.10000038 |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 42.5 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 33198 |
| | 7778 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 2345892860 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 2345892860 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -378.170013 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000528000004 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -378.170013 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000858000014 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 10.1000004 |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 84.0999985 |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 8.5 |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 96.0999985 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 3658 |
| VehDyn AutoCntrLoSpd M str.Timer2Thresh mS u16 | 5853 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 2345892860 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 2345892860 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -378.170013 |
| VehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32 | 4.05999999e-005 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -378.170013 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000728000014 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 0 |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | -900.77002 |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 |
| VehDyn_Initialize_Cnt_M_lgc | 0 |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 |
| VehDyn_MaxOffset_HwDeg_M_f32 | 563.846008 |
| VehDyn_MinOffset_HwDeg_M_f32 | -1178.47803 |
| VehDyn_PinTrqSV_M_str.SV_UIs_f32 | -1.60000002 |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000361000013 |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.40200001 |
| VehDyn_SLPHwPos_HwDeg_M_f32 | -1189.01001 |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 824746752 |
| k_HiSpdVDAuthority_UIs_f32 | 0 |
| k_HwTqMgnThd_HwNm_f32 | 6.32000017 |
| k LoSpdVDAuthority UIs f32 | 1 |
| k SrlHwAgVldTiThd mS u32 | 90 |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 63.5 |
| k TravelXCDeadband Uls f32 | 57.4099998 |
| k TravelXCHwAuthority Uls f32 | 0.0631750003 |
| target DtrmnElapsedTime mS u32 ElapsedTime | 2836768512 |
| target GetSystemTime mS u32 CurrentTime | 437658624 |
| target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedTi | |
| | 824746752 |
| target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 | target VehDyn Per1 CcwEOT HwDeg f32 |
| · · · · · · · · · · · · · · · | 0 - 1 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_Uls_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc | target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph_f32 |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -1194.01001 |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 800.612976 |
| target VehDyn Per1 HwTorque HwNm f32.value | 7.01999998 |
| target VehDyn Per1 MotorVelCRF MtrRadpS f32.value | 88.8000031 |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | -378.170013 |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 0 |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | -1189.01001 |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | 4.5999999 |
| wigot_volibyit_i of i_forqueoffidotti _ivitifviii_loz.value | 7.000000 |



Name Input Value



| | (|
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|
| Name | Input Value |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 456 |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 255 |
| | |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 8.1999981 |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 52.2000008 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 21335 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 34188 |
| VehDyn AutoCntrHiSpd M str.Timer1 mS u32 | 2553156835 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 2553156835 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1415.88 |
| | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000530000019 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1415.88 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000859999971 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| | 56.7000008 |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 64.0999985 |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 4.69999981 |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 45.0999985 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 29076 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 43868 |
| VehDyn AutoCntrLoSpd M str.Timer1 mS u32 | 2553156835 |
| VehDyn AutoCntrLoSpd M str.Timer2 mS u32 | 2553156835 |
| | -1415.88 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 4.0999993e-005 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1415.88 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000730000029 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| | 0 |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | -800.859985 |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 |
| VehDyn_Initialize_Cnt_M_lgc | 0 |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 |
| VehDyn_MaxOffset_HwDeg_M_f32 | 568.838013 |
| VehDyn MinOffset HwDeg M f32 | -1171.79395 |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | -14.8000002 |
| | |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000361999992 |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.386999995 |
| VehDyn_SLPHwPos_HwDeg_M_f32 | -1178.75 |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 123 |
| k_HiSpdVDAuthority_Uls_f32 | 0.999000013 |
| k HwTgMgnThd HwNm f32 | 1 |
| k LoSpdVDAuthority Uls f32 | 0 |
| - : | |
| k_SrlHwAgVldTiThd_mS_u32 | 70 |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 88.099985 |
| k_TravelXCDeadband_Uls_f32 | 58.8499985 |
| k_TravelXCHwAuthority_Uls_f32 | 0.0644000024 |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 2478427648 |
| target_GetSystemTime_mS_u32_CurrentTime | 3941357312 |
| target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedT | |
| target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime | |
| | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 |
| arget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_Uls_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 |
| target_Rte_Inst_Ap_vehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc |
| | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 |
| | target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc |
| arget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc | |
| | target_VehDyn_Per1_VehicleSpeed_Kph_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -1187.75 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value | -1187.75 811.52002 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value | -1187.75 811.52002 7.03000021 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_HotorVelCRF_MtrRadpS_f32.value | -1187.75 811.52002 7.03000021 -75.9000015 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | -1187.75 811.52002 7.03000021 |



| Name | Input Value | | |
|------------------------------------------------------------------|--------------|-----------------------|----------|
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | -1178.75 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | -7.30000019 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 0 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 230.820007 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 2553156835 | 2553156835 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 2553156835 | 2553156835 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1415.88 | -1415.88 ± 0.009 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1415.88 | -1415.88 ± 0.009 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 3941357312 | 3941357312 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 2553156835 | 2553156835 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1415.88 | -1415.88 ± 0.009 | • |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1415.88 | -1415.88 ± 0.009 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 3941357312 | 3941357312 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 2553156835 | 2553156835 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1415.88 | -1415.88 ± 0.009 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1415.88 | -1415.88 ± 0.009 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 | 0 | ✓ |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | ✓ |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 | 0 | ✓ |
| VehDyn_MaxOffset_HwDeg_M_f32 | 811.52002 | 811.52002 | ✓ |
| VehDyn_MinOffset_HwDeg_M_f32 | -1187.75 | -1187.75 | ✓ |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | -14.7921276 | -14.7921276 ± 0.00009 | ~ |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 123 | 123 | ~ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 0.386999995 | 0.386999995 ± 0.004 | ~ |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | -1600 | -1600 ± 0.1 | ✓ |

| T . | | | ✓ | |
|----------------------------------------------------|-------|----------------------------------------------------|----------|--------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |

| Test Step 2.45 (Repeat Count = 1) | ✓ |
|-----------------------------------------------------------------------------|--------------------------------------------------------------------------|
| Name | Input Value |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| GetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| $Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)$ | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 86.3000031 |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 52.2999992 |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 16.2999992 |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 78.3000031 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 32821 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 53946 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 2760420809 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 2760420809 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1081.09998 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000731999986 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1081.09998 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000731999986 |



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|-----------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
| Name | Input Value |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 566.099976 |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 125.230003 |
| VehDyn AutoCntrHiSpd M str.FiltPinTrg HwNm f32 | 11.3999996 |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 62.5 |
| VehDyn AutoCntrHiSpd M str.Timer1Thresh mS u16 | 12258 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 36416 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 2760420809 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 2760420809 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1081.09998 |
| | 0.000531999976 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDog_str.K_Uls_f32 | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1081.09998 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000861999986 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 86.3000031 |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 52.5999985 |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 16.2999992 |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 6 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 32821 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 53946 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 2760420809 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 2760420809 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1081.09998 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 4.13999987e-005 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1081.09998 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000731999986 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 1 |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | -700.950012 |
| VehDyn HiSpdLearnt Cnt M Igc | 1 |
| VehDyn_Initialize_Cnt_M_lgc | 1 |
| VehDyn LoSpdLearnt Cnt M Igc | 1 |
| VehDyn_MaxOffset_HwDeg_M_f32 | 573.830017 |
| VehDyn MinOffset HwDeg M f32 | -1165.10999 |
| · | 17.7999992 |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 0.000362999999 |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.372000009 |
| VehDyn_SLPHwPos_HwDeg_M_f32 | -1168.48999 |
| VehDyn_SrlHwAgVIdTimer_mS_M_u32 | 5477 |
| k_HiSpdVDAuthority_UIs_f32 | 0 |
| k_HwTqMgnThd_HwNm_f32 | 1.5 |
| k_LoSpdVDAuthority_UIs_f32 | 1 |
| k_SrlHwAgVldTiThd_mS_u32 | 456 |
| x_SysKinRatio_MtrDegpHwDeg_f32 | 75.0999985 |
| x_TravelXCDeadband_Uls_f32 | 60.2900009 |
| x_TraveIXCHwAuthority_Uls_f32 | 0.065624997 |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 4180236544 |
| target_GetSystemTime_mS_u32_CurrentTime | 3304439296 |
| arget_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedT | 824746752 |
| target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime | 5477 |
| arget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 |
| arget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f32 |
| rarget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 |
| arget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f32 |
| arget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_Uls_f32 |
| arget_Rte_Inst_Ap_venbyn.venbyn_Per1_SensorlessAuthority_0is_is2 | target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 |
| | |
| rarget_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAgVld_Cnt_Igc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc | target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc |
| | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CowEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value | target_VehDyn_Per1_VehicleSpeed_Kph_f32 -1181.48999 822.427002 |



| Name | Input Value | | |
|------------------------------------------------------------------|--------------|----------------------|--------|
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | 7.03999996 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | -900.01001 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | -1081.09998 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 1 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | -1168.48999 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | 1.2999995 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 1 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 245.080002 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 2760420809 | 2760420809 | • |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 2760420809 | 2760420809 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1081.09998 | -1081.09998 ± 0.009 | • |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1081.09998 | -1081.09998 ± 0.009 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 3304439296 | 3304439296 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 2760420809 | 2760420809 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1081.09998 | -1081.09998 ± 0.009 | • |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1081.09998 | -1081.09998 ± 0.009 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 2760420809 | 2760420809 | • |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 2760420809 | 2760420809 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1081.09998 | -1081.09998 ± 0.009 | • |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1081.09998 | -1081.09998 ± 0.009 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_MaxOffset_HwDeg_M_f32 | 573.830017 | 573.830017 | ~ |
| VehDyn_MinOffset_HwDeg_M_f32 | -100.390015 | -100.389999 | ~ |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 17.7960987 | 17.7961006 ± 0.00009 | ~ |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 5477 | 5477 | ~ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 1 | 1 ± 0.004 | ~ |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | -380.149963 | -380.149994 ± 0.1 | ~ |

| T | | | V | |
|----------------------------------------------------|-------|----------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | • |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ✓ |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | • |

| Test Step 2.46 (Repeat Count = 1) | ✓ |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|
| Name | Input Value |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| GetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 0 |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 0 |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 0 |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 0 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1600 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 2.51327106e-006 |



| Name | Input Value |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1600 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 2.51327106e-006 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 0 |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 0 |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 0 |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 0 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1600 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 2.51327106e-006 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1600 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 2.51327106e-006 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 0 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| , = , = = = = = = = = = = = = = = = = = | 0 |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 0 |
| VehDyn_AutoCotrl_oSpd_M_str.VehSpd_kph_f32 | 0 |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 0 |
| VehDyn AutoCntrLoSpd M str.Timer1Thresh mS u16 | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 0 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1600 |
| VehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg_str.V_0is_i52 | 2.51327106e-006 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1600 |
| VehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32 | 2.51327106e-006 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| VehDyn ForceCenterEnabled Cnt M Igc | 0 |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | -1600 |
| VehDyn HiSpdLearnt Cnt M lgc | 0 |
| VehDyn_Initialize_Cnt_M_lgc | 0 |
| VehDyn LoSpdLearnt Cnt M Igc | 0 |
| VehDyn_MaxOffset_HwDeg_M_f32 | -2840 |
| VehDyn MinOffset HwDeg M f32 | -1440.10999 |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | -18.7999992 |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 2.51327106e-006 |
| VehDyn SLPHwAuth Uls M f32 | 0 |
| VehDyn_SLPHwPos_HwDeg_M_f32 | -1600 |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 0 |
| k_HiSpdVDAuthority_Uls_f32 | 0 |
| k_HwTqMgnThd_HwNm_f32 | 0 |
| k_LoSpdVDAuthority_Uls_f32 | 0 |
| k_SrlHwAgVldTiThd_mS_u32 | 0 |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 1 |
| k_TravelXCDeadband_Uls_f32 | 0 |
| k_TravelXCHwAuthority_UIs_f32 | 0 |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 0 |
| target_GetSystemTime_mS_u32_CurrentTime | 0 |
| target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedT | ПО |
| $target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_$ | 0 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_Uls_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc |
| target, to | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_venbyr_r er r_em iw/g_rivbeg_reb |
| | target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | |



| Name | Input Value | | |
|------------------------------------------------------------------------------------|------------------|-----------------------|----------|
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -1440.10999 | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 360 | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | -10 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | -1118 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | -1600 | | |
| target VehDyn Per1 SrlHwAgVld Cnt lgc.value | 0 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | -1600 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | -8.80000019 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 0 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 0 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn AllowHiSpdAutoCntr Cnt M Igc | 0 | 0 | _ |
| VehDyn AutoCntrDetSpd M str.Timer1 mS u32 | 0 | 0 | - |
| VehDyn AutoCntrDetSpd M str.Timer2 mS u32 | 0 | 0 | |
| VehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32 | -1600 | -1600 ± 0.009 | |
| VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32 | -1600 | -1600 ± 0.009 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | |
| VehDyn AutoCntrDetSpd M str.Filter2Enable Cnt Igc | 0 | 0 | |
| VehDyn AutoCntrDetSpd M str.Filter1Initialized Cnt Igc | 0 | 0 | |
| VehDyn AutoCntrDetSpd M str.Filter2Initialized Cnt Igc | 0 | 0 | |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 0 | 0 | |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 0 | 0 | |
| VehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32 | -1600 | -1600 ± 0.009 | |
| VehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32 | -1600 | -1600 ± 0.009 | |
| VehDyn AutoCntrHiSpd M str.Filter1Enable Cnt Igc | 0 | 0 | |
| VehDyn AutoCntrHiSpd M str.Filter2Enable Cnt Igc | 0 | 0 | |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | |
| VehDyn_AutoChtrhSpd_wi_str.Timer1_mS_u32 | 0 | 0 | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 0 | 0 | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1600 | -1600 ± 0.009 | |
| VehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32 | -1600 | -1600 ± 0.009 | |
| VehDyn_AutoChtrLoSpd_M_str.Filter1Enable_Cht_lgc | 0 | 0 | |
| VehDyn AutoCntrLoSpd M str.Filter2Enable Cnt. Igc | 0 | 0 | |
| | 0 | 0 | |
| VehDyn_AutoCntrl_oSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 | 1 | |
| VehDyn_Initialize_Cnt_M_lgc | 0 | 0 | |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 360 | 360 | |
| VehDyn_MaxOffset_HwDeg_M_f32 | -1440.10999 | -1440.10999 | |
| VehDyn_BinTrrsSV_M_etr_SV_Ulle_f22 | 1 1111 | 1 1111 | |
| VehDyn_PinTrqSV_M_str.SV_UIs_f32 | -18.7999992 0 | -18.7999992 ± 0.00009 | |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | - | • | • |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 0 | 0 ± 0.004 | - Y |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | -1600 | -1600 ± 0.1 | |

| T | | | V | |
|----------------------------------------------------|-------|----------------------------------------------------|-------|--------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | • |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | • |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | • |

| Test Step 2.47 (Repeat Count = 1) | ✓ |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|
| Name | Input Value |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| GetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 98.0999985 |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 18.1000004 |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 12.1000004 |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 32.0999985 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 2291 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 58929 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 3174948758 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 3174948758 |



| | (14 10 10 10 10 10 10 10 10 10 10 10 10 10 |
|--------------------------------------------------------------------------------------------------------------|------------------------------------------------|
| Name | Input Value |
| VehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32 | -736.599976 |
| VehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32 | 0.000736000016 |
| VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32 | -736.599976 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000736000016 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 10 |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 64.6999969 |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 20 |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 82.1999969 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 43190 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 3186 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 3174948758 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 3174948758 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -736.599976 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000536000007 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -736.599976 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000866000017 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 98.5999985 |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 18.6000004 |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 12.6000004 |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 32.5999985 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 2291 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 58929 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 3174948758 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 3174948758 |
| VehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32 | -736.599976 |
| VehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32 | 4.2200012e-005 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -736.599976 |
| | 0.000736000016 |
| VehDyn_AutoCntrl_oSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 1 |
| VehDyn_AutoCntrl_cSpd_M_str.Filter1Enable_Cnt_lgc | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 1 |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | -501.130005 |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 |
| VehDyn_Initialize_Cnt_M_lgc | 0 |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 |
| VehDyn_MaxOffset_HwDeg_M_f32 | 583.814026 |
| VehDyn_MinOffset_HwDeg_M_f32 | -1151.74194 |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 6.30000019 |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000365000014 |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.342000008 |
| VehDyn_SLPHwPos_HwDeg_M_f32 | -1147.96997 |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 4178051584 |
| k_HiSpdVDAuthority_Uls_f32 | 0 |
| k_HwTqMgnThd_HwNm_f32 | 5.25 |
| k_LoSpdVDAuthority_UIs_f32 | 1 |
| k_SrlHwAgVldTiThd_mS_u32 | 987 |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 86.5 |
| k TravelXCDeadband Uls f32 | 63.1699982 |
| k TravelXCHwAuthority Uls f32 | 0.0680750012 |
| target DtrmnElapsedTime mS u32 ElapsedTime | 170564352 |
| target_GetSystemTime_mS_u32_CurrentTime | 3714197504 |
| target_Getsystemmine_ins_usz_currentmine target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 Elapse | |
| | |
| target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTir | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_Uls_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 |
| | |

VehDyn AutoCntrLoSpd M str.Timer2 mS u32

VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc

 $VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc$

 $VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc$

 $target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value$

target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value

VehDyn_HiSpdLearnt_Cnt_M_lgc

VehDyn_MaxOffset_HwDeg_M_f32

VehDyn_MinOffset_HwDeg_M_f32

VehDyn_PinTrqSV_M_str.SV_Uls_f32

VehDyn_SrlHwAgVldTimer_mS_M_u32

VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc

 $VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32$

VehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32



| | | | Razorcat |
|------------------------------------------------------------------|-------------------------------|----------------------|----------|
| Name | Input Value | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc | target_VehDyn_Per1_VehicleSpe | eedValid_Cnt_lgc | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpe | eed_Kph_f32 | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -1168.96997 | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 844.241028 | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | -9.01000023 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | -418.170013 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | -736.599976 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 0 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | -1147.96997 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | -4.5999999 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 1 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 20.8789997 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 3174948758 | 3174948758 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 3174948758 | 3174948758 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -736.599976 | -736.599976 ± 0.0009 | • |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -736.599976 | -736.599976 ± 0.0009 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 3714197504 | 3714197504 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 3174948758 | 3174948758 | • |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -736.599976 | -736.599976 ± 0.0009 | • |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -736.599976 | -736.599976 ± 0.0009 | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | → |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 3174948758 | 3174948758 | ✓ |
| | | | |

3174948758

-736 599976

-736.599976

0

0

0

1

1

844.241028

-1168.96997

6.29439259

4178051584

-235.469971

3174948758 -736.599976 ± 0.0009

0

0

0

1

1

844.241028

-1168.96997

4178051584

-235.470001 ± 0.1

1 ± 0.004

6.29439259 ± 0.000009

-736.599976 ± 0.0009

| Τ | | | | ✓ |
|----------------------------------------------------|-------|----------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | ✓ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | • |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | • |

| Test Step 2.48 (Repeat Count = 1) | | |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|--|
| Name | Input Value | |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime | |
| GetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime | |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime | |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime | |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn | |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 | |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 66.1999969 | |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 88.1999969 | |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 10.1999998 | |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 52.2000008 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 38868 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 57944 | |



| Name | Input Value |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 3382212733 |
| VehDyn AutoCntrDetSpd M str.Timer2 mS u32 | 3382212733 |
| VehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32 | 1210.59998 |
| VehDyn_AutoCntrDetSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000737999973 |
| VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32 | 1210.59998 |
| VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32 | 0.000737999973 |
| , - , | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 56.2000008 |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 52 |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 10.1000004 |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 92 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 30404 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 30349 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 3382212733 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 3382212733 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1210.59998 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000538000022 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1210.59998 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000867999974 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| VehDyn AutoCntrHiSpd M str.Filter2Initialized Cnt Igc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 66.5999985 |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 88.400015 |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 10.6000004 |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 52.400015 |
| | 38868 |
| VehDyn_AutoCntrl_oSpd_M_str.Timer1Thresh_mS_u16 | |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 57944 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 3382212733 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 3382212733 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1210.59998 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 4.26000006e-005 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1210.59998 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000737999973 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 0 |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | -401.220001 |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 |
| VehDyn_Initialize_Cnt_M_lgc | 0 |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 |
| VehDyn_MaxOffset_HwDeg_M_f32 | 588.80603 |
| VehDyn MinOffset HwDeg M f32 | -1145.05798 |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 15.199998 |
| VehDyn_PinTrqSV_M_str.K_UIs_f32 | 0.000365999993 |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.326999992 |
| VehDyn SLPHwPos HwDeg M f32 | -1137.70996 |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 4077829376 |
| k_HiSpdVDAuthority_Uls_f32 | 1 |
| | 1.10000002 |
| k_HwTqMgnThd_HwNm_f32 | |
| k_LoSpdVDAuthority_Uls_f32 | 0 |
| k_SrlHwAgVldTiThd_mS_u32 | 16445 |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 42.0999985 |
| k_TraveIXCDeadband_Uls_f32 | 64.6100006 |
| k_TraveIXCHwAuthority_UIs_f32 | 0.0693000033 |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 625668608 |
| target_GetSystemTime_mS_u32_CurrentTime | 2894938880 |
| $target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_Elapse$ | |
| $target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_$ | ne 4077829376 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f32 |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_Uls_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc |
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| | | | 1000 |
|------------------------------------------------------------------|-------------------------------|----------------------|----------|
| Name | Input Value | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_H | lwDeg_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmo | ICRF_MtrNm_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc | target_VehDyn_Per1_VehicleSpe | edValid_Cnt_lgc | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpe | ed_Kph_f32 | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -1162.70996 | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 855.14801 | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | -9.09000015 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | -425.869995 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | 1210.59998 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 0 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | -1137.70996 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | -4.9000001 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 0 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 25.5499992 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 | 1 | • |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 3382212733 | 3382212733 | • |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 3382212733 | 3382212733 | • |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1210.59998 | 1210.59998 ± 0.009 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1210.59998 | 1210.59998 ± 0.009 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 2894938880 | 2894938880 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 3382212733 | 3382212733 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1210.59998 | 1210.59998 ± 0.009 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1210.59998 | 1210.59998 ± 0.009 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 2894938880 | 2894938880 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 3382212733 | 3382212733 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1210.59998 | 1210.59998 ± 0.009 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1210.59998 | 1210.59998 ± 0.009 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 | 0 | ~ |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 | 0 | ✓ |
| VehDyn_MaxOffset_HwDeg_M_f32 | 855.14801 | 855.14801 | ~ |
| VehDyn_MinOffset_HwDeg_M_f32 | -1162.70996 | -1162.70996 | ~ |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 15.1910667 | 15.1910677 ± 0.00009 | ~ |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 4077829376 | 4077829376 | ~ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 0.326999992 | 0.326999992 ± 0.004 | ~ |
| target VohDyn Bort CanadrianeHwBoo HwDog f22 volus | 72 9000146 | 70.0000004 + 0.4 | |

| Τ | | | | V |
|----------------------------------------------------|-------|----------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ✓ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |

72.8900146

72.8899994 ± 0.1

| Test Step 2.49 (Repeat Count = 1) | |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|
| Name | Input Value |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| GetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 34.5 |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 76.5 |

target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value



| Name | Input Value |
|-----------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 2.5 |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 10.5 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 53970 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 52282 |
| | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 3589476707 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 3589476707 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -10.3400002 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000739999989 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -10.3400002 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000739999989 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| VehDyn AutoCntrDetSpd M str.Filter2Enable Cnt lgc | 0 |
| VehDyn AutoCntrDetSpd M str.Filter1Initialized Cnt Igc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 86 |
| | |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 34.2000008 |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 3.79999995 |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 10412 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 3277 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 3589476707 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 3589476707 |
| VehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32 | -10.3400002 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000539999979 |
| | -10.3400002 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDog_str.SV_Uls_f32 | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000869999989 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 34.4000015 |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 76.5999985 |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 2.4000001 |
| VehDyn AutoCntrLoSpd M str.CntrWindow HwDeg f32 | 10.6000004 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 53970 |
| | 52282 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 3589476707 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 3589476707 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -10.3400002 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 4.3e-005 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -10.3400002 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000739999989 |
| VehDyn AutoCntrLoSpd M str.Filter1Enable Cnt Igc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn AutoCntrLoSpd M str.Filter1Initialized Cnt Igc | 0 |
| | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 1 |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | -301.309998 |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 |
| VehDyn_Initialize_Cnt_M_lgc | 1 |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 |
| VehDyn_MaxOffset_HwDeg_M_f32 | 593.797974 |
| VehDyn MinOffset HwDeg M f32 | -1138.37402 |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 14 |
| | |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000367000001 |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.312000006 |
| VehDyn_SLPHwPos_HwDeg_M_f32 | -1127.44995 |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 2644937728 |
| k_HiSpdVDAuthority_Uls_f32 | 0 |
| k_HwTqMgnThd_HwNm_f32 | 1.20000005 |
| k_LoSpdVDAuthority_Uls_f32 | 1 |
| k_SrlHwAgVldTiThd_mS_u32 | 32 |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 12.1000004 |
| k_TravelXCDeadband_Uls_f32 | 66.0500031 |
| | |
| k_TravelXCHwAuthority_Uls_f32 | 0.070524998 |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 1711664384 |
| target_GetSystemTime_mS_u32_CurrentTime | 2059598336 |
| target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedT | Ti 123 |
| target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime | 2644937728 |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CwEOT_HwDeg_f32 | target VehDyn Per1 CwEOT HwDeg f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f32 |
| target_Rte_Inst_Ap_venDyn.VenDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 |
| angot_no_mot_np_vonDyn.vonDyn_r or r_wotorveront _withtaupo_loz | Language Tour Paris Language L |



| Name | Input Value | | |
|-------------------------------------------------------------------|------------------------------------------------|-----------------------|----------|
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_Uls_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwI | Deg_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCl | RF_MtrNm_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc | target_VehDyn_Per1_VehicleSpeed | Valid_Cnt_lgc | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed | _Kph_f32 | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -1156.44995 | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 866.054993 | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | -9.17000008 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | 752.679993 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | -10.3400002 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 1 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | -1127.44995 | | |
| target VehDyn Per1 TorqueCmdCRF MtrNm f32.value | -1.89999998 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 1 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 30.6399994 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn AllowHiSpdAutoCntr Cnt M Igc | 1 | 1 | ~ |
| VehDyn AutoCntrDetSpd M str.Timer1 mS u32 | 3589476707 | 3589476707 | • |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 3589476707 | 3589476707 | _ |
| VehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32 | -10.3400002 | -10.3400002 ± 0.00009 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -10.3400002 | -10.3400002 ± 0.00009 | |
| VehDyn AutoCntrDetSpd M str.Filter1Enable Cnt lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | |
| VehDyn AutoCntrDetSpd M str.Filter1Initialized Cnt Iqc | 0 | 0 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 2059598336 | 2059598336 | V |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 3589476707 | 3589476707 | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -10.3400002 | -10.3400002 ± 0.00009 | <u> </u> |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -10.3400002 | -10.3400002 ± 0.00009 | |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_Igc | 0 | 0 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | |
| | 1 | 1 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_Igc | 0 | 0 | |
| VehDyn_AutoCntrl oSed_M_str.Filter2Initialized_Cnt_lgc | 3589476707 | 3589476707 | |
| VehDyn_AutoCntrloSpd_M_str.Timer1_mS_u32 | 3589476707 | 3589476707 | |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | | | • |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -10.3400002 | -10.3400002 ± 0.00009 | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -10.3400002 | -10.3400002 ± 0.00009 | _ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | * |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | · · |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | · · |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 | 1 | Y |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | 1 | |
| VehDyn_MaxOffset_HwDeg_M_f32 | 593.797974 | 593.797974 | |
| VehDyn_MinOffset_HwDeg_M_f32 | -1138.37402 | -1138.37402 | ~ |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 13.9914389 | 13.9914389 ± 0.00009 | ~ |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 2644937728 | 2644937728 | ~ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 1 | 1 ± 0.004 | ~ |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | 290.970001 | 290.970001 ± 0.1 | ✓ |

| T | | | | ✓ |
|----------------------------------------------------|-------|----------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ✓ |

| Test Step 2.50 (Repeat Count = 1) | • |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|
| Name | Input Value |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| GetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 |



| Name | Input Value |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 2.0999999 |
| VehDyn AutoCntrDetSpd M str.VehSpd kph f32 | 86.0999985 |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 4.0999999 |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 25.1000004 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 20423 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 31368 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 3796740682 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 3796740682 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -6.48000002 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000742000004 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -6.48000002 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000742000004 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 75.1999969 |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 18 |
| VehDyn_AutoCotrl liSpd_M_str.FiltPinTrq_HwNm_f32 | 5.6999981 |
| VehDyn_AutoCotrl liSpd_M_str.CntrWindow_HwDeg_f32 | 100 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 16683 22497 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 3796740682 |
| VehDyn AutoCntrHiSpd M str.Timer2 mS u32 | 3796740682 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -6.48000002 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000541999994 |
| VehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32 | -6.48000002 |
| VehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32 | 0.000872000004 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 2.9000001 |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 86.8000031 |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 4.9000001 |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 25.7999992 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 20423 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 31368 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 3796740682 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 3796740682 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -6.48000002 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 4.33999994e-005 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -6.48000002 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000742000004 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 1 |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | -201.399994 0 |
| VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc | 1 |
| VehDyn_Initialize_Cht_W_gc VehDyn LoSpdLearnt Cnt M Igc | 0 |
| VehDyn MaxOffset HwDeg M f32 | 598.789978 |
| VehDyn_MinOffset_HwDeg_M_f32 | -1131.68994 |
| VehDyn_PinTrqSV_M_str.SV_UIs_f32 | 8.8999962 |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000368000008 |
| VehDyn SLPHwAuth Uls M f32 | 0.296999991 |
| VehDyn_SLPHwPos_HwDeg_M_f32 | -1117.18994 |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 2212175616 |
| k_HiSpdVDAuthority_Uls_f32 | 1 |
| k_HwTqMgnThd_HwNm_f32 | 6.5 |
| k_LoSpdVDAuthority_Uls_f32 | 0 |
| k_SrlHwAgVldTiThd_mS_u32 | 4891 |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 53.2999992 |
| k_TravelXCDeadband_Uls_f32 | 67.4899979 |
| k_TravelXCHwAuthority_UIs_f32 | 0.0717500001 |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 1568734208 |
| target_GetSystemTime_mS_u32_CurrentTime | 800969984 |
| $target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u30_ElapsedTime_mS_u30_ElapsedTime_mS_u30_ElapsedTime_mS_u30_ElapsedTime_mS_u30_ElapsedTime_mS_u30_ElapsedTime_mS_u30_ElapsedTime_mS_u30_ElapsedTime_mS_u30_ElapsedTime_mS_u30_ElapsedTime_mS_u30_ElapsedTime_mS_u30_ElapsedTime_mS_u30_ElapsedTime_mS_u30_ElapsedTime_mS_u30_ElapsedTime_mS_u30_ElapsedTime_mS_u30_ElapsedTime_mS_u30_ElapsedTime_mS_u30_ElapsedTime_mS_u30_ElapsedTime_mS_u30_ElapsedTime_mS_u30_ElapsedTime_mS_u30_ElapsedTime_mS_u30_ElapsedTime_mS_u30_ElapsedTime_mS_u30_ElapsedTime_mS_u30_ElapsedTime_mS_u30_ElapsedTime_mS_u30_ElapsedTime_mS_u30_ElapsedTime_mS_u30_ElapsedTime_mS_u30_ElapsedTime_mS_u30_ElapsedTime_mS_u30_ElapsedTime_mS_u30_ElapsedTime_mS_u30_ElapsedTime_mS_u30_ElapsedTime_mS_u30_ElapseDTime_mS_u30_ElapseDTime_mS_u30_ElapseDTime_mS_u30_ElapseDTime_mS_u30_ElapseDTime_mS_u30_ElapseDTime_mS_u30_ElapseDTime_mS_u30_ElapseDTime_mS_u30_ElapseDTime_mS_u30_ElapseDTime_mS_u30_ElapseDTime_mS_u30_ElapseDTime_mS_u30_ElapseDTime_mS_u30_ElapseDTime_mS_u30_ElapseDTime_mS_u30_ElapseDTime_mS_u30_ElapseDTime_mS_u30_ElapseDTime_mS_u30_ElapseDTime_mS_u30_ElapseDTime_mS_u30_ElapseDTime_mS_u30_ElapseDTime_mS_u30_ElapseDTime_mS_u30_ElapseDTime_mS_u30_ElapseDTime_mS_u30_ElapseDTime_mS_u30_ElapseDTime_mS_u30_ElapseDTime_mS_u30_ElapseDTime_mS_u30_ElapseDTime_mS_u30_ElapseDTime_mS_u30_ElapseDTime_mS_u30_ElapseDTime_mS_u30_ElapseDTime_mS_u30_ElapseDTime_mS_u30_ElapseDTime_mS_u30_ElapseDTime_mS_u30_ElapseDTime_mS_u30_ElapseDTime_mS_u30_ElapseDTime_mS_u30_ElapseDTime_mS_u30_ElapseDTime_mS_u30_ElapseDTime_mS_u30_ElapseDTime_mS_u30_ElapseDTime_mS_u30_ElapseDTime_mS_u30_ElapseDTime_mS_u30_ElapseDTime_mS_u30_ElapseDTime_mS_u30_ElapseDTime_mS_u30_ElapseDTime_mS_u30_ElapseDTime_mS_u30_ElapseDTime_mS_u30_ElapseDTime_mS_u30_ElapseDTime_mS_u30_ElapseDTime_mS_u30_ElapseDTime_mS_u30_ElapseDTime_mS_u30_ElapseDTime_mS_u30_ElapseDTime_mS_u30_ElapseDTime_mS_u30_ElapseDTime_mS_u30_ElapseDTime_mS_u30_ElapseD$ | 5477 |
| $target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTim$ | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 |
| | |



| Name | Input Value | | |
|--------------------------------------------------------------------------------------------|---------------------------------------|-------------------------------------|----------|
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_ | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrF | RadpS_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg | _f32 | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthorit | y_Uls_f32 | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_ | HwDeg_f32 | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAgVld_Cnt_Igc | target_VehDyn_Per1_SrlHwAgVld_Cnt_le | gc | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_t | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_N | ltrNm_f32 | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc | target_VehDyn_Per1_VehicleSpeedValid | _Cnt_lgc | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph | _f32 | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -1150.18994 | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 876.961975 | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | -9.25 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | -158.710007 | | |
| target VehDyn Per1 RelHwPos HwDeg f32.value | -6.48000002 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 1 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | -1117.18994 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | 8.19999981 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 0 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 35.8199997 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 3796740682 | 3796740682 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 3796740682 | 3796740682 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -6.48000002 | -6.48000002 ± 0.000009 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -6.48000002 | -6.48000002 ± 0.000009 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 800969984 | 800969984 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 3796740682 | 3796740682 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -6.48000002 | -6.48000002 ± 0.000009 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -6.48000002 | -6.48000002 ± 0.0009 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 800969984 | 800969984 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 3796740682 | 3796740682 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -6.48000002 | -6.48000002 ± 0.000009 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -6.48000002 | -6.48000002 ± 0.000009 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 | 0 | ✓ |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | ✓ |
| | 0 | 0 | • |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 500 700070 | 598.789978 | ✓ |
| VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32 | 598.789978 | | |
| | -1131.68994 | -1131.68994 | ✓ |
| VehDyn_MaxOffset_HwDeg_M_f32 | | -1131.68994 8.8933773 ± 0.000009 | |
| VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32 | -1131.68994 | | |
| VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32 VehDyn_PinTrqSV_M_str.SV_UIs_f32 | -1131.68994 8.8933773 | 8.8933773 ± 0.000009 | ~ |

| Т | | | | ✓ |
|----------------------------------------------------|-------|----------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | • |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | • |
| Rte Call VehDyn Per1 CP1 CheckpointReached | 1 | Rte Call VehDyn Per1 CP1 CheckpointReached | 1 | ✓ |

| Test Step 2.51 (Repeat Count = 1) | ✓ |
|--------------------------------------|--------------------------------------------|
| Name | Input Value |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| GetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |



| Name | Input Value |
|----------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| /ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 |
| /ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 120.199997 |
| /ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 96.1999969 |
| /ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 6.1999981 86.199969 |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 7034 |
| /ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 39056 |
| /ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | |
| /ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 4004004656 |
| /ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 4004004656 |
| /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -444.170013 |
| /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000744000019 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -444.170013 0.000744000019 |
| /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 /ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0.000744000019 |
| | 0 |
| /ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| /ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| /ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | |
| /ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 98 |
| /ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 66.199969 |
| /ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 9.1999981 |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 50.099985 |
| /ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 5235 |
| /ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 27074 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 4004004656 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 4004004656 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -444.170013 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.00054400001 |
| /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -444.170013 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000874000019 |
| /ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 120.800003 |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 96.9000015 |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 6.80000019 |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 86.9000015 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 7034 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 39056 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 4004004656 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 4004004656 |
| /ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -444.170013 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 4.37999988e-005 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -444.170013 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000744000019 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| /ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| /ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| /ehDyn_ForceCenterEnabled_Cnt_M_lgc | 1 |
| /ehDyn_ForceCenterOffset_HwDeg_M_f32 | -101.489998 |
| /ehDyn_HiSpdLearnt_Cnt_M_lgc | 1 |
| VehDyn_Initialize_Cnt_M_lgc | 0 |
| /ehDyn_LoSpdLearnt_Cnt_M_lgc | 1 |
| /ehDyn_MaxOffset_HwDeg_M_f32 | 603.781982 |
| /ehDyn_MinOffset_HwDeg_M_f32 | -1125.00598 |
| /ehDyn_PinTrqSV_M_str.SV_Uls_f32 | 13.8999996 |
| /ehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000368999987 |
| /ehDyn_SLPHwAuth_Uls_M_f32 | 0.282000005 |
| /ehDyn_SLPHwPos_HwDeg_M_f32 | -1106.93005 |
| /ehDyn_SrlHwAgVldTimer_mS_M_u32 | 2059598336 |
| C_HiSpdVDAuthority_Uls_f32 | 0 |
| <pre>K_HwTqMgnThd_HwNm_f32</pre> | 0.00120000006 |
| C_LoSpdVDAuthority_Uls_f32 | 1 |
| k SrlHwAgVldTiThd mS u32 | 91986 |
| k SysKinRatio MtrDegpHwDeg f32 | 86.5 |
| k_TravelXCDeadband_Uls_f32 | 68.9300003 |
| | 0.0729750022 |
| Traversonwautionty of 132 | |
| k_TravelXCHwAuthority_Uls_f32 target_DtrmnElapsedTime_mS_u32_ElapsedTime | 4195077888 |



| Name | Input Value | | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|--------|
| target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime | · | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime | 2059598336 | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32 | target VehDyn Per1 CcwEOT HwDeg f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target VehDyn Per1 CwEOT HwDeg f32 | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_HwTorque_HwNm_f32 | target VehDyn Per1 HwTorque HwNm f32 | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target VehDyn Per1 MotorVelCRF MtrRadpS f32 | | |
| target Rte Inst Ap VehDyn.VehDyn Per1 RelHwPos HwDeg f32 | target VehDyn Per1 RelHwPos HwDeg f32 | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_l | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_Hv | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc | ,50 <u>9_</u> 102 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 | | |
| target Rte Inst Ap VehDyn.VehDyn Per1 TorqueCmdCRF MtrNm f32 | target VehDyn Per1 TorqueCmdCRF Mtr | | |
| | | - | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc | target_VehDyn_Per1_VehicleSpeedValid_C | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph_f3 | 32 | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -1143.93005 | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 887.869019 | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | -9.32999992 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | 753.640015 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | -444.170013 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 0 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | -1106.93005 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | -8.39999962 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 1 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 36.9199982 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 | 1 | • |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 4004004656 | 4004004656 | • |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 4004004656 | 4004004656 | - |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -444.170013 | -444.170013 ± 0.0009 | • |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -444.170013 | -444.170013 ± 0.0009 | - |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | |
| VehDyn AutoCntrDetSpd M str.Filter1Initialized Cnt lgc | 0 | 0 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_Igc | 1 | 1 | |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 569984000 | 569984000 | • |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 4004004656 | 4004004656 | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -444.170013 | -444.170013 ± 0.0009 | |
| | -444.170013 | -444.170013 ± 0.0009 | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 0 | 0 | |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | | 1 | |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 | | |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 4004004656 | 4004004656 | • |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 4004004656 | 4004004656 | • |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -444.170013 | -444.170013 ± 0.0009 | • |
| | | | - I |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -444.170013 | -444.170013 ± 0.0009 | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 0 | 1 0 | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 0 0 | 1 0 0 | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 0 | 1 0 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 0 0 | 1 0 0 | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 0 0 0 | 1 0 0 0 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc | 1 0 0 0 0 | 1 0 0 0 1 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc | 1 0 0 0 1 1 | 1 0 0 0 1 1 | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 0 0 0 1 1 1 | 1 0 0 0 1 1 1 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32 | 1 0 0 0 1 1 1 1 887.869019 | 1 0 0 0 1 1 1 1 887.869019 | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32 VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 1 0 0 0 1 1 1 1 887.869019 -1143.93005 | 1 0 0 0 1 1 1 1 887.869019 -1143.93005 | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32 | 1 0 0 0 1 1 1 1 887.869019 -1143.93005 13.8913918 | 1 0 0 0 1 1 1 1 887.869019 -1143.93005 13.8913927 ± 0.00009 | |

| Τ | | | | V |
|----------------------------------------------------|-------|----------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Rte Call VehDyn Per1 CP1 CheckpointReached | 1 | Rte Call VehDyn Per1 CP1 CheckpointReached | 1 | ~ |



| est Step 2.52 (Repeat Count = 1) | Input Value |
|--------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|
| rmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| etSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| e_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| e_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| e_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| hDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 |
| hDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 350.5 |
| hDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 106.5 |
| hDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 8.5 |
| hDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 56.5 |
| hDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 25532 |
| hDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 27401 |
| hDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 4211268631 |
| hDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 4211268631 |
| hDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1146.91003 |
| hDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDog_str.K_Uls_f32 | 0.000745999976 |
| hDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1146.91003 |
| hDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000745999976 |
| ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| | 1 |
| hDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc hDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | |
| enDyn_AutoCntrDetSpd_m_str.Fiiterzinitialized_Cnt_igc ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 66.1999969 |
| hDyn_AutoCntrhiSpd_ivi_str.wirver_wirkaups_is2 | 69 |
| hDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 7.099999 |
| hDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 41 |
| hDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 0 |
| hDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 12258 |
| hDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 4211268631 |
| hDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 4211268631 |
| hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1146.91003 |
| hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000546000025 |
| hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1146.91003 |
| hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000875999976 |
| hDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| hDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_Igc | 0 |
| hDyn AutoCntrHiSpd M str.Filter1Initialized Cnt lgc | 0 |
| hDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| hDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 350.899994 |
| hDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 106.800003 |
| hDyn AutoCntrLoSpd M str.FiltPinTrg HwNm f32 | 8.89999962 |
| hDyn AutoCntrLoSpd M str.CntrWindow HwDeg f32 | 56.7999992 |
| hDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 25532 |
| hDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 27401 |
| hDyn AutoCntrLoSpd M str.Timer1 mS u32 | 4211268631 |
| hDyn AutoCntrLoSpd M str.Timer2 mS u32 | 4211268631 |
| hDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32 | 1146.91003 |
| hDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32 | 4.41999982e-005 |
| hDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32 | 1146.91003 |
| hDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32 | 0.000745999976 |
| hDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| hDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| hDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| hDyn AutoCntrLoSpd M str.Filter2Initialized Cnt Igc | 1 |
| nDyn_ForceCenterEnabled_Cnt_M_lgc | 1 |
| hDyn_ForceCenterOffset_HwDeg_M_f32 | -1.58000004 |
| hDyn_HiSpdLearnt_Cnt_M_lgc | 0 |
| hDyn Initialize Cnt M Igc | 0 |
| hDyn_LoSpdLearnt_Cnt_M_lgc | 0 |
| hDyn_MaxOffset_HwDeg_M_f32 | 608.773987 |
| hDyn_MinOffset_HwDeg_M_f32 | -1118.32202 |
| hDyn_PinTrqSV_M_str.SV_UIs_f32 | 7.80000019 |
| hDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000369999994 |
| hDyn_SLPHwAuth_Uls_M_f32 | 0.26699999 |
| hDyn_SLPHwPos_HwDeg_M_f32 | -1096.67004 |
| hDyn SrlHwAgVldTimer mS M u32 | 800969984 |
| HiSpdVDAuthority Uls f32 | 1 |
| HwTqMgnThd HwNm f32 | 1.10000002 |
| LoSpdVDAuthority_UIs_f32 | 0 |
| SrlHwAgVldTiThd_mS_u32 | 12 |
| | |



| Name | Input Value | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| k_TravelXCDeadband_Uls_f32 | 70.3700027 | | |
| k_TravelXCHwAuthority_Uls_f32 | 0.0741999969 | | |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 2339853824 | | |
| target_GetSystemTime_mS_u32_CurrentTime | 3351443200 | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTi | 4178051584 | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f | 32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRa | adpS f32 | |
| target Rte Inst Ap VehDyn.VehDyn Per1 RelHwPos HwDeg f32 | target VehDyn Per1 RelHwPos HwDeg | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority | Uls f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_F | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lge | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f3 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_Mt | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc | target_VehDyn_Per1_VehicleSpeedValid_ | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph_ | | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -1137.67004 | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 898.776001 | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | -9.40999985 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | 159.139999 | | |
| target VehDyn Per1 RelHwPos HwDeg f32.value | 1146.91003 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 0 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | -1096.67004 | | |
| target VehDyn Per1 TorqueCmdCRF MtrNm f32.value | 4.9000001 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 0 | | |
| target VehDyn Per1 VehicleSpeed Kph f32.value | 38.6699982 | | |
| Name | Actual Value | Expected Value | Result |
| | 1 | 1 | Resul |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 4211268631 | 4211268631 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 4211268631 | 4211268631 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 1146.91003 | | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | | 1146.91003 ± 0.009 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1146.91003 | 1146.91003 ± 0.009 | |
| | 1 | | and the second s |
| | 1 | 1 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | V |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 1 0 | 1 1 0 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 1 1 0 3351443200 | 1 1 0 3351443200 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 1 1 0 3351443200 4211268631 | 1 1 0 3351443200 4211268631 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1 1 0 3351443200 4211268631 1146.91003 | 1 1 0 3351443200 4211268631 1146.91003 ± 0.009 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1 1 0 3351443200 4211268631 1146.91003 | 1 1 0 3351443200 4211268631 1146.91003 ± 0.009 1146.91003 ± 0.009 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1 1 0 3351443200 4211268631 1146.91003 0 | 1 1 0 3351443200 4211268631 1146.91003 ± 0.009 1146.91003 ± 0.009 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 1 0 3351443200 4211268631 1146.91003 0 | 1 1 0 3351443200 4211268631 1146.91003 ± 0.009 1146.91003 ± 0.009 0 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 1 0 3351443200 4211268631 1146.91003 0 0 | 1 1 0 3351443200 4211268631 1146.91003 ± 0.009 1146.91003 ± 0.009 0 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 1 0 3351443200 4211268631 1146.91003 0 0 | 1 1 0 3351443200 4211268631 1146.91003 ± 0.009 0 0 0 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 1 0 3351443200 4211268631 1146.91003 0 0 0 | 1 1 0 3351443200 4211268631 1146.91003 ± 0.009 0 0 0 1 1 3351443200 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 1 1 0 3351443200 4211268631 1146.91003 0 0 0 1 1 3351443200 4211268631 | 1 1 0 3351443200 4211268631 1146.91003 ± 0.009 1146.91003 ± 0.009 0 0 1 3351443200 4211268631 | |
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| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter3_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Filter3_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc | 1 1 0 3351443200 4211268631 1146.91003 0 0 0 1 3351443200 4211268631 1146.91003 1146.91003 1146.91003 1146.91003 0 1 1 1 1 1 1 0 | 1 1 0 3351443200 4211268631 1146.91003 ± 0.009 1146.91003 ± 0.009 0 0 1 3351443200 4211268631 1146.91003 ± 0.0009 1146.91003 ± 0.0009 0 1 1 1 1 0 1 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Sp_u32 VehDyn_AutoCntrLoSpd_M_str.Filter1Sp_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 1 0 3351443200 4211268631 1146.91003 0 0 0 1 13351443200 4211268631 1146.91003 1146.91003 1146.91003 0 1 1 1 1 1 0 1 | 1 1 0 3351443200 4211268631 1146.91003 ± 0.009 1146.91003 ± 0.009 0 0 1 3351443200 4211268631 1146.91003 ± 0.0009 1146.91003 ± 0.0009 0 1 1 1 1 0 1 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32 | 1 1 0 3351443200 4211268631 1146.91003 0 0 0 1 13351443200 4211268631 1146.91003 1146.91003 0 1 1 1 1 0 1 0 898.776001 | 1 1 0 3351443200 4211268631 1146.91003 ± 0.009 1146.91003 ± 0.009 0 0 1 3351443200 4211268631 1146.91003 ± 0.0009 1146.91003 ± 0.0009 0 1 1 1 0 1 0 898.776001 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32 | 1 1 0 3351443200 4211268631 1146.91003 0 0 0 1 13351443200 4211268631 1146.91003 0 1146.91003 0 1 1 1 0 1 0 898.776001 -1137.67004 | 1 1 0 3351443200 4211268631 1146.91003 ± 0.009 1146.91003 ± 0.009 0 0 1 3351443200 4211268631 1146.91003 ± 0.0009 1146.91003 ± 0.0009 0 1 1 1 0 1 0 898.776001 -1137.67004 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Pnitialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32 VehDyn_PinTrqSV_M_str.SV_UIs_f32 | 1 1 0 3351443200 4211268631 1146.91003 0 0 0 1 13351443200 4211268631 1146.91003 0 1146.91003 0 1 1 1 0 1 0 898.776001 -1137.67004 7.79365158 | 1 1 0 3351443200 4211268631 1146.91003 ± 0.009 1146.91003 ± 0.009 0 0 1 3351443200 4211268631 1146.91003 ± 0.0009 1146.91003 ± 0.0009 0 1 1 1 0 1 0 898.776001 -1137.67004 7.7936511 ± 0.00009 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32 | 1 1 0 3351443200 4211268631 1146.91003 0 0 0 1 13351443200 4211268631 1146.91003 0 1146.91003 0 1 1 1 0 1 0 898.776001 -1137.67004 | 1 1 0 3351443200 4211268631 1146.91003 ± 0.009 1146.91003 ± 0.009 0 0 1 3351443200 4211268631 1146.91003 ± 0.0009 1146.91003 ± 0.0009 0 1 1 1 0 1 0 898.776001 -1137.67004 | |



| Τ | | | | ✓ |
|----------------------------------------------------|-------|----------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | • |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |

| est Step 2.53 (Repeat Count = 1) ame | Input Value |
|------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
| | • |
| trmnElapsedTime_mS_u32(ElapsedTime) etSystemTime mS u32(CurrentTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime target_GetSystemTime_mS_u32_CurrentTime |
| | |
| te_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| te_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| te_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 |
| ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 400.100006 |
| ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 116.099998 |
| ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 10.1000004 |
| ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 54.0999985 |
| ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 53759 |
| ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 18715 |
| ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 2160073393 |
| ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 1024 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1459.40002 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000747999991 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1459.40002 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000747999991 |
| ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 34 |
| ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 79.0999985 |
| ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 5 |
| ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 63 |
| ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 60000 |
| ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 26195 |
| ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 2160073393 |
| ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 1024 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1459.40002 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000547999982 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1459.40002 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000877999992 |
| ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_Igc | 1 |
| ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 400.799988 |
| ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 116.900002 |
| ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 10.8000002 |
| ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 54.9000015 |
| ehDyn AutoCntrLoSpd M str.Timer1Thresh mS u16 | 53759 |
| ehDyn AutoCntrLoSpd M str.Timer2Thresh mS u16 | 18715 |
| ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 2160073393 |
| ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 1024 |
| ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1459.40002 |
| ehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32 | 4.46000013e-005 |
| ehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32 | -1459.40002 |
| hDyn_AutoCntrLoSpd_M_str.ReiHwPosFilt2SV_HwDeg_str.Sv_Uis_f32 | 0.000747999991 |
| ehDyn AutoCnttLoSpd M str.Filter1Enable Cnt lgc | 1 |
| enDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_igc ehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_igc | |
| enDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 0 |
| | 1 |
| ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | |
| ehDyn_ForceCenterEnabled_Cnt_M_lgc | 1 |
| ehDyn_ForceCenterOffset_HwDeg_M_f32 ehDyn_HiSpdLearnt_Cnt_M_lgc | 98.3300018 |
| | 1 |



| Name | Input Value | | |
|----------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|-----------------------------|-------|
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | | |
| VehDyn_MaxOffset_HwDeg_M_f32 | 613.765991 | | |
| VehDyn_MinOffset_HwDeg_M_f32 | -1111.63794 | | |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 3.20000005 | | |
| VehDyn_PinTrqSV_M_str.K_UIs_f32 | 0.000371000002 | | |
| VehDyn_SLPHwAuth_Uls_M_f32 VehDyn_SLPHwPos_HwDeg_M_f32 | 0.252000004 -1086.41003 | | |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 2659241984 | | |
| k HiSpdVDAuthority Uls f32 | 0 | | |
| k_HwTqMgnThd_HwNm_f32 | 2.0999999 | | |
| k_LoSpdVDAuthority_Uls_f32 | 1 | | |
| k_SrlHwAgVldTiThd_mS_u32 | 45 | | |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 45 | | |
| k_TravelXCDeadband_Uls_f32 | 71.8099976 | | |
| k_TravelXCHwAuthority_Uls_f32 | 0.075424999 | | |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 3524313344 | | |
| target_GetSystemTime_mS_u32_CurrentTime target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi | 1358028288 i 4077829376 | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_DiffiliblapsedTime_IIIS_u32_ElapsedTime_target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime | | | |
| target Rte Inst Ap VehDyn.VehDyn Per1 CcwEOT HwDeg f32 | target VehDyn Per1 CcwEOT HwDeg f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target VehDyn Per1 CwEOT HwDeg f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f32 | 2 | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRad | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f3 | 2 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_L | Jls_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_Hv | vDeg_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_MtrN | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeedValid_Citarget_VehDyn_Per1_VehicleSpeed_Kph_f3 | | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -1131.41003 | 2 | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 909.682983 | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | -9.48999977 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | 1100.64001 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | -1459.40002 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 1 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | -1086.41003 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | 5.5999999 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 1 45.3699989 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name | Actual Value | Expected Value | Resul |
| VehDyn AllowHiSpdAutoCntr Cnt M lqc | 1 | 1 | Resul |
| VehDyn AutoCntrDetSpd M str.Timer1 mS u32 | 2160073393 | 2160073393 | |
| VehDyn AutoCntrDetSpd M str.Timer2 mS u32 | 1024 | 1024 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1459.40002 | -1459.40002 ± 0.009 | • |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1459.40002 | -1459.40002 ± 0.009 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 1358028288 | 1358028288 | |
| VehDyn_AutoCatelliSad_M_str.Timer2_mS_u32 | -1459.40002 | 1024 -1459.40002 ± 0.009 | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1459.40002 | -1459.40002 ± 0.009 | |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | |
| VehDyn AutoCntrHiSpd M str.Filter2Enable Cnt Igc | 1 | 1 | |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 2160073393 | 2160073393 | • |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 1024 | 1024 | • |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1459.40002 | -1459.40002 ± 0.009 | • |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1459.40002 | -1459.40002 ± 0.0009 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | |
| VehDyn_AutoCntrl_oSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 | 1 | |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | 1 | |
| VehDyn_MaxOffset_HwDeg_M_f32 | 613.765991 | 613.765991 | |
| VehDyn_MinOffset_HwDeg_M_f32 | 327.98999 | 327.98999 | , |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 3.19533825 | 3.19533825 ± 0.000009 | • |



| Name | Actual Value | Expected Value | Result |
|------------------------------------------------------|--------------|-------------------|----------|
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 2659241984 | 2659241984 | ~ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 1 | 1 ± 0.004 | ~ |
| target VehDyn Per1 SensorlessHwPos HwDeg f32.value | -1557.72998 | -1557.72998 ± 0.1 | ✓ |

| T | | | | ✓ |
|----------------------------------------------------|-------|----------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |

| Fest Step 2.54 (Repeat Count = 1) | Innuit Value |
|--------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|
| lame | Input Value |
| OtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| SetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| tte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| tte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 |
| ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 600.200012 |
| ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 126.199997 |
| ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 12.1999998 |
| ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 85.1999969 |
| ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 13352 |
| ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 14442 |
| ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 54822322 |
| ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 54822322 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 459.209991 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000750000007 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 459.209991 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000750000007 |
| ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| /ehDyn AutoCntrHiSpd M str.MtrVel MtrRadpS f32 | 2.0999999 |
| ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 199 |
| ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 3.20000005 |
| 'ehDyn AutoCntrHiSpd M str.CntrWindow HwDeg f32 | 88.199969 |
| ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 30000 |
| ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 43128 |
| /ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 54822322 |
| 'ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 54822322 |
| /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 459.209991 |
| ehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32 | 0.000549999997 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 459.209991 |
| ehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32 | 0.000880000007 |
| ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| | 0 |
| ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_Igc ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_Igc | 1 |
| | 600.900024 |
| ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 126.800003 |
| ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | |
| ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 12.8999996 85.800031 |
| ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | |
| ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 13352 |
| ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 14442 |
| ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 54822322 |
| ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 54822322 |
| ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 459.209991 |
| ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 4.5000007e-005 |
| ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 459.209991 |
| ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000750000007 |
| ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| ehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| /ehDyn_ForceCenterEnabled_Cnt_M_lgc | 1 |
| ehDyn ForceCenterOffset HwDeg M f32 | 198.240005 |



| | | (1 | 0-10 |
|---------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|--------------------------------------------|----------|
| Name | Input Value | | |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 | | |
| VehDyn_Initialize_Cnt_M_lgc | 1 | | |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 | | |
| VehDyn_MaxOffset_HwDeg_M_f32 | 618.757996 | | |
| VehDyn_MinOffset_HwDeg_M_f32 | -1104.95398 | | |
| VehDyn_PinTrqSV_M_str.SV_UIs_f32 | -5.4000001 0.00037200001 | | |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 VehDyn_SLPHwAuth_Uls_M_f32 | 0.237000003 | | |
| VehDyn_SLPHwPos_HwDeg_M_f32 | -1076.15002 | | |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 2942063360 | | |
| k HiSpdVDAuthority Uls f32 | 0.670000017 | | |
| k_HwTqMgnThd_HwNm_f32 | 3.0999999 | | |
| k_LoSpdVDAuthority_Uls_f32 | 0 | | |
| k_SrlHwAgVldTiThd_mS_u32 | 65 | | |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 78.3000031 | | |
| k_TravelXCDeadband_Uls_f32 | 73.25 | | |
| k_TravelXCHwAuthority_Uls_f32 | 0.0766500011 | | |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 2108719104 | | |
| target_GetSystemTime_mS_u32_CurrentTime | 123 | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi | | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 | | |
| target Rte Inst Ap VehDyn.VehDyn Per1 CwEOT HwDeg f32 | target VehDyn Per1 CwEOT HwDeg f32 | | |
| target Rte Inst Ap VehDyn.VehDyn Per1 HwTorque HwNm f32 | target VehDyn Per1 HwTorque HwNm f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRad | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f3. | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_L | Jls_f32 | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_Hw | /Deg_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_MtrN | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc | target_VehDyn_Per1_VehicleSpeedValid_Cr | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph_f3. | 2 | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -1125.15002 | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value | 920.590027 -9.56999969 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | -897.599976 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | 459.209991 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_Igc.value | 1 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | -1076.15002 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | -8 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 0 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 456.179993 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 54822322 | 54822322 | Y |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 54822322 | 54822322 459.209991 ± 0.0009 | • |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 459.209991 459.209991 | 459.209991 ± 0.0009 459.209991 ± 0.0009 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | j |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | - |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | - |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 123 | 123 | • |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 54822322 | 54822322 | - |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 459.209991 | 459.209991 ± 0.0009 | • |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 459.209991 | 459.209991 ± 0.0009 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_Igc | 0 | 0 | _ |
| VehDyn_AutoCntrl oSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 123 54822322 | 123 54822322 | J |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 459.209991 | 459.209991 ± 0.0009 | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 459.209991 | 459.209991 ± 0.0009 | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | - |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | - |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | - |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | - |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 | 0 | ~ |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 | 0 | ~ |
| VehDyn_MaxOffset_HwDeg_M_f32 | 461.380035 | 461.380005 | |



| Name | Actual Value | Expected Value | Result |
|------------------------------------------------------|--------------|------------------------|----------|
| VehDyn_MinOffset_HwDeg_M_f32 | -1104.95398 | -1104.95398 | ✓ |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | -5.40158939 | -5.40158939 ± 0.000009 | ~ |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 2942063360 | 2942063360 | ✓ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 1 | 1 ± 0.004 | ✓ |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | 260.969971 | 260.970001 ± 0.1 | ✓ |

| T | | | | ✓ |
|----------------------------------------------------|-------|----------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |

| ame | Input Value |
|---------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|
| trmnElapsedTime mS u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| etSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| te_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| te Call Ap VehDyn SystemTime GetSystemTime mS u32(CurrentTime) | target Rte Call Ap VehDyn SystemTime GetSystemTime mS u32 CurrentTime |
| te_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| ehDyn AllowHiSpdAutoCntr Cnt M Igc | 1 |
| ehDyn AutoCntrDetSpd M str.MtrVel MtrRadpS f32 | 200.300003 |
| ehDyn AutoCntrDetSpd M str.VehSpd kph f32 | 136.300003 |
| ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 14.3000002 |
| ehDyn AutoCntrDetSpd M str.CntrWindow HwDeg f32 | 96.3000031 |
| ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 21364 |
| ehDyn AutoCntrDetSpd M str.Timer2Thresh mS u16 | 52716 |
| | 1024 |
| ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 109643620 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1001.01001 |
| ehDyn AutoCntrDetSpd M str.ReiHwPosFilt1SV HwDeg str.K Uls f32 | 0.000752000022 |
| , - , | 1001.01001 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 | 0.000752000022 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000752000022 |
| ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| , - , | 1 |
| ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 120 |
| ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | |
| ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 124 |
| ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | |
| hDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 75.4000015 |
| hDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 12258 |
| ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 0 |
| ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 1024 |
| ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 109643620 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1001.01001 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000552000012 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1001.01001 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000882000022 |
| ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 200.800003 |
| ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 136.899994 |
| ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 14.800002 |
| ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 96.900015 |
| ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 21364 |
| ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 52716 |
| hDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 1024 |
| ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 109643620 |
| ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1001.01001 |
| ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 4.54000001e-005 |
| ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1001.01001 |
| ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000752000022 |
| ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 |



| | | | 10-10 |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|---------------------------------|----------|
| Name | Input Value | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | | |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 1 | | |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | 298.149994 | | |
| VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc | 0 | | |
| VehDyn_LoSpdLearnt Cnt M lgc | 1 | | |
| VehDyn_MaxOffset_HwDeg_M_f32 | -623.75 | | |
| VehDyn_MinOffset_HwDeg_M_f32 | -1098.27002 | | |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 7.80000019 | | |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000372999988 | | |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.222000003 | | |
| VehDyn_SLPHwPos_HwDeg_M_f32 | -1065.89001 | | |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 4077829376 0 | | |
| k_HiSpdVDAuthority_Uls_f32 k_HwTqMgnThd_HwNm_f32 | 4.099999 | | |
| k_LoSpdVDAuthority_Uls_f32 | 1 | | |
| k_SrlHwAgVldTiThd_mS_u32 | 112 | | |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 96.5 | | |
| k_TravelXCDeadband_Uls_f32 | 74.6900024 | | |
| k_TravelXCHwAuthority_Uls_f32 | 0.0778750032 | | |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 2894938880 | | |
| target_GetSystemTime_mS_u32_CurrentTime | 5477 | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_DtrmnElapsedTime_mS_u32_ElapsedTime_DtrmnElapsedTime_mS_u32_ElapsedTime_DtrmnElapsedTime_mS_u32_ElapsedTime_DtrmnElapsedTime_mS_u32_ElapsedTime_DtrmnElapsedTime_mS_u32_ElapsedTime_DtrmnElapsedTime_mS_u32_ElapsedTime_DtrmnElapsedTime_DtrmnElapsedTime_mS_u32_ElapsedTime_DtrmnElapsedTime_DtrmnElapsedTime_DtrmnElapsedTime_DtrmnElapsedTime_DtrmnElapsedTime_DtrmnElapsedTime_DtrmnElapsedTime_DtrmnElapsedTime_DtrmnElapsedTime_DtrmnElapsedTime_DtrmnElapsedTime_DtrmnElapsedTime_DtrmnElapsedTime_DtrmnElapsedTime_DtrmnElapsedTime_DtrmnElapsedTime_DtrmnElapsedTime_DtrmnElapsedTime_DtrmnElapsedTime_DtrmnElapsedTime_DtrmnElapsedTime_DtrmnElapsedTime_DtrmnElapsedTime_DtrmnElapsedTime_DtrmnElapsedTime_DtrmnElapsedTime_DtrmnElapsedTime_DtrmnElapsedTime_DtrmnElapsedTime_DtrmnElapsedTime_DtrmnElapsedTime_DtrmnElapsedTime_DtrmnElapsedTime_DtrmnElapsedTime_DtrmnElapsedTime_DtrmnElapsedTime_DtrmnElapsedTime_DtrmnElapsedTime_DtrmnElapsedTime_DtrmnElapsedTime_DtrmnElapsedTime_DtrmnElapsedTime_DtrmnElapsedTime_DtrmnElapsedTime_DtrmnElapsedTime_DtrmnElapsedTime_DtrmnElapsedTime_DtrmnElapsedTime_DtrmnElapsedTime_DtrmnElapsedTime_DtrmnElapsedTime_DtrmnElapsedTime_DtrmnElapsedTime_DtrmnElapsedTime_DtrmnElapsedTime_DtrmnElapsedTime_DtrmnElapsedTime_DtrmnElapsedTime_DtrmnElapsedTime_DtrmnElapsedTime_DtrmnElapsedTime_DtrmnElapsedTime_DtrmnElapsedTime_DtrmnElapsedTime_DtrmnElapsedTime_DtrmnElapsedTime_DtrmnElapsedTime_DtrmnElapsedTime_DtrmnElapsedTime_DtrmnElapsedTime_DtrmnElapsedTime_DtrmnElapsedTime_DtrmnElapsedTime_DtrmnElapsedTime_DtrmnElapsedTime_DtrmnElapsedTime_DtrmnElapsedTime_DtrmnElapsedTime_DtrmnElapsedTime_DtrmnElapsedTime_DtrmnElapsedTime_DtrmnElapsedTime_DtrmnElapsedTime_DtrmnElapsedTime_DtrmnElapsedTime_DtrmnElapsedTime_DtrmnElapsedTime_DtrmnElapsedTime_DtrmnElapsedTime_DtrmnElapsedTime_DtrmnElapsedTime_DtrmnElapsedTime_DtrmnElapsedTime_DtrmnElapsedTime_DtrmnElapsedTime_DtrmnElapsedTime_DtrmnElapsedTime_DtrmnElapsedTime_DtrmnElapsedTime_DtrmnElapsedTime_Dtrm | | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 | e 4077829376 target VehDyn Per1 CcwEOT HwDeg f32 | | |
| target Rte Inst Ap VehDyn.VehDyn Per1 CwEOT HwDeg 132 | target_VehDyn_Per1_CwEOT_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f32 | 2 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRad | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f3 | 2 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_U | Jls_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_Hw | /Deg_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVId_Cnt_Igc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 | Im. 622 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc | target_VehDyn_Per1_TorqueCmdCRF_MtrN target_VehDyn_Per1_VehicleSpeedValid_Cr | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph_f3. | | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -1118.89001 | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 931.497009 | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | -9.64999962 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | 154.339996 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | 1001.01001 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 0 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | -1065.89001 7.80000019 | | |
| target VehDyn Per1 VehicleSpeedValid Cnt Igc.value | 1 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 45.5750008 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 | 1 | - |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 1024 | 1024 | - |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 109643620 | 109643620 | - |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1001.01001 | 1001.01001 ± 0.009 | • |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1001.01001 | 1001.01001 ± 0.009 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | _ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 5477 | 5477 | - |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 109643620 | 109643620 | - |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1001.01001 | 1001.01001 ± 0.009 | - |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1001.01001 | 1001.01001 ± 0.009 | - |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | _ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | - |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 1024 | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 1024 109643620 | 1024 109643620 | |
| VehDyn_AutoCntrLoSpd_M_str.1imer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1001.01001 | 109643620 1001.01001 ± 0.009 | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1001.01001 | 1001.01001 ± 0.009 | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | - |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | - |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | |
| | | | |



| Name | Actual Value | Expected Value | Result |
|------------------------------------------------------|--------------|----------------------|----------|
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 | 1 | ✓ |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | 1 | ✓ |
| VehDyn_MaxOffset_HwDeg_M_f32 | 931.497009 | 931.497009 | ~ |
| VehDyn_MinOffset_HwDeg_M_f32 | -1118.89001 | -1118.89001 | ✓ |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 7.7935214 | 7.7935214 ± 0.000009 | ✓ |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 4077829376 | 4077829376 | ✓ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 1 | 1 ± 0.004 | ~ |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | 702.859985 | 702.859985 ± 0.1 | ✓ |

| T | | | | V |
|----------------------------------------------------|-------|----------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |

| ame | Input Value |
|--------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|
| rmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| etSystemTime mS u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| e_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedTime |
| e Call Ap VehDyn SystemTime GetSystemTime mS u32(CurrentTime) | target Rte Call Ap VehDyn SystemTime GetSystemTime mS u32 CurrentTime |
| e_Inst_Ap_VehDyn | target Rte Inst Ap VehDyn |
| hDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 |
| hDyn_AilownispaAutoCrit_Crit_wi_gc | 457.100006 |
| hDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 146.100006 |
| hDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 16.1000004 |
| hDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 32.099985 |
| hDyn_AutoCntrDetSpd_M_str.Timer1Thresh mS_u16 | 33198 |
| · - · · | 7778 |
| ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 4290967295 |
| | 164464918 |
| hDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | |
| hDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1312.29004 |
| hDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000753999979 |
| hDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDog_str.SV_Uls_f32 | -1312.29004 |
| hDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000753999979 |
| hDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| hDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| hDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| hDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| hDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 350 |
| hDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 84.099985 |
| hDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 2.20000005 |
| hDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 97 |
| hDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 26195 |
| hDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 60000 |
| hDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 4290967295 |
| hDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 164464918 |
| hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1312.29004 |
| hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000554000027 |
| hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1312.29004 |
| hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000883999979 |
| hDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| hDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| hDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| hDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| hDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 457.600006 |
| hDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 146.100006 |
| hDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 16.6000004 |
| hDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 32.099985 |
| hDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 33198 |
| hDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 7778 |
| hDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 4290967295 |
| hDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 164464918 |
| hDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1312.29004 |
| hDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 4.57999995e-005 |
| hDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1312.29004 |
| hDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32 | 0.000753999979 |



| Name | Input Value | | | |
|-------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------|----------|--|
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 | | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 | | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | | | |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 1 | | | |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 VehDyn_HiSpdLearnt_Cnt_M_lgc | 398.059998 0 | | | |
| VehDyn_Initialize_Cnt_M_lgc | 0 | | | |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 | | | |
| VehDyn_MaxOffset_HwDeg_M_f32 | 628.742004 | | | |
| VehDyn_MinOffset_HwDeg_M_f32 | -1091.58606 | | | |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 3.20000005 | | | |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000373999996 | | | |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.207000002 | | | |
| VehDyn_SLPHwPos_HwDeg_M_f32 VehDyn_SrlHwAgVldTimer_mS_M_u32 | -1055.63 1117112832 | | | |
| k_HiSpdVDAuthority_Uls_f32 | 1 | | | |
| k_HwTqMgnThd_HwNm_f32 | 5.0999999 | | | |
| k_LoSpdVDAuthority_Uls_f32 | 0 | | | |
| k_SrlHwAgVldTiThd_mS_u32 | 1385 | | | |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 32 | | | |
| k_TravelXCDeadband_Uls_f32 | 76.1299973 | | | |
| k_TravelXCHwAuthority_Uls_f32 | 0.0790999979 | | | |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 2059598336 | | | |
| target_GetSystemTime_mS_u32_CurrentTime | 89 | | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTarget_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime | | | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target VehDyn Per1 HwTorque HwNm f3 | 2 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRac | lpS_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f3 | 32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_U | Jls_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_Hv | vDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc | | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 | | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc target_VehDyn_Per1_VehicleSpeed_Kph_f32 | | | |
| target VehDyn Per1 CcwEOT HwDeg f32.value | -1112.63 | ·- | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 942.403992 | | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | -9.72999954 | | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | -759.900024 | | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | -1312.29004 | | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 0 | | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | -1055.63 3.20000005 | | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 0 | | | |
| target VehDyn Per1 VehicleSpeed Kph f32.value | 75.9100037 | | | |
| Name | Actual Value | Expected Value | Result | |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 | 1 | | |
| VehDyn AutoCntrDetSpd M str.Timer1 mS u32 | 4290967295 | 4290967295 | ~ | |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 164464918 | 164464918 | ~ | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1312.29004 | -1312.29004 ± 0.009 | ~ | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1312.29004 | -1312.29004 ± 0.009 | ~ | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | ~ | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ~ | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 0 | 0 | · · | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 89 | 89 | ~ | |
| VehDyn AutoCntrHiSpd M str.Timer2 mS u32 | 164464918 | 164464918 | | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1312.29004 | -1312.29004 ± 0.009 | • | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1312.29004 | -1312.29004 ± 0.009 | ~ | |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ~ | |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ~ | |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ~ | |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ~ | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 89 | 89 | V | |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 164464918 | 164464918 | ~ | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1312.29004 -1312.29004 | -1312.29004 ± 0.009 -1312.29004 ± 0.009 | , v | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 | -1312.29004 ± 0.009 | ~ | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | - | |
| | | | | |



| Name | Actual Value | Expected Value | Result |
|-------------------------------------------------------|--------------|-----------------------|----------|
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 | 0 | ✓ |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | ✓ |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 | 0 | ✓ |
| VehDyn_MaxOffset_HwDeg_M_f32 | 942.403992 | 942.403992 | ✓ |
| VehDyn_MinOffset_HwDeg_M_f32 | -1112.63 | -1112.63 | ✓ |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 3.19520164 | 3.19520164 ± 0.000009 | ✓ |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 1117112832 | 1117112832 | ✓ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 1 | 1 ± 0.004 | ~ |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | -1600 | -1600 ± 0.1 | ✓ |

| Τ | | | | ✓ |
|----------------------------------------------------|-------|----------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | • |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | • |

| ame | Input Value |
|-------------------------------------------------------------------|--------------------------------------------------------------------------|
| | • |
| trmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| etSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| te_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| te_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| te_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 |
| ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 498.799988 |
| ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 156.800003 |
| ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 3.79999995 |
| ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 52.7999992 |
| ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 21335 |
| ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 34188 |
| ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 1078320779 |
| ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 219286216 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1089.29004 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000755999994 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1089.29004 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000755999994 |
| ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 400.200012 |
| ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 64 |
| ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 4 |
| ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 86.4000015 |
| ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 43128 |
| ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 30000 |
| ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 1078320779 |
| ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 219286216 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1089.29004 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000555999984 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1089.29004 |
| hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000885999994 |
| ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| hDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 498.100006 |
| ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 156.600006 |
| ehDyn AutoCntrLoSpd M str.FiltPinTrg HwNm f32 | 3.0999999 |
| ehDyn AutoCntrLoSpd M str.CntrWindow HwDeg f32 | 52.5999985 |
| ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 21335 |
| ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 34188 |
| ehDyn AutoCntrLoSpd M str.Timer1 mS u32 | 1078320779 |
| ehDyn AutoCntrLoSpd M str.Timer2 mS u32 | 219286216 |



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| Name | Input Value | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1089.29004 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 4.6199989e-005 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1089.29004 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000755999994 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | | |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 1 | | |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | 497.970001 | | |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 | | |
| VehDyn_Initialize_Cnt_M_lgc | 1 | | |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | | |
| VehDyn_MaxOffset_HwDeg_M_f32 | 633.734009 | | |
| VehDyn_MinOffset_HwDeg_M_f32 | -1084.90198 | | |
| VehDyn_PinTrqSV_M_str.SV_UIs_f32 | -5.4000001 0.000375000003 | | |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 VehDyn_SLPHwAuth_Uls_M_f32 | 0.192000002 | | |
| VehDyn_SLPHwPos_HwDeg_M_f32 | -1045.37 | | |
| VehDyn SrlHwAgVldTimer mS M u32 | 1736795392 | | |
| k_HiSpdVDAuthority_UIs_f32 | 0.170000002 | | |
| k HwTqMgnThd HwNm f32 | 6.0999999 | | |
| k_LoSpdVDAuthority_UIs_f32 | 1 | | |
| k SrlHwAgVldTiThd mS u32 | 744 | | |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 52.2999992 | | |
| k_TravelXCDeadband_Uls_f32 | 77.5699997 | | |
| k_TravelXCHwAuthority_Uls_f32 | 0.080325 | | |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 800969984 | | |
| target_GetSystemTime_mS_u32_CurrentTime | 4178051584 | | |
| $target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_Elapsed$ | 800969984 | | |
| $target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime$ | 1736795392 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRad | pS_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_Uls_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_MtrN | _ | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc | target_VehDyn_Per1_VehicleSpeedValid_Cr | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph_f3: | 2 | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -1106.37 | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value target VehDyn Per1 HwTorque HwNm f32.value | 953.310974 -9.81000042 | | |
| · - / | -9.81000042 -897.599976 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | 1089.29004 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 1 | | |
| target VehDyn Per1 SrlHwAg HwDeg f32.value | -1045.37 | | |
| target VehDyn Per1 TorqueCmdCRF MtrNm f32.value | -5.4000001 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 1 | | |
| target VehDyn Per1 VehicleSpeed Kph f32.value | 159.820007 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 | 1 | - Nosuli |
| VehDyn AutoCntrDetSpd M str.Timer1 mS u32 | 1078320779 | 1078320779 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 219286216 | 219286216 | |
| VehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32 | 1089.29004 | 1089.29004 ± 0.009 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1089.29004 | 1089.29004 ± 0.009 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_Igc | 1 | 1 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 4178051584 | 4178051584 | • |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 219286216 | 219286216 | • |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1089.29004 | 1089.29004 ± 0.009 | • |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1089.29004 | 1089.29004 ± 0.009 | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | - |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | - |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | - |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 1078320779 | 1078320779 | - |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 219286216 | 219286216 | |



| Name | Actual Value | Expected Value | Result |
|-----------------------------------------------------------------|--------------|------------------------|--------|
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1089.29004 | 1089.29004 ± 0.009 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1089.29004 | 1089.29004 ± 0.009 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_MaxOffset_HwDeg_M_f32 | -135.979065 | -135.979004 | ~ |
| VehDyn_MinOffset_HwDeg_M_f32 | -1084.90198 | -1084.90198 | ~ |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | -5.40169239 | -5.40169239 ± 0.000009 | ~ |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 1736795392 | 1736795392 | ~ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 1 | 1 ± 0.004 | ~ |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | 591.320068 | 591.320007 ± 0.1 | • |

| T | | | | ✓ |
|----------------------------------------------------|-------|----------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | ✓ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ✓ |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | • |

| Name | Input Value |
|---------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| OtrmnElapsedTime mS u32(ElapsedTime) | target DtrmnElapsedTime mS u32 ElapsedTime |
| GetSystemTime mS u32(CurrentTime) | target GetSystemTime mS u32 CurrentTime |
| Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32(ElapsedTime) | target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedTime |
| Rte Call Ap VehDyn SystemTime GetSystemTime mS u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_Dtffffile_ins_usz_ElapsedTime target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_ms_usz_CurrentTime |
| Rte_call_Ap_venbyn_system+line_detsystem+line_ins_usz(current+line) | target Rte Inst Ap VehDyn |
| /ehDyn AllowHiSpdAutoCntr Cnt M lgc | talget_Rte_ilist_Ap_veribyii |
| /ehDyn_AilownispoAutoCntt_Cnt_w_gc /ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 539.299988 |
| | 166.300003 |
| /ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 5.30000019 |
| /ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 41.2999992 |
| /ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | |
| /ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 12258 |
| /ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 36416 |
| /ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 2160073393 |
| /ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 274107514 |
| /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1503.19995 |
| /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000758000009 |
| /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1503.19995 |
| /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000758000009 |
| /ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| /ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| /ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| /ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 600 |
| /ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 52.2000008 |
| /ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 6.0999999 |
| /ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 42 |
| ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 49475 |
| /ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 38708 |
| /ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 2160073393 |
| /ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 274107514 |
| /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1600 |
| /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000558 |
| /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1503.19995 |
| /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.00088800001 |
| /ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| /ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| /ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| /ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 539.599976 |
| /ehDyn AutoCntrLoSpd M str.VehSpd kph f32 | 166.100006 |
| /ehDyn AutoCntrLoSpd M str.FiltPinTrg HwNm f32 | 5.5999999 |
| /ehDyn AutoCntrLoSpd M str.CntrWindow HwDeg f32 | 41.099985 |
| /ehDyn AutoCntrLoSpd M str.Timer1Thresh mS u16 | 12258 |
| /ehDyn AutoCntrLoSpd M str.Timer2Thresh mS u16 | 36416 |



| Name | Input Value | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|---------------------|----------|
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 2160073393 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 274107514 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1503.19995 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 4.65999983e-005 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1503.19995 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000758000009 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | | |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 0 | | |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | 597.880005 | | |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 | | |
| VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 | | |
| VehDyn MaxOffset HwDeg M f32 | 638.726013 | | |
| VehDyn_MinOffset_HwDeg_M_f32 | -1078.21802 | | |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 7.5999999 | | |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000376000011 | | |
| VehDyn SLPHwAuth Uls M f32 | 0.177000001 | | |
| VehDyn_SLPHwPos_HwDeg_M_f32 | -1035.10999 | | |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 3437401088 | | |
| k_HiSpdVDAuthority_UIs_f32 | 1 | | |
| k_HwTqMgnThd_HwNm_f32 | 7.0999999 | | |
| k_LoSpdVDAuthority_UIs_f32 | 0.00899999961 | | |
| k_SrlHwAgVldTiThd_mS_u32 | 700 | | |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 10.5 | | |
| k_TravelXCDeadband_Uls_f32 | 79.0100021 | | |
| k_TravelXCHwAuthority_UIs_f32 | 0.0815500021 | | |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 569984000 | | |
| target_GetSystemTime_mS_u32_CurrentTime | 4077829376 | | |
| $target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedT$ | 2659241984 | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRad | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f3: | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_Uls_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc | target_VehDyn_Per1_SensorlessHwPos_Hw target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc | Deg_132 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target VehDyn Per1 TorqueCmdCRF MtrN | m f32 | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc | target_VehDyn_Per1_VehicleSpeedValid_Cr | _ | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph_f3: | | |
| target VehDyn Per1 CcwEOT HwDeg f32.value | -1100.10999 | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 964.218018 | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | -9.89000034 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | -835.700012 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | -1503.19995 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 1 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | -1035.10999 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | 7.5999999 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 0 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 357.25 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 2160073393 | 2160073393 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 274107514 | 274107514 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1503.19995 | -1503.19995 ± 0.009 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1503.19995 | -1503.19995 ± 0.009 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | V |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 4077829376 | 4077829376 | V |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 274107514 | 274107514 | • |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1600 | -1600 ± 0.009 | · · |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1503.19995 | -1503.19995 ± 0.009 | V |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | · · |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | |
| | 1 | 1 | |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | <u> </u> | <u>'</u> | |



| Name | Actual Value | Expected Value | Result |
|-----------------------------------------------------------------|---------------|-----------------------|--------|
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 4077829376 | 4077829376 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 274107514 | 274107514 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1503.19995 | -1503.19995 ± 0.009 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1503.19995 | -1503.19995 ± 0.009 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | - |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 | 0 | ~ |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 | 0 | ~ |
| VehDyn_MaxOffset_HwDeg_M_f32 | 638.726013 | 638.726013 | ~ |
| VehDyn_MinOffset_HwDeg_M_f32 | 403.089966 | 403.089996 | ~ |
| VehDyn_PinTrqSV_M_str.SV_UIs_f32 | 7.59369564 | 7.59369612 ± 0.000009 | ~ |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 3437401088 | 3437401088 | ~ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 0.00899999961 | 0.00899999961 ± 0.004 | ~ |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | 0 | 0 ± 0.1 | ~ |

| Т | | | | ~ |
|----------------------------------------------------|-------|----------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ✓ |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |

| Test Step 2.59 (Repeat Count = 1) | v v v v v v v v v v v v v v v v v v v |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|
| Name | Input Value |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | target DtrmnElapsedTime mS u32 ElapsedTime |
| GetSystemTime mS u32(CurrentTime) | target GetSystemTime mS u32 CurrentTime |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 34.2000008 |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 126.199997 |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 12.1999998 |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 85.1999969 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 13352 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 14442 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 2760420809 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 3382212733 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1341.30005 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000812000013 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1341.30005 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000812000013 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 86.0999985 |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 123 |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 14.199998 |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 42.2000008 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 12258 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 36416 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 2760420809 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 3382212733 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1600 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000600000028 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1341.30005 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000192000007 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 34 |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 126.599998 |



| | | • | # 1- 10-10 | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|--------------------------------------|------------|--|
| Name | Input Value | | | |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 14.3999996 | | | |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 86.1999969 | | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 33198 | | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 7778 | | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 2760420809 | | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 3382212733 | | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1341.30005 | | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 5.74000005e-005 | | | |
| VehDyn_AutoCntrl_oSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1341.30005 | | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0.000812000013 1 | | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 | | | |
| VehDyn AutoCntrLoSpd M str.Filter1Initialized Cnt lgc | 0 | | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | | | |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 1 | | | |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | 98.3300018 | | | |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 | | | |
| VehDyn_Initialize_Cnt_M_lgc | 1 | | | |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | | | |
| VehDyn_MaxOffset_HwDeg_M_f32 | 773.51001 | | | |
| VehDyn_MinOffset_HwDeg_M_f32 | -897.75 | | | |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | -1.60000002 | | | |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000403000013 | | | |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.284000009 | | | |
| VehDyn_SLPHwPos_HwDeg_M_f32 | -758.090027 | | | |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 1316564736 | | | |
| k_HiSpdVDAuthority_Uls_f32 | 0 | | | |
| k_HwTqMgnThd_HwNm_f32 | 1.5 | | | |
| k_LoSpdVDAuthority_UIs_f32 | 1 | | | |
| k_SrlHwAgVIdTiThd_mS_u32 | 703 | | | |
| k_SysKinRatio_MtrDegpHwDeg_f32 k TravelXCDeadband Uls f32 | 10.1000004 85.7799988 | | | |
| k_TraveIXCHwAuthority_Uls_f32 | 0.114624999 | | | |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 1050692864 | | | |
| target_GetSystemTime_mS_u32_CurrentTime | 2942063360 | | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_Elapse | | | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTi | | | | |
| target_Rte_Inst_Ap_VehDyn_Per1_CcwEOT_HwDeg_f32 | | target_VehDyn_Per1_CcwEOT_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f | target_VehDyn_Per1_HwTorque_HwNm_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRa | idpS_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_ | f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority | _Uls_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_F | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVId_Cnt_Igc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc | | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f3 | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_Mt | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc | target_VehDyn_Per1_VehicleSpeedValid_ | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph_ | 132 | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | -931.090027 1258.70703 | | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value | 1258.70703 2.20000005 | | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | 154.399994 | | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | 1341.30005 | | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 1 | | | |
| target VehDyn Per1 SrlHwAg HwDeg f32.value | -758.090027 | | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | -4.5999999 | | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 1 | | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 245.070007 | | | |
| Name | Actual Value | Expected Value | Resul | |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 0 | 0 | | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 2942063360 | 2942063360 | | |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 3382212733 | 3382212733 | | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1341.30005 | 1341.30005 ± 0.009 | | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1341.30005 | 1341.30005 ± 0.009 | | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | | |
| V.I.D | 0 | 0 | | |
| VenDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 | | | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | | |
| | | 0 1 | | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | | | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 0 1 2760420809 3382212733 | 1 2760420809 3382212733 | • | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 0 1 2760420809 | 1 2760420809 | • | |



| Name | Actual Value | Expected Value | Result |
|-----------------------------------------------------------------|--------------|------------------------|----------|
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 2760420809 | 2760420809 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 3382212733 | 3382212733 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1341.30005 | 1341.30005 ± 0.009 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1341.30005 | 1341.30005 ± 0.009 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | 1 | ✓ |
| VehDyn_MaxOffset_HwDeg_M_f32 | -82.5930176 | -82.5930023 | ~ |
| VehDyn_MinOffset_HwDeg_M_f32 | -897.75 | -897.75 | ~ |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | -1.59865212 | -1.59865212 ± 0.000009 | ~ |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 1316564736 | 1316564736 | ~ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 1 | 1 ± 0.004 | ~ |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | 1242.97009 | 1242.96997 ± 0.1 | ~ |

| Τ | | | | ✓ |
|----------------------------------------------------|-------|----------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | ✓ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | - |

| Nama | Innut Value |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|
| Name | Input Value |
| OtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| GetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| /ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 0 |
| /ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 498.100006 |
| /ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 206.100006 |
| /ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 3.0999999 |
| /ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 97.0999985 |
| /ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 30404 |
| /ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 30349 |
| /ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 1024 |
| /ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 4290967295 |
| /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 0 |
| /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000828000018 |
| /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 0 |
| /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000828000018 |
| /ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| /ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| /ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| /ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| /ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 400.200012 |
| /ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 18 |
| /ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 12 |
| /ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 32 |
| /ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 2291 |
| /ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 58929 |
| /ehDyn AutoCntrHiSpd M str.Timer1 mS u32 | 1024 |
| /ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 4290967295 |
| /ehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32 | 0 |
| /ehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32 | 0.000615999976 |
| /ehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32 | 0 |
| /ehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32 | 0.000224000003 |
| /ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| /ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| /ehDyn AutoCntrHiSpd M str.Filter1Initialized Cnt Igc | 1 |
| /ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |



| | | (| 10-10 |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|----------------|-------|
| Name | Input Value | | |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 498.399994 | | |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 166.100006 | | |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 19.2999992 | | |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 25.3999996 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 60000 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 3277 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 1024 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 4290967295 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDog_str.SV_Uls_f32 | 0 6.05999994e-005 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 0 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000828000018 | | |
| VehDyn AutoCntrLoSpd M str.Filter1Enable Cnt lgc | 1 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | | |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 1 | | |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | 897.609985 | | |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 | | |
| VehDyn_Initialize_Cnt_M_lgc | 1 | | |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | | |
| VehDyn_MaxOffset_HwDeg_M_f32 | 813.445984 | | |
| VehDyn_MinOffset_HwDeg_M_f32 | -844.278015 | | |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 1.5 | | |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000410999986 0.419999987 | | |
| VehDyn_SLPHwAuth_Uls_M_f32 VehDyn_SLPHwPos_HwDeg_M_f32 | -676.01001 | | |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 954802432 | | |
| k_HiSpdVDAuthority_Uls_f32 | 0 | | |
| k_HwTqMgnThd_HwNm_f32 | 2.0999999 | | |
| k_LoSpdVDAuthority_UIs_f32 | 1 | | |
| k_SrlHwAgVldTiThd_mS_u32 | 456 | | |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 52.5 | | |
| k_TravelXCDeadband_Uls_f32 | 77.5400009 | | |
| k_TraveIXCHwAuthority_UIs_f32 | 0.124425001 | | |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 4164171008 | | |
| target_GetSystemTime_mS_u32_CurrentTime | 2127166208 | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_Elapse | | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTir | | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 | 2 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_HwTorque_HwNm_f3: target_VehDyn_Per1_MotorVelCRF_MtrRac | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target VehDyn Per1 RelHwPos HwDeg f3 | · - | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_U | | |
| target Rte Inst Ap VehDyn.VehDyn Per1 SensorlessHwPos HwDeg f32 | target VehDyn Per1 SensorlessHwPos Hv | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_MtrN | Nm_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc | target_VehDyn_Per1_VehicleSpeedValid_C | nt_lgc | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph_f3 | 32 | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -881.01001 | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 1345.96301 | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | 3.79999995 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | 88.8000031 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | 0 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 1 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | -676.01001 7.80000019 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | 7.80000019 1 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 45.4099998 | | |
| | Actual Value | Expected Value | Post |
| Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | O Actual Value | 0 | Resu |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 2127166208 | 2127166208 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 4290967295 | 4290967295 | |
| | 0 | 0 ± 0.000009 | |
| | | 0 ± 0.000009 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 0 | 0 ± 0.000009 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | | 0 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 0 | | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 0 0 | 0 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 0 0 1 | 0 0 1 | • |



| Name | Actual Value | Expected Value | Result |
|-----------------------------------------------------------------|--------------|-----------------------|----------|
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 0 | 0 ± 0.000009 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 0 | 0 ± 0.000009 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 1024 | 1024 | • |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 4290967295 | 4290967295 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 0 | 0 ± 0.000009 | • |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 0 | 0 ± 0.000009 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 | 1 | • |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | 1 | ✓ |
| VehDyn_MaxOffset_HwDeg_M_f32 | 813.445984 | 813.445984 | ~ |
| VehDyn_MinOffset_HwDeg_M_f32 | -844.278015 | -844.278015 | • |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 1.50100636 | 1.50100636 ± 0.000009 | ~ |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 954802432 | 954802432 | • |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 1 | 1 ± 0.004 | ~ |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | -897.609985 | -897.609985 ± 0.1 | • |

| T | | | | |
|----------------------------------------------------|-------|----------------------------------------------------|-------|--------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | • |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | • |

| Test Step 2.61 (Repeat Count = 1) | |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|
| Name | Input Value |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| GetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 662.900024 |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 196.899994 |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 5.9000001 |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 75.9000015 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 43190 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 3186 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 4290967295 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 2138628886 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1385.40002 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000763999997 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1385.40002 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000763999997 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1. |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 498.200012 |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 88 |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 16.1000004 |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 86.4000015 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 13352 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 14442 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 4290967295 |
| VehDyn AutoCntrHiSpd M str.Timer2 mS u32 | 2138628886 |
| VehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32 | 448.5 |
| VehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32 | 0.000563999987 |
| VehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32 | -1385.40002 |
| VehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.K UIs f32 | 0.00893999997 |
| VehDyn AutoCntrHiSpd M str.Filter1Enable Cnt lgc | 1 |
| VehDyn AutoCntrHiSpd M str.Filter2Enable Cnt lgc | 1 |



| Name | Input Value | | |
|------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|---------------------|------|
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | | |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | | |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 662.400024 | | |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 196.5 | | |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 5.4000001 | | |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 75.5 43190 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 3186 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 4290967295 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 2138628886 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1385.40002 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 4.78000002e-005 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1385.40002 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000763999997 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_ForceCenterEnabled_Cnt_M_lgc | 0 | | |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | 897.609985 | | |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 | | |
| VehDyn_Initialize_Cnt_M_lgc | 1 | | |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | | |
| VehDyn_MaxOffset_HwDeg_M_f32 | 653.702026 | | |
| VehDyn_MinOffset_HwDeg_M_f32 | -1058.16602 | | |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | -14.8000002 | | |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000379000005 | | |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.131999999 | | |
| VehDyn_SLPHwPos_HwDeg_M_f32 VehDyn_SrlHwAgVldTimer_mS_M_u32 | 1759885568 | | |
| k HiSpdVDAuthority Uls f32 | 0 | | |
| k_HwTqMgnThd_HwNm_f32 | 0.119999997 | | |
| k_LoSpdVDAuthority_UIs_f32 | 0.467000008 | | |
| k_SrlHwAgVldTiThd_mS_u32 | 703 | | |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 56.2999992 | | |
| k_TravelXCDeadband_Uls_f32 | 83.3300018 | | |
| k_TravelXCHwAuthority_UIs_f32 | 0.085225001 | | |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 1975593216 | | |
| target_GetSystemTime_mS_u32_CurrentTime | 2059598336 | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedT target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime | | | |
| target Rte Inst Ap VehDyn.VehDyn Per1 CcwEOT HwDeg f32 | target VehDyn Per1 CcwEOT HwDeg f32 | | |
| target Rte Inst Ap VehDyn.VehDyn Per1 CwEOT HwDeg f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f32 | 2 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRad | pS_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f3 | 2 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_U | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_Hv | vDeg_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 target_VehDyn_Per1_TorqueCmdCRF_MtrN | lm 122 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc | target VehDyn Per1 VehicleSpeedValid Ci | | |
| target Rte Inst Ap VehDyn.VehDyn Per1 VehicleSpeed Kph f32 | target_VehDyn_Per1_VehicleSpeed_Kph_f3 | | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -1081.32996 | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 996.939026 | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | -5.15999985 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | 1023.09998 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | -1385.40002 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 1 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | -1004.33002 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc.value | 4.5999999 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 369.100006 | | |
| Name | Actual Value | Expected Value | Resu |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 | 1 | Resu |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 4290967295 | 4290967295 | |
| VehDyn AutoCntrDetSpd M str.Timer2 mS u32 | 2138628886 | 2138628886 | ٠, |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1385.40002 | -1385.40002 ± 0.009 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1385.40002 | -1385.40002 ± 0.009 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | 1 |
| VehDyn AutoCntrDetSpd M str.Filter2Initialized Cnt lgc | 1 | 1 | |

 $VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc$





| | | | (|
|-----------------------------------------------------------------------|-----------------------------------------|---------------------|------|
| Name | Input Value | | |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1 | | |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 | | |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | | |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | | |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 124.5 | | |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 206.399994 | | |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 3.5 | | |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 97.4000015 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 30404 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 30349 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 1078320779 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 2345892860 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1036.69995 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 4.81999996e-005 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1036.69995 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000766000012 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | | |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 1 | | |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | 997.52002 | | |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 | | |
| VehDyn_Initialize_Cnt_M_lgc | 1 | | |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 | | |
| VehDyn_MaxOffset_HwDeg_M_f32 | 658.69397 | | |
| VehDyn_MinOffset_HwDeg_M_f32 | -1051.48206 | | |
| VehDyn_PinTrqSV_M_str.SV_UIs_f32 | 17.7999992 0.000380000012 | | |
| VehDyn_PinTrqSV_M_str.K_UIs_f32 | 0.116999999 | | |
| VehDyn_SLPHwAuth_Uls_M_f32 | -994.070007 | | |
| VehDyn_SLPHwPos_HwDeg_M_f32 VehDyn_SrlHwAgVldTimer_mS_M_u32 | 1662097408 | | |
| k HiSpdVDAuthority Uls f32 | 1 | | |
| k_HwTqMgnThd_HwNm_f32 | 5.44999981 | | |
| k_LoSpdVDAuthority_UIs_f32 | 0.870000005 | | |
| k_SrlHwAgVldTiThd_mS_u32 | 9000 | | |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 54.5 | | |
| k_TravelXCDeadband_Uls_f32 | 84.7699966 | | |
| k_TraveIXCHwAuthority_UIs_f32 | 0.0864500031 | | |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 910116864 | | |
| target_GetSystemTime_mS_u32_CurrentTime | 800969984 | | |
| target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedT | | | |
| target Rte Call Ap VehDyn SystemTime GetSystemTime mS u32 CurrentTime | 1662097408 | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f3: | 2 | |
| target Rte Inst Ap VehDyn.VehDyn Per1 CwEOT HwDeg f32 | target VehDyn Per1 CwEOT HwDeg f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f3 | 32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRa | dpS_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_ | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_H | wDeg_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_Mtr | Nm_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc | target_VehDyn_Per1_VehicleSpeedValid_0 | Cnt_lgc | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph_f | | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -1075.06995 | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 1007.84601 | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | -5.73999977 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | -147.699997 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | -1036.69995 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 1 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | -994.070007 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | -7.30000019 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 0 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 156.100006 | | |
| Name | Actual Value | Expected Value | Resu |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 | 1 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 1078320779 | 1078320779 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 2345892860 | 2345892860 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1036.69995 | -1036.69995 ± 0.009 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1036.69995 | -1036.69995 ± 0.009 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | |
| | | | |



| Name | Actual Value | Expected Value | Result |
|-----------------------------------------------------------------|--------------|----------------------|----------|
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 800969984 | 800969984 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 2345892860 | 2345892860 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -157.490005 | -157.490005 ± 0.0009 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1036.69995 | -1036.69995 ± 0.009 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 800969984 | 800969984 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 2345892860 | 2345892860 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1036.69995 | -1036.69995 ± 0.009 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1036.69995 | -1036.69995 ± 0.009 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 | 0 | ✓ |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | ✓ |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 | 0 | ✓ |
| VehDyn_MaxOffset_HwDeg_M_f32 | 658.69397 | 658.69397 | ✓ |
| VehDyn_MinOffset_HwDeg_M_f32 | -38.3699951 | -38.3699989 | ✓ |
| VehDyn_PinTrqSV_M_str.SV_UIs_f32 | 17.7910023 | 17.7910042 ± 0.00009 | ✓ |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 1662097408 | 1662097408 | ✓ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 1 | 1 ± 0.004 | ✓ |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | -1600 | -1600 ± 0.1 | ✓ |

| T | | | | ✓ |
|----------------------------------------------------|-------|----------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |

| Test Step 2.63 (Repeat Count = 1) | |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|
| Name | Input Value |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| GetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| /ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 |
| /ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 138.800003 |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 216.800003 |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 1.79999995 |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 86.8000031 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 10412 |
| /ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 3277 |
| /ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 2138628886 |
| /ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 2553156835 |
| /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1307.94995 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000768000027 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1307.94995 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000768000027 |
| /ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 580.099976 |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 86 |
| /ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 8 |
| /ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 45.2000008 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 33198 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 7778 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 2138628886 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 2553156835 |



| Name | Input Value | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|-----------------|--------|
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1307.94995 | | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 2.51327106e-006 | | |
| VehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32 | 1307.94995 | | |
| VehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32 | 0.000898000028 | | |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | | |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 | | |
| VehDyn AutoCntrHiSpd M str.Filter1Initialized Cnt Igc | 1 | | |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | | |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 138.699997 | | |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 216.100006 | | |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 1.70000005 | | |
| VehDyn AutoCntrLoSpd M str.CntrWindow HwDeg f32 | 86.0999985 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 10412 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 3277 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 2138628886 | | |
| VehDyn AutoCntrLoSpd M str.Timer2 mS u32 | 2553156835 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1307.94995 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 4.8599999e-005 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1307.94995 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000768000027 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | | |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 0 | | |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | 1097.43005 | | |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 | | |
| VehDyn_Initialize_Cnt_M_lgc | 0 | | |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | | |
| VehDyn_MaxOffset_HwDeg_M_f32 | 663.685974 | | |
| VehDyn_MinOffset_HwDeg_M_f32 | -1044.79797 | | |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | -7 | | |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000380999991 | | |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.101999998 | | |
| VehDyn_SLPHwPos_HwDeg_M_f32 | -983.809998 | | |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 1117112832 | | |
| k_HiSpdVDAuthority_Uls_f32 | 0 | | |
| k_HwTqMgnThd_HwNm_f32 | 6.32000017 | | |
| k_LoSpdVDAuthority_Uls_f32 | 0.566999972 | | |
| k_SrlHwAgVldTiThd_mS_u32 | 1000 | | |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 85.0999985 | | |
| k_TravelXCDeadband_Uls_f32 | 86.2099991 | | |
| k_TraveIXCHwAuthority_Uls_f32 | 0.0876749977 | | |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 402713344 | | |
| target_GetSystemTime_mS_u32_CurrentTime | 2659241984 | | |
| $target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTi$ | 3437401088 | | |
| $target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime$ | 1117112832 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f3 | 2 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRac | lpS_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f3 | 32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_U | Jls_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_Hv | vDeg_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_MtrN | Nm_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc | target_VehDyn_Per1_VehicleSpeedValid_C | nt_lgc | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph_f3 | 32 | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -1068.81006 | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 1018.75299 | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | -6.32000017 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | 88.5999985 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | 1307.94995 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 0 | | |
| target_VehDyn_Per1_SriHwAg_HwDeg_f32.value | -983.809998 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | 1.29999995 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 1 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 135.5 | | |
| Name | Actual Value | Expected Value | Result |
| Name | | | |
| | 1 | 1 | |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 1 2138628886 | 1 2138628886 | • |



| Name | Actual Value | Expected Value | Result |
|------------------------------------------------------------------|--------------|------------------------|----------|
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1307.94995 | 1307.94995 ± 0.009 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1307.94995 | 1307.94995 ± 0.009 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 2138628886 | 2138628886 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 2659241984 | 2659241984 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1307.94995 | 1307.94995 ± 0.009 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1307.94995 | 1307.94995 ± 0.009 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 2138628886 | 2138628886 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 2553156835 | 2553156835 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1307.94995 | 1307.94995 ± 0.009 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1307.94995 | 1307.94995 ± 0.009 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 | 1 | ✓ |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | 1 | ✓ |
| VehDyn_MaxOffset_HwDeg_M_f32 | 1018.75299 | 1018.75299 | ~ |
| VehDyn_MinOffset_HwDeg_M_f32 | -1068.81006 | -1068.81006 | ✓ |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | -6.99973488 | -6.99973488 ± 0.000009 | ~ |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 1117112832 | 1117112832 | ~ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 0.101999998 | 0.101999998 ± 0.004 | ~ |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | 324.139954 | 324.140015 ± 0.1 | ~ |

| Τ | | | ✓ | |
|----------------------------------------------------|-------|----------------------------------------------------|----------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | • |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| DtrmnElapsedTime_mS_u32 | 1 | DtrmnElapsedTime_mS_u32 | 1 | ✓ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| DtrmnElapsedTime_mS_u32 | 1 | DtrmnElapsedTime_mS_u32 | 1 | ~ |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |

| Test Step 2.64 (Repeat Count = 1) | ✓ |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|
| Name | Input Value |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| GetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 86.9000015 |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 156.899994 |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 2.9000001 |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 42.9000015 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 16683 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 22497 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 2345892860 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 2760420809 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -893.640015 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000769999984 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -893.640015 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000769999984 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 621 |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 96.1999969 |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 4.19999981 |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 78 |



| | (|
|-----------------------------------------------------------------------|------------------------------------------------|
| Name | Input Value |
| | 21335 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 34188 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 2345892860 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 2760420809 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -893.640015 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.00125584786 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -893.640015 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000899999985 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 86.0999985 |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 156.699997 |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 2.0999999 |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 42.7000008 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 16683 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 22497 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 2345892860 |
| VehDyn AutoCntrLoSpd M str.Timer2 mS u32 | 2760420809 |
| | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -893.640015 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 4.8999984e-005 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -893.640015 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000769999984 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| | |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 1 |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | 1197.33997 |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 |
| VehDyn_Initialize_Cnt_M_lgc | 0 |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 |
| VehDyn MaxOffset HwDeg M f32 | 668.677979 |
| VehDyn_MinOffset_HwDeg_M_f32 | -1038.11401 |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 6.30000019 |
| | 0.000381999998 |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.0869999975 |
| VehDyn_SLPHwPos_HwDeg_M_f32 | -973.549988 |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 2127166208 |
| k_HiSpdVDAuthority_Uls_f32 | 1 |
| k_HwTqMgnThd_HwNm_f32 | 1 |
| k LoSpdVDAuthority Uls f32 | 0.449999988 |
| k SrlHwAgVldTiThd mS u32 | 20045 |
| | |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 96 |
| k_TravelXCDeadband_Uls_f32 | 87.6500015 |
| k_TravelXCHwAuthority_Uls_f32 | 0.0888999999 |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 4178051584 |
| target_GetSystemTime_mS_u32_CurrentTime | 2942063360 |
| target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedT | 3494315776 |
| target Rte Call Ap VehDyn SystemTime GetSystemTime mS u32 CurrentTime | |
| target Rte Inst Ap VehDyn.VehDyn Per1 CcwEOT HwDeg f32 | target VehDyn Per1 CcwEOT HwDeg f32 |
| · · · · · · · · · | · - / |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_Uls_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target VehDyn Per1 SrlHwAg HwDeg f32 |
| | V |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc | target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph_f32 |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -1062.55005 |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 1029.66003 |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | -6.900001 |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | -75.5 |
| target VehDyn Per1 RelHwPos HwDeg f32.value | -893.640015 |
| · - · ·- | |
| target_VehDyn_Per1_SrlHwAgVId_Cnt_lgc.value | 0 |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | -973.549988 |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | 5.5999999 |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 0 |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 354.700012 |
| | |



| Name | Actual Value | Expected Value | Result |
|------------------------------------------------------------------|--------------|-----------------------|----------|
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 2345892860 | 2345892860 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 2760420809 | 2760420809 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -893.640015 | -893.640015 ± 0.0009 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -893.640015 | -893.640015 ± 0.0009 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 2942063360 | 2942063360 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 2760420809 | 2760420809 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -893.640015 | -893.640015 ± 0.0009 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -893.640015 | -893.640015 ± 0.0009 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 2942063360 | 2942063360 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 2760420809 | 2760420809 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -893.640015 | -893.640015 ± 0.0009 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -893.640015 | -893.640015 ± 0.0009 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 | 0 | ✓ |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 | 0 | ✓ |
| VehDyn_MaxOffset_HwDeg_M_f32 | 1029.66003 | 1029.66003 | ~ |
| VehDyn_MinOffset_HwDeg_M_f32 | -1062.55005 | -1062.55005 | ~ |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 6.29498005 | 6.29498005 ± 0.000009 | ~ |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 2127166208 | 2127166208 | ~ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 1 | 1 ± 0.004 | ~ |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | -1600 | -1600 ± 0.1 | ~ |

| T . | | | V | |
|----------------------------------------------------|-------|----------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ✓ |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |

| Test Step 2.65 (Repeat Count = 1) | ✓ |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|
| Name | Input Value |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| GetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 539.099976 |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 166.100006 |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 5.0999999 |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 41.0999985 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 12258 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 36416 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 2160073393 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 274107514 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 616.409973 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000771999999 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 616.409973 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000771999999 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 100 |



| Name | Input Value |
|-----------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 166.100006 |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 6 |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 56.4000015 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 53970 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 52282 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 2160073393 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 274107514 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 616.409973 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000566000002 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 616.409973 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000902 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 539.119995 |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 166.020004 |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 5.11999989 |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 41.0200005 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 12258 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 36416 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 2160073393 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 274107514 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 616.409973 4.94000014e-005 |
| | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 616.409973 0.000771999999 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable Cnt lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 0 |
| VehDyn ForceCenterDffset HwDeg M f32 | 1297.25 |
| VehDyn HiSpdLearnt Cnt M Igc | 0 |
| VehDyn_Initialize_Cnt_M_lgc | 1 |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 |
| VehDyn MaxOffset HwDeg M f32 | -673.669983 |
| VehDyn_MinOffset_HwDeg_M_f32 | -1031.43005 |
| VehDyn_PinTrqSV_M_str.SV_UIs_f32 | 7.5999999 |
| VehDyn_PinTrqSV_M_str.K_UIs_f32 | 0.000383000006 |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.071999969 |
| VehDyn_SLPHwPos_HwDeg_M_f32 | -963,289978 |
| VehDyn SrlHwAgVldTimer mS M u32 | 4243378688 |
| k HiSpdVDAuthority Uls f32 | 0.200000003 |
| k_HwTqMgnThd_HwNm_f32 | 1.5 |
| k LoSpdVDAuthority Uls f32 | 0.370000005 |
| k SrlHwAgVldTiThd mS u32 | 951 |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 97.0999985 |
| k_TravelXCDeadband_Uls_f32 | 89.0899963 |
| k_TravelXCHwAuthority_Uls_f32 | 0.090125002 |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 569984000 |
| target_GetSystemTime_mS_u32_CurrentTime | 4077829376 |
| target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedT | 463842816 |
| target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime | 4243378688 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_Uls_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc | target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph_f32 |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -1056.29004 |
| arget_VehDyn_Per1_CwEOT_HwDeg_f32.value | 1040.56702 |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | -7.48000002 |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | -835.599976 |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | 616.409973 |
| | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 1 |





| Name | Input Value |
|---------------------------------------------------------------------------------------------------------------|------------------------------------------------|
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| | 124 |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 176 |
| | |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 8 |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 54.0999985 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 20423 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 31368 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 1024 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1014.73999 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000577999977 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1600 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000907999987 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 126.199997 |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 236.300003 |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 4.30000019 |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 32.2999992 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 20423 |
| VehDyn AutoCntrLoSpd M str.Timer2Thresh mS u16 | 31368 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 2138628886 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 1024 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1014.73999 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 5.2999998e-005 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1014.73999 |
| | 0.00079000002 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 0 |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | -1000.67999 |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 |
| VehDyn_Initialize_Cnt_M_lgc | 1 |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 |
| VehDyn_MaxOffset_HwDeg_M_f32 | 15.6000004 |
| VehDyn_MinOffset_HwDeg_M_f32 | 16.7000008 |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 1.5 |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000391999987 |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.0970000029 |
| VehDyn_SLPHwPos_HwDeg_M_f32 | -870.950012 |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 2659241984 |
| k_HiSpdVDAuthority_Uls_f32 | 1 |
| k HwTqMgnThd HwNm f32 | 3.0999999 |
| k LoSpdVDAuthority Uls f32 | 0 |
| k SrlHwAgVldTiThd mS u32 | 4891 |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 86.5 |
| k_TraveIXCDeadband_Uls_f32 | 97.1100006 |
| k TravelXCHwAuthority Uls f32 | 0.101149999 |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 2659241984 |
| target GetSystemTime mS u32 CurrentTime | |
| target_GetSystem1ime_mS_u32_Current1ime target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedT | 2127166208 |
| | |
| target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_Uls_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc | target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph_f32 |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -999.950012 |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 1138.72998 |
| target VehDyn Per1 HwTorque HwNm f32.value | 8.53999996 |
| 0) | |



| Name | Input Value | | |
|------------------------------------------------------------------|--------------|-----------------------|----------|
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | -456.899994 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | -1014.73999 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 1 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | -870.950012 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | -8 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 0 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 42.3600006 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 2138628886 | 2138628886 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 1024 | 1024 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1014.73999 | -1014.73999 ± 0.009 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1014.73999 | -1014.73999 ± 0.009 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 2127166208 | 2127166208 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 1024 | 1024 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1014.73999 | -1014.73999 ± 0.009 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1600 | -1600 ± 0.009 | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 2127166208 | 2127166208 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 1024 | 1024 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1014.73999 | -1014.73999 ± 0.009 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1014.73999 | -1014.73999 ± 0.009 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 | 0 | ✓ |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | ✓ |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 | 0 | ✓ |
| VehDyn_MaxOffset_HwDeg_M_f32 | 15.6000004 | 15.6000004 | ✓ |
| VehDyn_MinOffset_HwDeg_M_f32 | 16.7000008 | 16.7000008 | ✓ |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 1.50272346 | 1.50272346 ± 0.000009 | ~ |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 2659241984 | 2659241984 | ✓ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 0.0970000029 | 0.0970000029 ± 0.004 | ✓ |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | -1600 | -1600 ± 0.1 | ~ |

| Τ | | | ✓ | |
|----------------------------------------------------|-------|----------------------------------------------------|----------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | ✓ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | - |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ✓ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | - |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | • |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |

| Test Step 2.67 (Repeat Count = 1) | ✓. |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|
| Name | Input Value |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| GetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 200.300003 |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 186.100006 |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 7.0999999 |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 88.0999985 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 26195 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 22037 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 4004004656 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 54822322 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1600 |



| | (14 17 10 10 |
|----------------------------------------------------------------------|------------------------------------------------|
| Name | Input Value |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000823999988 |
| VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32 | 1600 |
| · - · | 0.00823999988 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 120 |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 52.0999985 |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 16 |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 78.1999969 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 32821 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 53946 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 4004004656 |
| VehDyn AutoCntrHiSpd M str.Timer2 mS u32 | 54822322 |
| VehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32 | 1600 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000612000003 |
| | 1600 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000216 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 200.699997 |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 146.699997 |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 7.69999981 |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 52.2000008 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 43190 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 3186 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 4004004656 |
| | 54822322 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1600 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 5.98000006e-005 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1600 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000823999988 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| VehDyn ForceCenterEnabled Cnt M Igc | 1 |
| VehDyn ForceCenterOffset HwDeg M f32 | 697.789978 |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 |
| VehDyn Initialize Cnt M Igc | 0 |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 |
| VehDyn_MaxOffset_HwDeg_M_f32 | 803.461975 |
| VehDyn MinOffset HwDeg M f32 | |
| , = = = 0= = | -857.645996 |
| VehDyn_PinTrqSV_M_str.SV_UIs_f32 | -5.4000001 |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000409 |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.386000007 |
| /ehDyn_SLPHwPos_HwDeg_M_f32 | -696.530029 |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 89763 |
| C_HiSpdVDAuthority_Uls_f32 | 0 |
| <_HwTqMgnThd_HwNm_f32 | 0.00120000006 |
| k LoSpdVDAuthority UIs f32 | 1 |
| <pre>c_SrlHwAgVldTiThd_mS_u32</pre> | 90 |
| SysKinRatio MtrDegpHwDeg f32 | 96.0999985 |
| k TravelXCDeadband Uls f32 | 79.5999985 |
| k TravelXCHwAuthority Uls f32 | 0.121974997 |
| | |
| arget_DtrmnElapsedTime_mS_u32_ElapsedTime | 824746752 |
| target_GetSystemTime_mS_u32_CurrentTime | 1759885568 |
| target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_Elapse | |
| target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTir | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 |
| arget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_Uls_f32 |
| target_Rte_Inst_Ap_vehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 |
| | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAgVld_Cnt_Igc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc | target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc |
| | |



| | | | adollar |
|------------------------------------------------------------------|-----------------------------|------------------------|----------|
| Name | Input Value | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_Vehicles | Speed_Kph_f32 | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -893.530029 | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 1324.14905 | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | 3.4000001 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | 1023.04999 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | 1600 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 0 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | -696.530029 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | 5.5999999 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 1 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 36.7700005 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn AllowHiSpdAutoCntr Cnt M Igc | 0 | 0 | ~ |
| VehDyn AutoCntrDetSpd M str.Timer1 mS u32 | 1759885568 | 1759885568 | ~ |
| VehDyn AutoCntrDetSpd M str.Timer2 mS u32 | 54822322 | 54822322 | |
| VehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32 | 1600 | 1600 ± 0.009 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1600 | 1600 ± 0.009 | _ |
| VehDyn AutoCntrDetSpd M str.Filter1Enable Cnt lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 4004004656 | 4004004656 | ✓ |
| VehDyn AutoCntrHiSpd M str.Timer2 mS u32 | 54822322 | 54822322 | ~ |
| VehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32 | 1600 | 1600 ± 0.009 | ✓ |
| VehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32 | 1600 | 1600 ± 0.009 | ~ |
| VehDyn AutoCntrHiSpd M str.Filter1Enable Cnt lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 4004004656 | 4004004656 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 54822322 | 54822322 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1600 | 1600 ± 0.0009 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1600 | 1600 ± 0.009 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | • |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 | 1 | ✓ |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | • |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | 1 | ✓ |
| VehDyn_MaxOffset_HwDeg_M_f32 | 1324.14905 | 1324.14905 | • |
| VehDyn_MinOffset_HwDeg_M_f32 | -893.530029 | -893.530029 | ✓ |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | -5.39637709 | -5.39637709 ± 0.000009 | • |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 89763 | 89763 | ~ |
| | | | |

| T | | | | | |
|----------------------------------------------------|-------|----------------------------------------------------|-------|----------|--|
| Actual Function | Count | Expected Function | Count | Result | |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ | |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | ~ | |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ | |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ | |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ | |

902.210022

1 ± 0.004

902.210022 ± 0.1

| Test Step 2.68 (Repeat Count = 1) | | |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|--|
| Name | Input Value | |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime | |
| GetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime | |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime | |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime | |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn | |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 0 | |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 100.099998 | |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 186.100006 | |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 14.1000004 | |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 86.0999985 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 32821 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 53946 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 2967684784 | |

target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value

target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value



| Name | Input Value |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 3382212733 |
| VehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32 | -136.300003 |
| VehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32 | 0.000777999987 |
| VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32 | -136.300003 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000777999987 |
| | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 138.199997 |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 126.199997 |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 12 |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 52.4000015 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 32821 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 53946 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 2967684784 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 3382212733 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -136.300003 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000566000002 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 0 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000907999987 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| VehDyn AutoCntrHiSpd M str.Filter1Initialized Cnt Igc | 1 |
| VehDyn AutoCntrHiSpd M str.Filter2Initialized Cnt Igc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 100.099998 |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 186.5 |
| VehDyn AutoCntrLoSpd M str.FiltPinTrg HwNm f32 | 14.1000004 |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 86.5 |
| | |
| VehDyn_AutoCntrl_oSpd_M_str.Timer1Thresh_mS_u16 | 32821 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 53946 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 2967684784 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 3382212733 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -136.300003 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 5.05999997e-005 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -136.300003 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000777999987 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 1 |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | 1596.97998 |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 |
| VehDyn_Initialize_Cnt_M_lgc | 0 |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 |
| VehDyn_MaxOffset_HwDeg_M_f32 | 688.645996 |
| VehDyn_MinOffset_HwDeg_M_f32 | -1011.37799 |
| VehDyn PinTrqSV M str.SV Uls f32 | 8.89999962 |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000386 |
| VehDyn SLPHwAuth Uls M f32 | 0.0270000007 |
| VehDyn_SLPHwPos_HwDeg_M_f32 | -932.51001 |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 1316564736 |
| k_HiSpdVDAuthority_Uls_f32 | 0 |
| | |
| k_HwTqMgnThd_HwNm_f32 | 1.10000002 |
| k_LoSpdVDAuthority_UIs_f32 | 0.560000002 |
| k_SrlHwAgVldTiThd_mS_u32 | 70 |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 41.099985 |
| k_TravelXCDeadband_Uls_f32 | 93.4100037 |
| k_TravelXCHwAuthority_Uls_f32 | 0.0938000008 |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 2212175616 |
| target_GetSystemTime_mS_u32_CurrentTime | 3437401088 |
| $target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTim$ | Ti 1117112832 |
| $target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTim$ | e 1316564736 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_Uls_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 |
| w.goo_mot_rp_vonDyn.vonDyn_r or 1_onnw/rg_rwDeg_toz | angot_ short or _on an ig_imbog_loz |



| | | • | |
|------------------------------------------------------------------|----------------------------|-----------------------|----------|
| Name | Input Value | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_Torque | CmdCRF_MtrNm_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc | target_VehDyn_Per1_Vehicle | SpeedValid_Cnt_lgc | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_Vehicle | Speed_Kph_f32 | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -1037.51001 | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 1073.28796 | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | -6.01000023 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | -897.599976 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | -136.300003 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 0 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | -932.51001 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | -1.89999998 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 1 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 452.540009 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 3437401088 | 3437401088 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 3382212733 | 3382212733 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -136.300003 | -136.300003 ± 0.0009 | • |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -136.300003 | -136.300003 ± 0.0009 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 2967684784 | 2967684784 | • |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 3382212733 | 3382212733 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -136.300003 | -136.300003 ± 0.0009 | • |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 0 | 0 ± 0.000009 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 2967684784 | 2967684784 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 3382212733 | 3382212733 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -136.300003 | -136.300003 ± 0.0009 | • |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -136.300003 | -136.300003 ± 0.0009 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 | 1 | • |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | 1 | ✓ |
| VehDyn_MaxOffset_HwDeg_M_f32 | 1073.28796 | 1073.28796 | ~ |
| VehDyn_MinOffset_HwDeg_M_f32 | -1037.51001 | -1037.51001 | ✓ |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 8.89422607 | 8.89422703 ± 0.000009 | ~ |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 1316564736 | 1316564736 | ~ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 1 | 1 ± 0.004 | ~ |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | -1600 | -1600 ± 0.1 | ✓ |

| T | | | | V |
|----------------------------------------------------|-------|----------------------------------------------------|-------|--------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | • |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | • |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |

| Test Step 2.69 (Repeat Count = 1) | | |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|--|
| Name | Input Value | |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime | |
| GetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime | |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime | |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime | |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn | |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 | |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 124.699997 | |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 196.699997 | |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 18.7000008 | |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 96.6999969 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 40437 | |



| Name | Input Value |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 13059 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 3174948758 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 3589476707 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -444.839996 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000780000002 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -444.839996 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000780000002 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 86 |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 136 |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 10.1000004 |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 10 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 40437 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 13059 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 3174948758 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 3589476707 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -444.839996 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000568000018 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 448.5 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 | 0.000910000002 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 124.800003 |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 196.100006 |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 18.7999992 |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 96.0999985 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 40437 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 13059 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 3174948758 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 3589476707 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -444.839996 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 5.09999991e-005 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -444.839996 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000780000002 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 1 |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | -1500.22998 |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 |
| VehDyn_Initialize_Cnt_M_lgc | 1 |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 |
| VehDyn_MaxOffset_HwDeg_M_f32 | 693.638 |
| VehDyn_MinOffset_HwDeg_M_f32 | -1004.69397 |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 13.8999996 |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000387000007 |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.0120000001 |
| VehDyn_SLPHwPos_HwDeg_M_f32 | -922.25 |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 2075080192 |
| k_HiSpdVDAuthority_Uls_f32 | 1 |
| k_HwTqMgnThd_HwNm_f32 | 1.20000005 |
| k_LoSpdVDAuthority_Uls_f32 | 0.76880002 |
| k_SrlHwAgVldTiThd_mS_u32 | 456 |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 63.2999992 |
| k_TravelXCDeadband_Uls_f32 | 94.8499985 |
| k_TravelXCHwAuthority_Uls_f32 | 0.095025003 |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 2059598336 |
| target_GetSystemTime_mS_u32_CurrentTime | 3494315776 |
| $target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseD$ | 2127166208 |
| target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime | 2075080192 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_Uls_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 |
| | |



| Name | Input Value | | |
|------------------------------------------------------------------|---------------------------------|----------------------|----------|
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc | target_VehDyn_Per1_SrlHwAgVld_ | _Cnt_lgc | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_Hw | /Deg_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdC | CRF_MtrNm_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc | target_VehDyn_Per1_VehicleSpeed | dValid_Cnt_lgc | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed | d_Kph_f32 | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -1031.25 | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 1084.19495 | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | -8 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | 154.399994 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | -444.839996 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 1 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | -922.25 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | 8.19999981 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 0 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 423.450012 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 3174948758 | 3174948758 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 3589476707 | 3589476707 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -444.839996 | -444.839996 ± 0.0009 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -444.839996 | -444.839996 ± 0.0009 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 3494315776 | 3494315776 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 3589476707 | 3589476707 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -444.839996 | -444.839996 ± 0.0009 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 448.5 | 448.5 ± 0.0009 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 3494315776 | 3494315776 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 3589476707 | 3589476707 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -444.839996 | -444.839996 ± 0.0009 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -444.839996 | -444.839996 ± 0.0009 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 | 0 | ✓ |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 | 0 | ✓ |
| VehDyn_MaxOffset_HwDeg_M_f32 | 693.638 | 693.638 | ~ |
| VehDyn_MinOffset_HwDeg_M_f32 | -586.410034 | -586.409973 | ✓ |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 13.8915749 | 13.8915749 ± 0.00009 | ~ |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 2075080192 | 2075080192 | ✓ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 1 | 1 ± 0.004 | ~ |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | 1055.39001 | 1055.39001 ± 0.1 | ✓ |
| | | | |

| Т | | | | ✓ |
|----------------------------------------------------|-------|----------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | • |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | • |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | - |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ✓ |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | • |

| Test Step 2.70 (Repeat Count = 1) | · · |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|
| Name | Input Value |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| GetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 120.099998 |



| | (|
|---------------------------------------------------------------------------|--------------------------------------|
| Name | Input Value |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 106.09998 |
| VehDyn AutoCntrDetSpd M str.FiltPinTrg HwNm f32 | 8.10000038 |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 56.099985 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 25532 |
| | 27401 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 2345892860 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 3174948758 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -339.980011 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000807999982 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -339.980011 |
| VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32 | 0.000807999982 |
| VehDyn AutoCntrDetSpd M str.Filter1Enable Cnt lgc | 0 |
| VehDyn AutoCntrDetSpd M str.Filter2Enable Cnt lgc | 0 |
| , <u> </u> | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | l' |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 10.3999996 |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 236 |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 4.0999999 |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 97.4000015 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 7034 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 39056 |
| VehDyn AutoCntrHiSpd M str.Timer1 mS u32 | 2345892860 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 3174948758 |
| | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -339.980011 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.00059599998 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -339.980011 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000184000004 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| | |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 98.4000015 |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 0 |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 10.3000002 |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 12.1999998 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 13352 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 14442 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 2345892860 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 3174948758 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -339.980011 |
| | 5.66000017e-005 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -339.980011 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000807999982 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| VehDyn ForceCenterEnabled Cnt M Igc | 0 |
| VenDyn_ForceCenterEnabled_Cnt_M_igc VenDyn_ForceCenterOffset_HwDeq_M_f32 | -101.489998 |
| , | |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 |
| VehDyn_Initialize_Cnt_M_lgc | 0 |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 |
| VehDyn_MaxOffset_HwDeg_M_f32 | 763.526001 |
| VehDyn_MinOffset_HwDeg_M_f32 | -911.117981 |
| VehDyn_PinTrqSV_M_str.SV_UIs_f32 | 7.5999999 |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.00040099998 |
| VenDyn_Fiiffiq3v_iw_sti.k_Uis_i32 VehDyn_SLPHwAuth_Uis_M_f32 | 0.25 |
| · | |
| VehDyn_SLPHwPos_HwDeg_M_f32 | -778.609985 |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 1050692864 |
| k_HiSpdVDAuthority_Uls_f32 | 0 |
| k_HwTqMgnThd_HwNm_f32 | 6.32000017 |
| k_LoSpdVDAuthority_Uls_f32 | 1 |
| k_SrlHwAgVldTiThd_mS_u32 | 701 |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 32.099985 |
| k TravelXCDeadband Uls f32 | 87.8399963 |
| | |
| k_TravelXCHwAuthority_Uls_f32 | 0.112175003 |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 2127166208 |
| target_GetSystemTime_mS_u32_CurrentTime | 309385728 |
| target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedTi | 3437401088 |
| target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime | 1050692864 |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f32 |
| gso_mot_rp_vonbyvonbyn_rori_nwrorque_riwinii_ioz | goobyi_i or _init orquo_initiali_loz |



Name Input Value



| | (|
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|
| Name | Input Value |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 88.0999985 |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 216.100006 |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 18.1000004 |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 78.0999985 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 38868 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 57944 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 3589476707 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 4004004656 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 710.950012 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000783999974 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 710.950012 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000783999974 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 96.099985 |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 156 |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 4.19999981 |
| VehDyn AutoCntrHiSpd M str.CntrWindow HwDeg f32 | 86.4000015 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 38868 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 57944 |
| VehDyn AutoCntrHiSpd M str.Timer1 mS u32 | 3589476707 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 4004004656 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 710.950012 |
| VehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32 | 0.00057199999 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 710.950012 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 2.51327106e-006 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 88.5 |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 216.600006 |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 18.5 |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 78.5999985 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 38868 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 57944 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 3589476707 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 4004004656 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 710.950012 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 5.18000015e-005 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 | 710.950012 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0.000783999974 |
| · - · · | 1 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| VehDyn_AdioChtrLoSpd_M_str.Filter2Initialized_Cht_lgc | 1 |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 0 |
| VehDyn ForceCenterOffset HwDeg M f32 | -1300.41003 |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 |
| VehDyn Initialize Cnt M Igc | 0 |
| VehDyn LoSpdLearnt Cnt M lgc | 0 |
| VehDyn_MaxOffset_HwDeg_M_f32 | 703.622009 |
| VehDyn_MinOffset_HwDeg_M_f32 | -991.325989 |
| VehDyn_PinTrqSV_M_str.SV_UIs_f32 | -5.400001 |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000388999993 |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.0460000001 |
| VehDyn_SLPHwPos_HwDeg_M_f32 | -901.72998 |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 2728878080 |
| L LiCad / DA athority Lilla 522 | |
| K_HISPUVDAUITOTILY_UIS_132 | 1 |
| k_HwTqMgnThd_HwNm_f32 | 0.00120000006 |
| k_HwTqMgnThd_HwNm_f32 k_LoSpdVDAuthority_UIs_f32 | |
| k_HwTqMgnThd_HwNm_f32 k_LoSpdVDAuthority_UIs_f32 | 0.00120000006 |
| k_HwTqMgnThd_HwNm_f32 k_LoSpdVDAuthority_Uls_f32 k_SrlHwAgVldTiThd_mS_u32 | 0.00120000006 0 |
| k_LoSpdVDAuthority_Uls_f32 k_SrlHwAgVldTiThd_mS_u32 k_SysKinRatio_MtrDegpHwDeg_f32 k_TraveIXCDeadband_Uls_f32 | 0.00120000006 0 987 75.0999985 97.7300034 |
| k_HwTqMgnThd_HwNm_f32 k_LoSpdVDAuthority_Uls_f32 k_SrlHwAgVldTiThd_mS_u32 k_SysKinRatio_MtrDegpHwDeg_f32 k_TravelXCDeadband_Uls_f32 k_TravelXCHwAuthority_Uls_f32 | 0.00120000006 0 987 75.0999985 97.7300034 0.0974749997 |
| k_HwTqMgnThd_HwNm_f32 k_LoSpdVDAuthority_Uls_f32 k_SrlHwAgVIdTiThd_mS_u32 k_SysKinRatio_MtrDegpHwDeg_f32 k_TravelXCDeadband_Uls_f32 k_TravelXCHwAuthority_Uls_f32 target_DtrmnElapsedTime_mS_u32_ElapsedTime | 0.00120000006 0 987 75.0999985 97.7300034 0.0974749997 569984000 |
| k_HwTqMgnThd_HwNm_f32 k_LoSpdVDAuthority_Uls_f32 k_SrlHwAgVldTiThd_mS_u32 k_SysKinRatio_MtrDegpHwDeg_f32 k_TravelXCDeadband_Uls_f32 k_TravelXCHwAuthority_Uls_f32 target_DtrmnElapsedTime_mS_u32_ElapsedTime target_GetSystemTime_mS_u32_CurrentTime | 0.00120000006 0 987 75.0999985 97.7300034 0.0974749997 569984000 1759885568 |
| k_HwTqMgnThd_HwNm_f32 k_LoSpdVDAuthority_Uls_f32 k_SrlHwAgVldTiThd_mS_u32 k_SysKinRatio_MtrDegpHwDeg_f32 k_TravelXCDeadband_Uls_f32 k_TravelXCHwAuthority_Uls_f32 target_DtrmnElapsedTime_mS_u32_ElapsedTime target_GetSystemTime_mS_u32_CurrentTime target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed | 0.00120000006 0 987 75.0999985 97.7300034 0.0974749997 569984000 1759885568 TI 1050692864 |
| k_HwTqMgnThd_HwNm_f32 k_LoSpdVDAuthority_Uls_f32 k_SrlHwAgVldTiThd_mS_u32 k_SysKinRatio_MtrDegpHwDeg_f32 k_TravelXCDeadband_Uls_f32 k_TravelXCHwAuthority_Uls_f32 target_DtrmnElapsedTime_mS_u32_ElapsedTime target_GetSystemTime_mS_u32_CurrentTime | 0.00120000006 0 987 75.0999985 97.7300034 0.0974749997 569984000 1759885568 TI 1050692864 |



| Name | Input Value | | |
|-------------------------------------------------------------------|-----------------------------------------|-----------------------|-------|
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDe | eg_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_ | MtrRadpS_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_Hw | /Deg_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAut | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHw | | |
| target Rte Inst Ap VehDyn.VehDyn Per1 SrlHwAgVld Cnt Igc | target_VehDyn_Per1_SrlHwAgVld_C | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwD | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCF | RF_MtrNm_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc | target_VehDyn_Per1_VehicleSpeed\ | /alid_Cnt_lgc | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_ | Kph_f32 | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -1018.72998 | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 1106.00903 | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | -4 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | 1009.29999 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | 710.950012 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 0 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | -901.72998 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | 4.9000001 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 0 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 123.449997 | | |
| Name | Actual Value | Expected Value | Resul |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 | 1 | |
| VehDyn AutoCntrDetSpd M str.Timer1 mS u32 | 3589476707 | 3589476707 | |
| VehDyn AutoCntrDetSpd M str.Timer2 mS u32 | 4004004656 | 4004004656 | |
| VehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32 | 710.950012 | 710.950012 ± 0.0009 | |
| VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32 | 710.950012 | 710.950012 ± 0.0009 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 1759885568 | 1759885568 | |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 4004004656 | 4004004656 | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 710.950012 | 710.950012 ± 0.0009 | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 710.950012 | 710.950012 ± 0.0009 | |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | |
| VehDyn AutoCntrHiSpd M str.Filter2Initialized Cnt Igc | 1 | 1 | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 1759885568 | 1759885568 | |
| VehDyn AutoCntrLoSpd M str.Timer2 mS u32 | 4004004656 | 4004004656 | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 710.950012 | 710.950012 ± 0.0009 | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 710.950012 | 710.950012 ± 0.0009 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | |
| VehDyn AutoCntrLoSpd M str.Filter2Enable Cnt Igc | 1 | 1 | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_Igc | 1 | 1 | |
| VehDyn AutoCntrLoSpd M str.Filter2Initialized Cnt lgc | 1 | 1 | |
| VehDyn HiSpdLearnt Cnt M Igc | 0 | 0 | |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | |
| VehDyn LoSpdLearnt Cnt M lgc | 0 | 0 | |
| VehDyn MaxOffset HwDeg M f32 | 1106.00903 | 1106.00903 | • |
| VehDyn MinOffset HwDeg M f32 | -1018.72998 | -1018.72998 | |
| VehDyn PinTrgSV M str.SV UIs f32 | -5.39943027 | -5.3994298 ± 0.000009 | |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 2728878080 | 2728878080 | |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 0.0460000001 | 0.0460000001 ± 0.004 | |
| | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 1 | 1 |

| T | | | | ✓ |
|----------------------------------------------------|-------|----------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | - |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Rte Call VehDvn Per1 CP1 CheckpointReached | 1 | Rte Call VehDvn Per1 CP1 CheckpointReached | 1 | _ |

| Test Step 2.72 (Repeat Count = 1) | ✓ |
|--------------------------------------|--------------------------------------------|
| Name | Input Value |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |



| Name | Input Value |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|
| GetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 94.8000031 |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 226.800003 |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 8.80000019 |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 96.8000031 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 53970 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 52282 |
| VehDyn AutoCntrDetSpd M str.Timer1 mS u32 | 3796740682 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 4211268631 |
| VehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32 | -714.090027 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.00078599999 |
| VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32 | -714.090027 |
| /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.00078599999 |
| /ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| | 0 |
| /ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| /ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | · · |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| /ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 100 |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 166.100006 |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 6 |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 56.2000008 |
| /ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 53970 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 52282 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 3796740682 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 4211268631 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -714.090027 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000574000005 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -714.090027 |
| VehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32 | 0.00125584786 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 94.4000015 |
| VehDyn AutoCntrLoSpd M str.VehSpd kph f32 | 226.5 |
| | 8.3999962 |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 96.5 |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 53970 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 52282 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 3796740682 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 4211268631 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -714.090027 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 5.22000009e-005 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -714.090027 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.00078599999 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| /ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| /ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 1 |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | -1200.5 |
| /ehDyn_HiSpdLearnt_Cnt_M_lgc | 1 |
| VehDyn_Initialize_Cnt_M_lgc | 0 |
| /ehDyn_LoSpdLearnt_Cnt_M_lgc | 1 |
| /ehDyn MaxOffset HwDeg M f32 | 708.614014 |
| /ehDyn_MinOffset HwDeg_M_132 | -984.642029 |
| /ehDyn_PinTrqSV_M_str.SV_UIs_f32 | 7.5999999 |
| | |
| /ehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.00039000001 |
| /ehDyn_SLPHwAuth_Uls_M_f32 | 0.063000001 |
| /ehDyn_SLPHwPos_HwDeg_M_f32 | -891.469971 |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 824746752 |
| k_HiSpdVDAuthority_Uls_f32 | 0.87999995 |
| c_HwTqMgnThd_HwNm_f32 | 1.10000002 |
| k_LoSpdVDAuthority_Uls_f32 | 1 |
| k_SrlHwAgVldTiThd_mS_u32 | 16445 |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 97.0999985 |
| k_TravelXCDeadband_Uls_f32 | 99.1699982 |
| k TravelXCHwAuthority Uls f32 | 0.0987000018 |
| k_TravelACHWAUHOHty_OIS_I32 | |



| Name | Input Value | | |
|----------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|-------------------------------|-------|
| target_GetSystemTime_mS_u32_CurrentTime | 1662097408 | | |
| target_cetsystemmine_ms_usz_current nine target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_usz_ElapsedTi | | | |
| target_Rte_Call_Ap_vehDyn_SystemTime_Btiffificapsedfiffe_mis_usz_Elapsedfiftetarget_Rte_Call_Ap_vehDyn_SystemTime_GetSystemTime_ms_usz_CurrentTime | 824746752 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 | target VehDyn Per1 CcwEOT HwDeg f32 | | |
| target Rte Inst Ap VehDyn.VehDyn Per1 CwEOT HwDeg f32 | target VehDyn Per1 CwEOT HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target VehDyn Per1 HwTorque HwNm f32 |) | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRad | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f3 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target VehDyn Per1 SensorlessAuthority L | | |
| target Rte Inst Ap VehDyn.VehDyn Per1 SensorlessHwPos HwDeg f32 | target_VehDyn_Per1_SensorlessHwPos_Hw | _ | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc | .50902 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 | | |
| target Rte Inst Ap VehDyn.VehDyn Per1 TorqueCmdCRF MtrNm f32 | target_VehDyn_Per1_TorqueCmdCRF_MtrN | lm f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc | target_VehDyn_Per1_VehicleSpeedValid_Cr | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph_f3 | | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -1012.46997 | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 1116.91602 | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | 7 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | -835.400024 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | -714.090027 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 0 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | -891.469971 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | 5.5999999 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 1 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 56.6539993 | | |
| Name | Actual Value | Expected Value | Resul |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 | 1 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 3796740682 | 3796740682 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 4211268631 | 4211268631 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -714.090027 | -714.090027 ± 0.0009 | • |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -714.090027 | -714.090027 ± 0.0009 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 1662097408 | 1662097408 | • |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 4211268631 | 4211268631 | • |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -714.090027 | -714.090027 ± 0.0009 | • |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -714.090027 | -714.090027 ± 0.0009 | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 3796740682 | 3796740682 | • |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 4211268631 | 4211268631 | • |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -714.090027 | -714.090027 ± 0.0009 | • |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -714.090027 | -714.090027 ± 0.0009 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | • |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 | 1 | • |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | • |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | 1 | • |
| VehDyn_MaxOffset_HwDeg_M_f32 | 1116.91602 | 1116.91602 | • |
| VehDyn_MinOffset_HwDeg_M_f32 | -1012.46997 | -1012.46997 | • |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 7.59978819 | 7.59978867 ± 0.000009 | • |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 824746752 | 824746752 | • |
| | | | |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | 1 486.409973 | 1 ± 0.004 486.410004 ± 0.1 | |

| T | | | | ✓ |
|----------------------------------------------------|-------|----------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ✓ |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |



| Test Step 2.73 (Repeat Count = 1) | Input Value |
|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------|
| OtrmnElapsedTime mS u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| | |
| GetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 44.599985 |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 166.600006 |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 4.5999999 |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 12.6000004 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 5235 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 27074 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 2553156835 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 2967684784 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 110.5 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000788000005 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 110.5 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000788000005 |
| /ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_Igc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| VehDyn AutoCntrHiSpd M str.MtrVel MtrRadpS f32 | 86 |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 123 |
| VehDyn_AutoChtrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 14.1000004 |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 42.4000015 |
| | 12258 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 36416 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 2553156835 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 2967684784 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 110.5 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.00057600002 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 110.5 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000566000002 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 44.5600014 |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 166.410004 |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 4.25 |
| VehDyn AutoCntrLoSpd M str.CntrWindow HwDeg f32 | 12.3999996 |
| VehDyn AutoCntrLoSpd M str.Timer1Thresh mS u16 | 5235 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 27074 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 2553156835 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_ms_us2 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 2967684784 |
| | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 110.5 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 5.26000003e-005 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 110.5 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000788000005 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 0 |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | -1100.58997 |
| /ehDyn_HiSpdLearnt_Cnt_M_lgc | 1 |
| VehDyn_Initialize_Cnt_M_lgc | 1 |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 |
| VehDyn_MaxOffset_HwDeg_M_f32 | 713.606018 |
| VehDyn MinOffset HwDeg M f32 | -977.958008 |
| VehDyn_PinTrqSV_M_str.SV_UIs_f32 | -1.60000002 |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000391000009 |
| VehDyn SLPHwAuth Uls M f32 | 0.0799999982 |
| | |
| VehDyn_SLPHwPos_HwDeg_M_f32 | -881.210022 |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 309385728 |
| k_HiSpdVDAuthority_Uls_f32 | 0 |
| k_HwTqMgnThd_HwNm_f32 | 2.099999 |
| LoSpdVDAuthority_Uls_f32 | 1 |
| k_SrlHwAgVldTiThd_mS_u32 | 32 |
| <_SysKinRatio_MtrDegpHwDeg_f32 | 10.3000002 |



| | | • | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|------------------------|----------|
| Name | Input Value | | |
| k_TravelXCDeadband_Uls_f32 | 98.1399994 | | |
| k_TravelXCHwAuthority_Uls_f32 | 0.0999249965 | | |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 4077829376 | | |
| target_GetSystemTime_mS_u32_CurrentTime | 1117112832 | | |
| $target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedT$ | 1316564736 | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime | 309385728 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRad | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f3 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_U | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_Hw | /Deg_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 | , ma | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_MtrN | _ | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc | target_VehDyn_Per1_VehicleSpeedValid_Cr | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph_f3 -1006.21002 | 2 | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 1127.823 | | |
| target VehDyn Per1 HwTorque HwNm f32.value | 8.02999973 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | 154.399994 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | 110.5 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 1 | | |
| target VehDyn Per1 SrlHwAg HwDeg f32.value | -881.210022 | | |
| target VehDyn Per1 TorqueCmdCRF MtrNm f32.value | -4.5999999 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 1 | | |
| target VehDyn Per1 VehicleSpeed Kph f32.value | 245.410004 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 1117112832 | 1117112832 | • |
| VehDyn AutoCntrDetSpd M str.Timer2 mS u32 | 2967684784 | 2967684784 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 110.5 | 110.5 ± 0.0009 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 110.5 | 110.5 ± 0.0009 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 2553156835 | 2553156835 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 2967684784 | 2967684784 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 110.5 | 110.5 ± 0.0009 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 110.5 | 110.5 ± 0.0009 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 2553156835 | 2553156835 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 2967684784 | 2967684784 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 110.5 | 110.5 ± 0.0009 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 110.5 | 110.5 ± 0.0009 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_MaxOffset_HwDeg_M_f32 | 713.606018 | 713.606018 | ~ |
| VehDyn_MinOffset_HwDeg_M_f32 | -977.958008 | -977.958008 | ~ |
| VehDyn_PinTrqSV_M_str.SV_UIs_f32 | -1.59640932 | -1.59640932 ± 0.000009 | ~ |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 309385728 | 309385728 | Y |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 0.0799999982 | 0.0799999982 ± 0.004 | ~ |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | -770.710022 | -770.710022 ± 0.1 | ✓ |
| | | | |

| T | | | | ✓ |
|----------------------------------------------------|-------|----------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |



| ame | Input Value |
|-------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|
| rmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| etSystemTime mS u32(CurrentTime) | target GetSystemTime mS u32 CurrentTime |
| e_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedTime |
| e_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| e_inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| hDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 |
| hDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 126.099998 |
| hDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 236.100006 |
| hDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 4.0999999 |
| hDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 32.0999985 |
| hDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 20423 |
| hDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 31368 |
| hDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 2138628886 |
| hDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 1024 |
| hDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1014.73999 |
| hDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.00079000002 |
| hDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1014.73999 |
| hDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.00079000002 |
| hDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| hDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| hDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| hDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| hDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 124 |
| hDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 176 |
| hDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 8 |
| hDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 54.0999985 |
| hDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 20423 |
| hDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 31368 |
| hDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 0 |
| hDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 1024 |
| hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1014.73999 |
| hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000577999977 |
| hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1014.73999 |
| hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000907999987 |
| hDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| hDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| hDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| hDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| hDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 126.199997 |
| hDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 236.300003 4.3000019 |
| hDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 hDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 32.2999992 |
| | |
| hDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 hDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 20423 31368 |
| hDyn_AutoCntrLoSpd_M_str.Timer2 Timesr_HS_u16 | 2138628886 |
| hDyn_AutoCntrLoSpd_M_str.Timer1_m5_u32 hDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | |
| | 1024 |
| hDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 hDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | -1014.73999 5.2999998e-005 |
| hDyn_AutoCntrLoSpd_M_str.ReinwPosFilt1SV_HwDeg_str.K_ois_is2 | -1014.73999 |
| hDyn_AutoCntrLoSpd_M_str.ReiHwPosFilt2SV_HwDeg_str.Sv_Uis_f32 hDyn_AutoCntrLoSpd_M_str.ReiHwPosFilt2SV_HwDeg_str.K_Uis_f32 | 0.00079000002 |
| hDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| hDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc hDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| hDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_igc | 1 |
| hDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| hDyn_AutoCriticoSpu_w_str.niterzinitaaizeu_crit_igc | 0 |
| hDyn ForceCenterOffset HwDeg M f32 | -1000.67999 |
| hDyn HiSpdLearnt Cnt M Igc | 0 |
| hDyn_Initialize_Cnt_M_lgc | 1 |
| hDyn_LoSpdLearnt_Cnt_M_lgc | 0 |
| hDyn_MaxOffset_HwDeg_M_f32 | 15.6000004 |
| hDyn_MinOffset_HwDeg_M_f32 | 16.7000008 |
| hDyn_PinTrqSV_M_str.SV_Uls_f32 | 1.5 |
| hDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000391999987 |
| hDyn_SLPHwAuth_Uls_M_f32 | 0.0970000029 |
| hDyn_SLPHwPos HwDeg M f32 | -870.950012 |
| hDyn_StrHwros_Hwbeg_iw_i52 hDyn_StrHwAgVIdTimer_mS_M_u32 | 2659241984 |
| HiSpdVDAuthority_UIs_f32 | 1 |
| HwTqMgnThd_HwNm_f32 | 3.0999999 |
| LoSpdVDAuthority Uls f32 | 0 |
| | 4891 |



| Name | Input Value | | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|
| k_SysKinRatio_MtrDegpHwDeg_f32 | 86.5 | | |
| k_TravelXCDeadband_Uls_f32 | 97.1100006 | | |
| k_TravelXCHwAuthority_UIs_f32 | 0.101149999 | | |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 2659241984 | | |
| target_GetSystemTime_mS_u32_CurrentTime | 2127166208 | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed | Ti 2075080192 | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_ | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm | _ | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_Mtrl | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg | _ | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthori | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc | target_VehDyn_Per1_SrlHwAgVld_Cnt_I | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_ | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_N | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc | target_VehDyn_Per1_VehicleSpeedValid | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph | 1_132 | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -999.950012 | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 1138.72998 | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | 8.53999996 -456.899994 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | -1014.73999 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | -870.950012 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | -8 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | 0 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 42.3600006 | | |
| | | Even a stand Malus | Daguile |
| Name VabDus Allaud Band Auto Cate Cate M. Inc. | Actual Value | Expected Value | Result |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | | 2138628886 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 2138628886 | 1024 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1014.73999 | -1014.73999 ± 0.009 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1014.73999 | -1014.73999 ± 0.009 | j |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | J |
| | 0 | 0 | |
| VehL)vn_AutoCntrDetSnd_M_str_Filter1Initialized_Cnt_lac | | | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_Igc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_Igc | | 0 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 2127166208 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 0 2127166208 | 2127166208 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 0 2127166208 1024 | 2127166208 1024 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_Igc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 0 2127166208 1024 -1014.73999 | 2127166208 1024 -1014.73999 ± 0.0009 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 0 2127166208 1024 -1014.73999 -1014.73999 | 2127166208 1024 -1014.73999 ± 0.0009 -1014.73999 ± 0.009 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 2127166208 1024 -1014.73999 -1014.73999 0 | 2127166208 1024 -1014.73999 ± 0.0009 -1014.73999 ± 0.009 0 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.ReiHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 2127166208 1024 -1014.73999 -1014.73999 | 2127166208 1024 -1014.73999 ± 0.0009 -1014.73999 ± 0.009 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 2127166208 1024 -1014.73999 -1014.73999 0 | 2127166208 1024 -1014.73999 ± 0.0009 -1014.73999 ± 0.009 0 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 2127166208 1024 -1014.73999 -1014.73999 0 0 | 2127166208 1024 -1014.73999 ± 0.0009 -1014.73999 ± 0.009 0 0 1 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.ReiHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 0 2127166208 1024 -1014.73999 -1014.73999 0 0 0 1 1 2127166208 | 2127166208 1024 -1014.73999 ± 0.0009 -1014.73999 ± 0.009 0 0 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.ReiHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 0 2127166208 1024 -1014.73999 -1014.73999 0 0 1 2127166208 1024 | 2127166208 1024 -1014.73999 ± 0.0009 -1014.73999 ± 0.009 0 0 1 2127166208 1024 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.ReiHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.SV_UIs_f32 | 0 2127166208 1024 -1014.73999 -1014.73999 0 0 0 1 1 2127166208 | 2127166208 1024 -1014.73999 ± 0.0009 -1014.73999 ± 0.009 0 0 1 2127166208 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.ReiHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 0 2127166208 1024 -1014.73999 -1014.73999 0 0 1 2127166208 1024 -1014.73999 | 2127166208 1024 -1014.73999 ± 0.0009 -1014.73999 ± 0.009 0 0 1 2127166208 1024 -1014.73999 ± 0.009 | |
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| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 2127166208 1024 -1014.73999 -1014.73999 0 0 1 2127166208 1024 -1014.73999 -1014.73999 0 1 1 1 0 0 1 | 2127166208 1024 -1014.73999 ± 0.0009 -1014.73999 ± 0.009 0 0 1 2127166208 1024 -1014.73999 ± 0.009 0 1 1 1 0 0 1 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32 | 0 2127166208 1024 -1014.73999 -1014.73999 0 0 1 2127166208 1024 -1014.73999 -1014.73999 0 1 1 1 0 0 15.6000004 | 2127166208 1024 -1014.73999 ± 0.0009 -1014.73999 ± 0.009 0 0 0 1 2127166208 1024 -1014.73999 ± 0.009 0 1 1 0 0 1 1 0 0 1 1 0 1 1 0 1 1 0 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32 | 0 2127166208 1024 -1014.73999 -1014.73999 0 0 1 2127166208 1024 -1014.73999 -1014.73999 0 1 1 1 0 0 15.6000004 16.7000008 | 2127166208 1024 -1014.73999 ± 0.0009 -1014.73999 ± 0.009 0 0 0 1 2127166208 1024 -1014.73999 ± 0.009 0 1 1 0 0 1 1 0 0 15.6000004 16.7000008 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32 VehDyn_PinTrqSV_M_str.SV_UIs_f32 | 0 2127166208 1024 -1014.73999 -1014.73999 0 0 1 2127166208 1024 -1014.73999 -1014.73999 0 1 1 1 0 0 15.6000004 16.7000008 1.50272346 | 2127166208 1024 -1014.73999 ± 0.0009 -1014.73999 ± 0.009 0 0 0 1 2127166208 1024 -1014.73999 ± 0.009 0 1 1 0 0 1 1 0 0 15.6000004 16.7000008 1.50272346 ± 0.000009 | |



| T | | | | ✓ |
|----------------------------------------------------|-------|----------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | • |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |

| est Step 2.75 (Repeat Count = 1) ame | Input Value |
|-------------------------------------------------------------------|--------------------------------------------------------------------------|
| ame trmnElapsedTime_mS_u32(ElapsedTime) | Input Value target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| etSystemTime mS u32(CurrentTime) | target GetSystemTime mS u32 CurrentTime |
| | |
| te_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| te_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| te_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| ehDyn_AllowHiSpdAutoCntr_Cnt_M_Igc | 0 |
| ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 124.599998 |
| ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 246.600006 |
| ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 16.6000004 |
| ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 52.5999985 |
| ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 7034 |
| ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 39056 |
| ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 2345892860 |
| ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 54822322 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -284.299988 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000791999977 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -284.299988 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000791999977 |
| ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 78.1999969 |
| ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 156.199997 |
| ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 3.20000005 |
| ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 85 |
| ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 7034 |
| ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 39056 |
| ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 4294967295 |
| ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 54822322 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -284.299988 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000579999993 |
| ehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32 | -284.299988 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000151999993 |
| ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| ehDyn AutoCntrHiSpd M str.Filter2Initialized Cnt Igc | 0 |
| 7 - 7 - 2 | 124.300003 |
| ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 124.300003 246.199997 |
| ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | |
| ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 16.2999992 |
| ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 52.2999992 |
| ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 7034 |
| ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 39056 |
| ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 2345892860 |
| ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 54822322 |
| ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -284.299988 |
| ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 5.33999992e-005 |
| ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -284.299988 |
| ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000791999977 |
| ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| ehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| ehDyn_ForceCenterEnabled_Cnt_M_lgc | 1 |
| 5.12 J.1_1 5.5555.11.51.21.25.55_5.1111195 | |
| ehDyn_ForceCenterOffset_HwDeg_M_f32 | -900.77002 |



| | | | (|
|----------------------------------------------------------------------------------------------------|------------------------------------------|------------------------|----------|
| Name | Input Value | | |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | | |
| VehDyn_MaxOffset_HwDeg_M_f32 | -723.590027 | | |
| VehDyn_MinOffset_HwDeg_M_f32 | -964.590027 | | |
| VehDyn_PinTrqSV_M_str.SV_UIs_f32 | -1.60000002 | | |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000392999995 | | |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.114 | | |
| VehDyn_SLPHwPos_HwDeg_M_f32 | -860.690002 | | |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 2942063360 | | |
| k_HiSpdVDAuthority_UIs_f32 | 0 | | |
| k_HwTqMgnThd_HwNm_f32 k_LoSpdVDAuthority_Uls_f32 | 4.0999999 | | |
| k SrlHwAgVldTiThd mS u32 | 91986 | | |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 42 | | |
| k_TravelXCDeadband_Uls_f32 | 96.0800018 | | |
| k_TraveIXCHwAuthority_Uls_f32 | 0.102375001 | | |
| target DtrmnElapsedTime mS u32 ElapsedTime | 2942063360 | | |
| target_GetSystemTime_mS_u32_CurrentTime | 4243378688 | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedT | | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime | | | |
| target Rte Inst Ap VehDyn.VehDyn Per1 CcwEOT HwDeg f32 | target VehDyn Per1 CcwEOT HwDeg f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f3. | 2 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRac | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f3 | 2 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_l | Jls_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_Hv | vDeg_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_MtrN | lm_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc | target_VehDyn_Per1_VehicleSpeedValid_C | nt_lgc | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph_f3 | 2 | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -993.690002 | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 1149.63696 | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | 9.05000019 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | -900.299988 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | -284.299988 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 0 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | -860.690002 7.80000019 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 1 | | |
| target VehDyn Per1 VehicleSpeed Kph f32.value | 52.7400017 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn AllowHiSpdAutoCntr Cnt M Iqc | 0 | 0 | Result |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 4243378688 | 4243378688 | |
| VehDyn AutoCntrDetSpd M str.Timer2 mS u32 | 54822322 | 54822322 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -284.299988 | -284.299988 ± 0.0009 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -284.299988 | -284.299988 ± 0.0009 | |
| VehDyn AutoCntrDetSpd M str.Filter1Enable Cnt Igc | 0 | 0 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_Igc | 1 | 1 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | - |
| VehDyn AutoCntrHiSpd M str.Timer1 mS u32 | 4294967295 | 4294967295 | • |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 54822322 | 54822322 | - |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -284.299988 | -284.299988 ± 0.0009 | • |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -284.299988 | -284.299988 ± 0.0009 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 2345892860 | 2345892860 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 54822322 | 54822322 | • |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -284.299988 | -284.299988 ± 0.0009 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -284.299988 | -284.299988 ± 0.0009 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | • |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 | 1 | ✓ |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | 1 | * |
| VehDyn_MaxOffset_HwDeg_M_f32 | 1149.63696 | 1149.63696 | ~ |
| VehDyn_MinOffset_HwDeg_M_f32 | -993.690002 | -993.690002 | ~ |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | -1.59574163 | -1.59574151 ± 0.000009 | ✓ |



| Name | Actual Value | Expected Value | Result |
|------------------------------------------------------|--------------|------------------|----------|
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 2942063360 | 2942063360 | ~ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 1 | 1 ± 0.004 | ~ |
| target VehDyn Per1 SensorlessHwPos HwDeg f32.value | 616.470032 | 616.469971 ± 0.1 | ✓ |

| T | | | | V |
|----------------------------------------------------|-------|----------------------------------------------------|-------|--------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |

| lame | Input Value |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|
| OtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| GetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedTime |
| Rte Call Ap VehDyn SystemTime GetSystemTime mS u32(CurrentTime) | target Rte Call Ap VehDyn SystemTime GetSystemTime mS u32 CurrentTime |
| Rte_lnst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| /ehDyn AllowHiSpdAutoCntr Cnt M lgc | 1 |
| 7 | 456.5 |
| /ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | |
| /ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 52.5 14.5 |
| /ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | |
| /ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 41.5 |
| /ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 26195 |
| /ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 22037 |
| /ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 2553156835 |
| /ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 109643620 |
| /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1259.78003 |
| /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000793999992 |
| /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1259.78003 |
| /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000793999992 |
| /ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| /ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| /ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| /ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| /ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 88.5 |
| /ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 166.199997 |
| /ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 5.0999999 |
| /ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 96.1999969 |
| /ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 29076 |
| /ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 43868 |
| /ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 255468 |
| /ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 109643620 |
| /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1259.78003 |
| /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000582000008 |
| /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1259.78003 |
| /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000155999995 |
| /ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| /ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| /ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| /ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| /ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 456 |
| /ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 52.2999992 |
| /ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 14.1999998 |
| /ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 41.2999992 |
| /ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 26195 |
| /ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 22037 |
| /ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 2553156835 |
| /ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 109643620 |
| /ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1259.78003 |
| /ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 5.3799986e-005 |
| /ehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32 | 1259.78003 |
| /ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 | 0.000793999992 |
| /ehDyn AutoCntrLoSpd M str.Filter1Enable Cnt lgc | 0 |
| /ehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | |
| /ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| /ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_Igc | 0 |
| /ehDyn ForceCenterEnabled Cnt M Igc | 0 |
| /ehDyn_ForceCenterOffset_HwDeq_M_f32 | -800.859985 |



| Name | Input Value | | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 | | |
| VehDyn_Initialize_Cnt_M_lgc | 0 | | |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 | | |
| VehDyn_MaxOffset_HwDeg_M_f32 | 728.58197 | | |
| VehDyn_MinOffset_HwDeg_M_f32 | -957.906006 | | |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | -14.8000002 | | |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000394000002 0.130999997 | | |
| VehDyn_SLPHwAuth_Uls_M_f32 VehDyn_SLPHwPos_HwDeg_M_f32 | -850.429993 | | |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 1117112832 | | |
| k_HiSpdVDAuthority_UIs_f32 | 1 | | |
| k HwTgMgnThd HwNm f32 | 5.0999999 | | |
| k_LoSpdVDAuthority_UIs_f32 | 0 | | |
| k_SrlHwAgVldTiThd_mS_u32 | 12 | | |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 12.1000004 | | |
| k_TravelXCDeadband_Uls_f32 | 95.0500031 | | |
| k_TravelXCHwAuthority_Uls_f32 | 0.103600003 | | |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 1117112832 | | |
| target_GetSystemTime_mS_u32_CurrentTime | 1050692864 | | |
| $target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedT$ | 2728878080 | | |
| $target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime$ | 1117112832 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRada | oS_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_U | ls_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_Hw | Deg_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_MtrN | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc | target_VehDyn_Per1_VehicleSpeedValid_Cn | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph_f32 | 2 | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -987.429993 | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 1160.54395 9.56000042 | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | 800.200012 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | 1259.78003 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 0 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | -850.429993 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | 3.20000005 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 0 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 128.839996 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn AllowHiSpdAutoCntr Cnt M Igc | 1 | 1 | /toouit |
| VehDyn AutoCntrDetSpd M str.Timer1 mS u32 | 2553156835 | 2553156835 | - |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 109643620 | 109643620 | - |
| VehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32 | 1259.78003 | 1259.78003 ± 0.009 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1259.78003 | 1259.78003 ± 0.009 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 | | |
| | | 1 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | | |
| | | 0 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | V |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 0 1050692864 | 0 0 1050692864 | V |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 0 1050692864 109643620 | 0 0 1050692864 109643620 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 0 1050692864 109643620 1259.78003 | 0 0 1050692864 109643620 1259.78003 ± 0.009 | \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 0 1050692864 109643620 1259.78003 1259.78003 0 | 0 0 1050692864 109643620 1259.78003 ± 0.009 1259.78003 ± 0.009 0 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 1050692864 109643620 1259.78003 1259.78003 0 | 0 0 1050692864 109643620 1259.78003 ± 0.009 1259.78003 ± 0.009 0 | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 1050692864 109643620 1259.78003 1259.78003 0 0 | 0 0 1050692864 109643620 1259.78003 ± 0.009 0 0 0 | 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 1050692864 109643620 1259.78003 1259.78003 0 0 1 | 0 0 1050692864 109643620 1259.78003 ± 0.009 1259.78003 ± 0.009 0 0 1 1 1050692864 | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 0 1050692864 109643620 1259.78003 1259.78003 0 0 1 1 1050692864 109643620 | 0 0 1050692864 109643620 1259.78003 ± 0.009 1259.78003 ± 0.009 0 0 1 1050692864 109643620 | 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 0 1050692864 109643620 1259.78003 1259.78003 0 0 1 1 1050692864 109643620 1259.78003 | 0 0 1050692864 109643620 1259.78003 ± 0.009 1259.78003 ± 0.009 0 0 1 1050692864 109643620 1259.78003 ± 0.009 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 0 1050692864 109643620 1259.78003 1259.78003 0 0 1 1050692864 109643620 1259.78003 1259.78003 | 0 0 1050692864 109643620 1259.78003 ± 0.009 1259.78003 ± 0.009 0 0 1 1050692864 109643620 1259.78003 ± 0.009 1259.78003 ± 0.009 1259.78003 ± 0.009 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 1050692864 109643620 1259.78003 1259.78003 0 0 1 1050692864 109643620 1259.78003 1259.78003 0 | 0 0 1050692864 109643620 1259.78003 ± 0.009 1259.78003 ± 0.009 0 0 1 1050692864 109643620 1259.78003 ± 0.009 1259.78003 ± 0.009 0 1259.78003 ± 0.009 0 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 1050692864 109643620 1259.78003 1259.78003 0 0 1 1050692864 109643620 1259.78003 1259.78003 0 1 | 0 0 1050692864 109643620 1259.78003 ± 0.009 1259.78003 ± 0.009 0 0 1 1050692864 109643620 1259.78003 ± 0.009 1259.78003 ± 0.009 1259.78003 ± 0.009 0 1 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 1050692864 109643620 1259.78003 1259.78003 0 0 1 1050692864 109643620 1259.78003 1259.78003 0 1 1 | 0 0 1050692864 109643620 1259.78003 ± 0.009 1259.78003 ± 0.009 0 0 1 1050692864 109643620 1259.78003 ± 0.009 1259.78003 ± 0.009 1259.78003 ± 0.009 1 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 1050692864 109643620 1259.78003 1259.78003 0 0 1 1050692864 109643620 1259.78003 1259.78003 0 1 1 | 0 0 1050692864 109643620 1259.78003 ± 0.009 1259.78003 ± 0.009 0 0 0 1 1 1050692864 109643620 1259.78003 ± 0.009 1259.78003 ± 0.009 1259.78003 ± 0.009 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter3Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter3Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter3Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 1050692864 109643620 1259.78003 1259.78003 0 0 1 1050692864 109643620 1259.78003 1259.78003 0 1 1 1 0 | 0 0 1050692864 109643620 1259.78003 ± 0.009 1259.78003 ± 0.009 0 0 0 1 1 1050692864 109643620 1259.78003 ± 0.009 1259.78003 ± 0.009 1259.78003 ± 0.009 1 1 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 1050692864 109643620 1259.78003 1259.78003 0 0 1 1050692864 109643620 1259.78003 1259.78003 0 1 1 | 0 0 1050692864 109643620 1259.78003 ± 0.009 1259.78003 ± 0.009 0 0 0 1 1 1050692864 109643620 1259.78003 ± 0.009 1259.78003 ± 0.009 1259.78003 ± 0.009 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | |



| Name | Actual Value | Expected Value | Result |
|------------------------------------------------------|--------------|-----------------------|----------|
| VehDyn_MinOffset_HwDeg_M_f32 | -987.429993 | -987.429993 | ✓ |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | -14.7902985 | -14.7902975 ± 0.00009 | ~ |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 1117112832 | 1117112832 | ✓ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 0.130999997 | 0.130999997 ± 0.004 | ~ |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | 409.350037 | 409.350006 ± 0.1 | ✓ |

| Т | | | | ✓ |
|----------------------------------------------------|-------|----------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | - |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |

| est Step 2.77 (Repeat Count = 1) | |
|---------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|
| lame | Input Value |
| trmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| SetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| tte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| tte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| tte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 0 |
| ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 0 |
| ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 0 |
| ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 0 |
| ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 0 |
| ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 0 |
| ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 0 |
| ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 0 |
| ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 0 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1600 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 2.51327106e-006 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1600 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 2.51327106e-006 |
| ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| ehDyn AutoCntrDetSpd M str.Filter2Enable Cnt lgc | 0 |
| ehDyn AutoCntrDetSpd M str.Filter1Initialized Cnt lgc | 0 |
| ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 0 |
| ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 0 |
| ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 0 |
| ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 0 |
| ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 0 |
| ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 0 |
| ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 0 |
| ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 0 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1600 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 2.51327106e-006 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1600 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 2.51327106e-006 |
| ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 0 |
| ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 0 |
| ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 0 |
| enDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 0 |
| ehDyn_AutoChtrLoSpd_M_str.Timer1Thresh_mS_u16 | 0 |
| enDyn_AutoCntrLoSpd_M_str.Timer1Thresn_mS_u16 ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | |
| · - · · | 0 0 |
| ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 0 |
| ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | |
| ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1600 |
| ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 2.51327106e-006 |
| /ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1600 |
| /ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 2.51327106e-006 |
| ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| ehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 |



| | | (| - 100 |
|---------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|----------------------------------------------|----------|
| Name | Input Value | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | | |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 0 | | |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | -1600 0 | | |
| VehDyn_HiSpdLearnt_Cnt_M_Igc VehDyn Initialize Cnt M Igc | 0 | | |
| VehDyn LoSpdLearnt Cnt M Igc | 0 | | |
| VehDyn_MaxOffset_HwDeg_M_f32 | -2840 | | |
| VehDyn_MinOffset_HwDeg_M_f32 | -1440.10999 | | |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | -18.7999992 | | |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 2.51327106e-006 | | |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0 | | |
| VehDyn_SLPHwPos_HwDeg_M_f32 | -1600 | | |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 0 | | |
| k_HiSpdVDAuthority_UIs_f32 k_HwTqMgnThd_HwNm_f32 | 0 | | |
| k_LoSpdVDAuthority_Uls_f32 | 0 | | |
| k_SrlHwAgVldTiThd_mS_u32 | 0 | | |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 1 | | |
| k_TravelXCDeadband_Uls_f32 | 0 | | |
| k_TravelXCHwAuthority_Uls_f32 | 0 | | |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 0 | | |
| target_GetSystemTime_mS_u32_CurrentTime | 0 | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedT | | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f32 | 2 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRad | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f3 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_U | Jls_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_Hw | vDeg_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_MtrN | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeedValid_Citarget_VehDyn_Per1_VehicleSpeed_Kph_f3 | | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -1440.10999 | <u>, </u> | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 360 | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | -10 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | -1118 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | -1600 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 0 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | -1600 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | -8.80000019 0 | | |
| target VehDyn Per1 VehicleSpeed Kph f32.value | 0 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 0 | 0 | rtcsuit |
| VehDyn AutoCntrDetSpd M str.Timer1 mS u32 | 0 | 0 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 0 | 0 | - |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1600 | -1600 ± 0.009 | • |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1600 | -1600 ± 0.009 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 0 | 0 | |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 0 | 0 | |
| VehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32 | -1600 | -1600 ± 0.009 | - |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1600 | -1600 ± 0.009 | - |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | - |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 0 | 0 | • |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 0 | 0 | — |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1600 -1600 | -1600 ± 0.009 -1600 ± 0.009 | Ž |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 | -1600 ± 0.009 | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | - |
| | | | |



| Name | Actual Value | Expected Value | Result |
|------------------------------------------------------|--------------|-----------------------|--------|
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 | 0 | ~ |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 | 0 | ~ |
| VehDyn_MaxOffset_HwDeg_M_f32 | 360 | 360 | ~ |
| VehDyn_MinOffset_HwDeg_M_f32 | -1440.10999 | -1440.10999 | ~ |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | -18.7999992 | -18.7999992 ± 0.00009 | ~ |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 0 | 0 | ~ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 0 | 0 ± 0.004 | ~ |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | -1600 | -1600 ± 0.1 | ~ |

| T | | | | ✓ |
|----------------------------------------------------|-------|----------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ✓ |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |

| ame | Input Value |
|-------------------------------------------------------------------|--------------------------------------------------------------------------|
| rmnElapsedTime_mS_u32(ElapsedTime) | target DtrmnElapsedTime mS u32 ElapsedTime |
| etSystemTime mS u32(CurrentTime) | target GetSystemTime mS u32 CurrentTime |
| te Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| re_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| re_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| e_inst_Ap_veribyii ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 |
| ehDyn AutoCntrDetSpd M str.MtrVel MtrRadpS f32 | 700 |
| ehDyn_AutoCntrDetSpd_M_str.WehSpd_kph_f32 | 255 |
| ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 20 |
| | 100 |
| ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 60000 |
| ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | |
| ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 60000 |
| ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 4294967295 |
| ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 4294967295 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1600 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.00125584786 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1600 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.00125584786 |
| ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| hDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 700 |
| ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 255 |
| ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 20 |
| ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 100 |
| ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 60000 |
| hDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 60000 |
| hDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 4294967295 |
| ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 4294967295 |
| hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1600 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.00125584786 |
| hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1600 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.00125584786 |
| ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| hDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| hDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| hDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| hDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 700 |
| ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 255 |
| ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 20 |
| hDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 100 |
| ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 60000 |
| hDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 60000 |
| ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 4294967295 |
| ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 4294967295 |
| ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1600 |
| ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.00125584786 |
| ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1600 |
| ehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32 | 0.00125584786 |



| Name | Input Value | | |
|---------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|----------------------------|----------|
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_Igc | 1 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | | |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 1 | | |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 VehDyn_HiSpdLearnt_Cnt_M_lgc | 1600 | | |
| VehDyn_Initialize_Cnt_M_lgc | 1 | | |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | | |
| VehDyn_MaxOffset_HwDeg_M_f32 | 1440.10999 | | |
| VehDyn_MinOffset_HwDeg_M_f32 | 2840 | | |
| VehDyn_PinTrqSV_M_str.SV_UIs_f32 | 18.7999992 | | |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.00125584786 | | |
| VehDyn_SLPHwAuth_Uls_M_f32 | 1 | | |
| VehDyn_SLPHwPos_HwDeg_M_f32 | 1600 | | |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 4294967295 | | |
| k_HiSpdVDAuthority_Uls_f32 k_HwTqMgnThd_HwNm_f32 | 10 | | |
| k_LoSpdVDAuthority_UIs_f32 | 1 | | |
| k SrlHwAgVldTiThd mS u32 | 100000 | | |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 100 | | |
| k_TravelXCDeadband_Uls_f32 | 100 | | |
| k_TravelXCHwAuthority_Uls_f32 | 1 | | |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 4294967295 | | |
| target_GetSystemTime_mS_u32_CurrentTime | 4294967295 | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedT | | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_is2 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 target_VehDyn_Per1_CwEOT_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f32 | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRad | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f3. | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_L | Jls_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_Hw | /Deg_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_MtrN | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeedValid_Cr target_VehDyn_Per1_VehicleSpeed_Kph_f3. | | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -360 | 2 | |
| target VehDyn Per1 CwEOT HwDeg f32.value | 1440.10999 | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | 10 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | 1118 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | 1600 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 1 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | 1600 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | 8.80000019 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 511 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name | Actual Value | Expected Value | Result |
| VehDyn AllowHiSpdAutoCntr Cnt M Igc | 1 | 1 | Result |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 4294967295 | 4294967295 | • |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 4294967295 | 4294967295 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1600 | 1600 ± 0.009 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1600 | 1600 ± 0.009 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | - |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 4294967295 | 4294967295 4294967295 | · · |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 4294967295 1600 | 4294967295 1600 ± 0.009 | - |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1600 | 1600 ± 0.009 | |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 4294967295 | 4294967295 | • |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 4294967295 | 4294967295 | • |
| VehDyn_AutoCntrloSpd_M_str.RelHwPosFilt1SV_HwDog_str.SV_UIs_f32 | 1600 | 1600 ± 0.009 | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1600 | 1600 ± 0.009 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | J |
| | 1.5 | 1.5 | |



| Name | Actual Value | Expected Value | Result |
|-------------------------------------------------------|--------------|----------------------|----------|
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 | 1 | ✓ |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | ✓ |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | 1 | ✓ |
| VehDyn_MaxOffset_HwDeg_M_f32 | -159.890015 | -159.889999 | ✓ |
| VehDyn_MinOffset_HwDeg_M_f32 | 2840 | 2840 | ✓ |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 18.7890587 | 18.7890587 ± 0.00009 | ✓ |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 4294967295 | 4294967295 | ✓ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 1 | 1 ± 0.004 | ✓ |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | 0 | 0 ± 0.1 | ✓ |

| Т | | | | V |
|----------------------------------------------------|-------|----------------------------------------------------|-------|--------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | • |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | • |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |

| lame | Input Value |
|--------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|
| htmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| SetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| tte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32(ElapsedTime) | target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedTime |
| tte Call Ap VehDyn SystemTime GetSystemTime mS u32(CurrentTime) | target Rte Call Ap VehDyn SystemTime GetSystemTime mS u32 CurrentTime |
| | |
| tte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| /ehDyn_AllowHiSpdAutoCntr_Cnt_M_Igc | |
| /ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 126.09998 |
| /ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 236.100006 4.099999 |
| /ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | |
| /ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 32.0999985 |
| /ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 20423 |
| /ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 31368 |
| /ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 2138628886 |
| /ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 1024 |
| 'ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1014.73999 |
| /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.00079000002 |
| /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1014.73999 |
| /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.00079000002 |
| ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 124 |
| ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 176 |
| ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 8 |
| ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 54.0999985 |
| ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 20423 |
| ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 31368 |
| ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 0 |
| ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 1024 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1014.73999 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000577999977 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1600 |
| /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000907999987 |
| /ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| 'ehDyn AutoCntrHiSpd M str.Filter1Initialized Cnt Igc | 0 |
| 'ehDyn AutoCntrHiSpd M str.Filter2Initialized Cnt Igc | 1 |
| ehDyn AutoCntrLoSpd M str.MtrVel MtrRadpS f32 | 126.199997 |
| ehDyn AutoCntrLoSpd M str.VehSpd kph f32 | 236.300003 |
| ehDyn AutoCntrLoSpd M str.FiltPinTrg HwNm f32 | 4.30000019 |
| ehDyn_AutoCntrLoSpd_M_str.CntrWindow HwDeg f32 | 32.2999992 |
| ehDyn AutoCntrLoSpd M str.Timer1Thresh mS u16 | 20423 |
| ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 31368 |
| ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 2138628886 |
| ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 1024 |
| enbyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1014.73999 |
| ehDyn_AutoCntrLoSpd_M_str.ReinwPosFilt1SV_nwbeg_str.Sv_ois_i32 /ehDyn_AutoCntrLoSpd_M_str.ReinwPosFilt1SV_hwbeg_str.K_Uls_f32 | 5.2999998e-005 |



| Name | Input Value | | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|---------------------|--------|
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1014.73999 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.00079000002 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 | | |
| VehDyn AutoCntrLoSpd M str.Filter1Initialized Cnt Igc | 1 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | | |
| · | | | |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 0 | | |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | -1000.67999 | | |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 | | |
| VehDyn_Initialize_Cnt_M_lgc | 1 | | |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 | | |
| VehDyn_MaxOffset_HwDeg_M_f32 | 15.6000004 | | |
| VehDyn MinOffset HwDeg M f32 | 16.7000008 | | |
| VehDyn_PinTrqSV_M_str.SV_UIs_f32 | 1.5 | | |
| VehDyn PinTrqSV M str.K Uls f32 | 0.000391999987 | | |
| | 0.0970000029 | | |
| VehDyn_SLPHwAuth_Uls_M_f32 | | | |
| VehDyn_SLPHwPos_HwDeg_M_f32 | -870.950012 | | |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 2659241984 | | |
| k_HiSpdVDAuthority_Uls_f32 | 1 | | |
| k_HwTqMgnThd_HwNm_f32 | 3.0999999 | | |
| k_LoSpdVDAuthority_Uls_f32 | 0 | | |
| k_SrlHwAgVldTiThd_mS_u32 | 4891 | | |
| k SysKinRatio MtrDegpHwDeg f32 | 86.5 | | |
| k TravelXCDeadband Uls f32 | 97.1100006 | | |
| k TravelXCHwAuthority Uls f32 | 0.101149999 | | |
| _ | | | |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 2659241984 | | |
| target_GetSystemTime_mS_u32_CurrentTime | 2127166208 | | |
| $target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_Elapsed$ | 2075080192 | | |
| $target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime$ | 2659241984 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 | 2 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f3 | 2 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRad | | |
| | | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_ | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_Hv | wDeg_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_Mtrl | Nm_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc | target VehDyn Per1 VehicleSpeedValid C | nt Igc | |
| target Rte Inst Ap VehDyn.VehDyn Per1 VehicleSpeed Kph f32 | target_VehDyn_Per1_VehicleSpeed_Kph_f3 | | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -999.950012 | · <u>-</u> | |
| | | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 1138.72998 | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | 8.53999996 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | -456.899994 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | -1014.73999 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 1 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | -870.950012 | | |
| target VehDyn Per1 TorqueCmdCRF MtrNm f32.value | -8 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 0 | | |
| | 42.3600006 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | | I= | |
| Name | Actual Value | Expected Value | Result |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 | 1 | • |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 2138628886 | 2138628886 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 1024 | 1024 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1014.73999 | -1014.73999 ± 0.009 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1014.73999 | -1014.73999 ± 0.009 | |
| | 1 | 1 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | | | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | , |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 2127166208 | 2127166208 | |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 1024 | 1024 | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1014.73999 | -1014.73999 ± 0.009 | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1600 | -1600 ± 0.009 | |
| | | | |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | Y |
| VehDvn AutoCntrHiSnd M str Filter2Initialized Cnt Igc | 1 | 1 | |

2127166208

-1014.73999

-1014.73999

1024

2127166208

-1014.73999 ± 0.009

-1014.73999 ± 0.009

1024

VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32

VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32

 $VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32$

 $VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32$



| Name | Actual Value | Expected Value | Result |
|-------------------------------------------------------|--------------|-----------------------|----------|
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 | 0 | ✓ |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 | 0 | ~ |
| VehDyn_MaxOffset_HwDeg_M_f32 | 15.6000004 | 15.6000004 | ~ |
| VehDyn_MinOffset_HwDeg_M_f32 | 16.7000008 | 16.7000008 | ✓ |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 1.50272346 | 1.50272346 ± 0.000009 | ~ |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 2659241984 | 2659241984 | ✓ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 0.0970000029 | 0.0970000029 ± 0.004 | ~ |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | -1600 | -1600 ± 0.1 | ~ |

| Т | | | | ✓ |
|----------------------------------------------------|-------|----------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | ✓ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ✓ |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |

| lame | Input Value |
|-------------------------------------------------------------------|--------------------------------------------------------------------------|
| trmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| etSystemTime mS u32(CurrentTime) | target GetSystemTime mS u32 CurrentTime |
| te Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32(ElapsedTime) | target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedTime |
| te Call Ap VehDyn SystemTime GetSystemTime mS u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| te Inst Ap VehDyn | target Rte Inst Ap VehDyn |
| ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 0 |
| ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 0 |
| ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 0 |
| ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 0 |
| ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 0 |
| ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 0 |
| ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 0 |
| ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 0 |
| ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 0 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1600 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 2.51327106e-006 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1600 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 2.51327106e-006 |
| ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 0 |
| ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 0 |
| ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 0 |
| ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 0 |
| ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 0 |
| ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 0 |
| ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 0 |
| ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 0 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1600 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 2.51327106e-006 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1600 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 2.51327106e-006 |
| ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 0 |
| ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 0 |
| ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 0 |
| ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 0 |
| ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 0 |
| ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 0 |



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|-----------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|--------------------------------|----------|
| Name | Input Value | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 0 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_ms_usz VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1600 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 2.51327106e-006 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1600 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 2.51327106e-006 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | | |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc VehDyn_ForceCenterOffset HwDeq M f32 | -1600 | | |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 | | |
| VehDyn_Initialize_Cnt_M_lgc | 0 | | |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 | | |
| VehDyn_MaxOffset_HwDeg_M_f32 | -2840 | | |
| VehDyn_MinOffset_HwDeg_M_f32 | -1440.10999 | | |
| VehDyn_PinTrqSV_M_str.SV_UIs_f32 | -18.7999992 | | |
| VehDyn_PinTrqSV_M_str.K_UIs_f32 VehDyn_SLPHwAuth_UIs_M_f32 | 2.51327106e-006 0 | | |
| VehDyn SLPHwPos HwDeg M f32 | -1600 | | |
| VehDyn SrlHwAqVldTimer mS M u32 | 0 | | |
| k_HiSpdVDAuthority_UIs_f32 | 0 | | |
| k_HwTqMgnThd_HwNm_f32 | 0 | | |
| k_LoSpdVDAuthority_Uls_f32 | 0 | | |
| k_SrlHwAgVldTiThd_mS_u32 | 0 | | |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 1 | | |
| k_TravelXCDeadband_Uls_f32 | 0 | | |
| k_TravelXCHwAuthority_Uls_f32 target DtrmnElapsedTime mS u32 ElapsedTime | 0 | | |
| target_GetSystemTime_mS_u32_CurrentTime | 0 | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedT | | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime | | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRad | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f3 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessAuthority_U target_VehDyn_Per1_SensorlessHwPos_Hw | _ | |
| target Rte Inst Ap VehDyn.VehDyn Per1 SrlHwAgVld Cnt Igc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc | Deg_132 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_MtrN | m_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc | target_VehDyn_Per1_VehicleSpeedValid_Cr | nt_lgc | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph_f3 | 2 | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -1440.10999 | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 360 | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | -10 -1118 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | -1118 -1600 | | |
| target VehDyn Per1 SrlHwAqVld Cnt Iqc.value | 0 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | -1600 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | -8.80000019 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 0 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 0 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 0 | 0 | V |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 0 | 1600 + 0.000 | · · |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1600 -1600 | -1600 ± 0.009 -1600 ± 0.009 | V |
| VehDyn AutoCntrDetSpd M str.Filter1Enable Cnt lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | - |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 0 | 0 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 0 | 0 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1600 | -1600 ± 0.009 | V |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1600 | -1600 ± 0.009 | V |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | V |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | |
| | 1. | I · | |



| Name | Actual Value | Expected Value | Result |
|-----------------------------------------------------------------|--------------|-----------------------|--------|
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1600 | -1600 ± 0.009 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1600 | -1600 ± 0.009 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 | 0 | ~ |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 | 0 | ~ |
| VehDyn_MaxOffset_HwDeg_M_f32 | 360 | 360 | ~ |
| VehDyn_MinOffset_HwDeg_M_f32 | -1440.10999 | -1440.10999 | ~ |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | -18.7999992 | -18.7999992 ± 0.00009 | ~ |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 0 | 0 | ~ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 0 | 0 ± 0.004 | ~ |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | -1600 | -1600 ± 0.1 | ~ |

| Т | | | | ✓ |
|----------------------------------------------------|-------|----------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | • |
| Rte Call VehDyn Per1 CP1 CheckpointReached | 1 | Rte Call VehDyn Per1 CP1 CheckpointReached | 1 | ✓ |

| Test Step 2.81 (Repeat Count = 1) | · · |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|
| Name | Input Value |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| GetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32(ElapsedTime) | target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedTime |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 34.1399994 |
| VehDyn AutoCntrDetSpd M str.VehSpd kph f32 | 86.0999985 |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 4.400001 |
| VehDyn AutoCntrDetSpd M str.CntrWindow HwDeg f32 | 25.3999996 |
| VehDyn AutoCntrDetSpd M str.Timer1Thresh mS u16 | 20423 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 31368 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 1078320779 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 383750110 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1361.30005 |
| VehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32 | 0.00080400001 |
| VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32 | 1361.30005 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.00080400001 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 566 |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 216 |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 1.10000002 |
| VehDyn AutoCntrHiSpd M str.CntrWindow HwDeg f32 | 88.4000015 |
| VehDyn AutoCntrHiSpd M str.Timer1Thresh mS u16 | 53970 |
| VehDyn AutoCntrHiSpd M str.Timer2Thresh mS u16 | 52282 |
| VehDyn AutoCntrHiSpd M str.Timer1 mS u32 | 1078320779 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 383750110 |
| VehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32 | 1361.30005 |
| VehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32 | 0.000592000026 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1361.30005 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000176000001 |
| VehDyn AutoCntrHiSpd M str.Filter1Enable Cnt Igc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 700 |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 86.3000031 |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 6.30000019 |
| VehDyn AutoCntrLoSpd M str.CntrWindow HwDeg f32 | 86.1999969 |



| Name | Input Value | | |
|---------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|---------------------------------|---------------------------------------|
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 5235 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 27074 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 1078320779 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 383750110 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1361.30005 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 5.57999992e-005 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1361.30005 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.00080400001 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | | |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 0 | | |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | -301.309998 0 | | |
| VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn Initialize Cnt M lgc | 1 | | |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | | |
| VehDyn MaxOffset HwDeg M f32 | 753.541992 | | |
| VehDyn_MinOffset_HwDeg_M_f32 | -924.486023 | | |
| VehDyn PinTrqSV M str.SV UIs f32 | 3.20000005 | | |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000399000011 | | |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.216000006 | | |
| VehDyn_SLPHwPos_HwDeg_M_f32 | -799.130005 | | |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 1759885568 | | |
| k_HiSpdVDAuthority_UIs_f32 | 0 | | |
| k_HwTqMgnThd_HwNm_f32 | 0.119999997 | | |
| k_LoSpdVDAuthority_Uls_f32 | 1 | | |
| k_SrlHwAgVldTiThd_mS_u32 | 744 | | |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 78.3000031 | | |
| k_TravelXCDeadband_Uls_f32 | 89.9000015 | | |
| k_TravelXCHwAuthority_Uls_f32 | 0.109724998 | | |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 1759885568 | | |
| target_GetSystemTime_mS_u32_CurrentTime | 2728878080 | | |
| target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedTi | | | |
| | 1759885568 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 target_VehDyn_Per1_HwTorque_HwNm_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target VehDyn Per1 MotorVelCRF MtrRad | | |
| target Rte Inst Ap VehDyn.VehDyn Per1 RelHwPos HwDeg f32 | target VehDyn Per1 RelHwPos HwDeg f3: | _ | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_U | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_Hw | | |
| target Rte Inst Ap VehDyn.VehDyn Per1 SrlHwAgVld Cnt Igc | target VehDyn Per1 SrlHwAgVld Cnt Igc | 9 | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_MtrN | m_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc | target_VehDyn_Per1_VehicleSpeedValid_Cr | ıt_lgc | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph_f3: | 2 | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -956.130005 | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 1215.07898 | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | -6.03999996 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | 753.700012 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | 1361.30005 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 1 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | -799.130005 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | 4.5999999 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 1 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 500.049988 | I = | 1_ |
| Name | Actual Value | Expected Value | Result |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 2728878080 | 2728878080 | • |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 383750110 | 383750110 | • |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1361.30005 | 1361.30005 ± 0.009 | • |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1361.30005 | 1361.30005 ± 0.009 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | _ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | Ĭ |
| | 1078320779 | 1078320779 | - |
| | | 1010020119 | |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | | 383750110 | |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 383750110 | 383750110 1361 30005 + 0 009 | |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 383750110 1361.30005 | 1361.30005 ± 0.009 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 383750110 | | \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ |



| Name | Actual Value | Expected Value | Result |
|-----------------------------------------------------------------|--------------|-----------------------|----------|
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | * |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 2728878080 | 2728878080 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 383750110 | 383750110 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1361.30005 | 1361.30005 ± 0.009 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1361.30005 | 1361.30005 ± 0.009 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 | 0 | ~ |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | 1 | ✓ |
| VehDyn_MaxOffset_HwDeg_M_f32 | -146.221069 | -146.220993 | ✓ |
| VehDyn_MinOffset_HwDeg_M_f32 | -924.486023 | -924.486023 | ~ |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 3.19633675 | 3.19633675 ± 0.000009 | ~ |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 1759885568 | 1759885568 | ✓ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 1 | 1 ± 0.004 | ~ |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | 0 | 0 ± 0.1 | ~ |

| T | | | | |
|----------------------------------------------------|-------|----------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte Call VehDyn Per1 CP0 CheckpointReached | 1 | Rte Call VehDyn Per1 CP0 CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | ✓ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | • |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | • |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Rte Call VehDyn Per1 CP1 CheckpointReached | 1 | Rte Call VehDyn Per1 CP1 CheckpointReached | 1 | - |

| Mama | Input Value |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|
| Name | • |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| GetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 |
| /ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 2.5 |
| /ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 96.5 |
| /ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 6.5 |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 86.5 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 7034 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 39056 |
| /ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 2138628886 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 2967684784 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 586.059998 |
| /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000806000025 |
| /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 586.059998 |
| /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000806000025 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| /ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| /ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| /ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 45.5 |
| /ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 226.199997 |
| /ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 2.4000001 |
| /ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 75.0999985 |
| /ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 20423 |
| /ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 31368 |
| /ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 2138628886 |
| /ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 2967684784 |
| /ehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32 | 586.059998 |
| /ehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32 | 0.000593999983 |
| /ehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32 | 586.059998 |
| /ehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32 | 0.000180000003 |
| /ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| /ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn AutoCntrHiSpd M str.Filter1Initialized Cnt lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |



| Nome | Innut Value | | | |
|--------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------|---------------------|-------|--|
| Name VehDvn AutoCntrl oSnd M. str.MtrVel MtrRadnS f32 | Input Value 152.199997 | | | |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | | 96.3000031 | | |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 8.19999981 | | | |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 42.2999992 | | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 53759 | | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 18715 | | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 2138628886 | | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 2967684784 | | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 586.059998 | | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 5.61999987e-005 | | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 586.059998 0.000806000025 | | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0.000806000025 | | | |
| VehDyn AutoCntrLoSpd M str.Filter2Enable Cnt Igc | 1 | | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | | | |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 1 | | | |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | -201.399994 | | | |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 | | | |
| VehDyn_Initialize_Cnt_M_lgc | 1 | | | |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 | | | |
| VehDyn_MaxOffset_HwDeg_M_f32 | 758.533997 | | | |
| VehDyn_MinOffset_HwDeg_M_f32 | -917.802002 5.4000001 | | | |
| VehDyn_PinTrqSV_M_str.SV_UIs_f32 VehDyn_PinTrqSV_M_str.K_UIs_f32 | -5.4000001 0.00039999999 | | | |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.232999995 | | | |
| VehDyn SLPHwPos HwDeg M f32 | -788.869995 | | | |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 1662097408 | | | |
| k_HiSpdVDAuthority_Uls_f32 | 1 | | | |
| k_HwTqMgnThd_HwNm_f32 | 5.44999981 | | | |
| k_LoSpdVDAuthority_UIs_f32 | 0 | | | |
| k_SrlHwAgVldTiThd_mS_u32 | 700 | | | |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 96.5 | | | |
| k_TravelXCDeadband_Uls_f32 | 88.8700027 | | | |
| k_TravelXCHwAuthority_UIs_f32 | 0.110950001 | | | |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime target_GetSystemTime_mS_u32_CurrentTime | 824746752 | 1662097408 | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_Elapse | | | | |
| target Rte Call Ap VehDyn SystemTime GetSystemTime mS u32 CurrentTi | | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_ | _f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_t | f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm | 1_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_Mtr | rRadpS_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDe | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthori | · | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc | target_VehDyn_Per1_SensorlessHwPos | | | |
| target Rte Inst Ap VehDyn.VehDyn Per1 SrlHwAg HwDeg f32 | target_VehDyn_Per1_SrlHwAgVld_Cnt_ target_VehDyn_Per1_SrlHwAg_HwDeg | | | |
| target Rte Inst Ap VehDyn.VehDyn Per1 TorqueCmdCRF MtrNm f32 | target_VehDyn_Per1_TorqueCmdCRF_l | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc | target VehDyn Per1 VehicleSpeedValid | | | |
| target Rte Inst Ap VehDyn.VehDyn Per1 VehicleSpeed Kph f32 | target_VehDyn_Per1_VehicleSpeed_Kp | | | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -949.869995 | _ | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 1225.98596 | | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | -7.05000019 | | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | 159.600006 | | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | 586.059998 | | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 700,000005 | | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | -788.869995 -7.2000010 | | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | -7.30000019 0 | | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 499.070007 | | | |
| Name | Actual Value | Expected Value | Resul | |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 | 1 | Resul | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 2138628886 | 2138628886 | | |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 2967684784 | 2967684784 | | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 586.059998 | 586.059998 ± 0.0009 | | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 586.059998 | 586.059998 ± 0.0009 | | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | • | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | • | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | | |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 824746752 | 824746752 | | |

2967684784

2967684784

VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32



| Name | Actual Value | Expected Value | Result |
|-----------------------------------------------------------------|--------------|------------------------|----------|
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 586.059998 | 586.059998 ± 0.0009 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 586.059998 | 586.059998 ± 0.0009 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 824746752 | 824746752 | • |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 2967684784 | 2967684784 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 586.059998 | 586.059998 ± 0.0009 | • |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 586.059998 | 586.059998 ± 0.0009 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 | 0 | • |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 | 0 | ✓ |
| VehDyn_MaxOffset_HwDeg_M_f32 | 639.925964 | 639.926025 | ~ |
| VehDyn_MinOffset_HwDeg_M_f32 | -917.802002 | -917.802002 | • |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | -5.40069056 | -5.40069008 ± 0.000009 | • |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 1662097408 | 1662097408 | • |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 1 | 1 ± 0.004 | ~ |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | 787.459961 | 787.460022 ± 0.1 | ~ |

| 7 | | | | |
|----------------------------------------------------|-------|----------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | • |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | • |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | • |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | • |
| Rte Call VehDyn Per1 CP1 CheckpointReached | 1 | Rte Call VehDyn Per1 CP1 CheckpointReached | 1 | ~ |

| Name | Input Value |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|
| DtrmnElapsedTime_mS_u32(ElapsedTime) | target DtrmnElapsedTime mS u32 ElapsedTime |
| GetSystemTime mS u32(CurrentTime) | target GetSystemTime mS u32 CurrentTime |
| Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32(ElapsedTime) | target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedTime |
| Rte Call Ap VehDyn SystemTime GetSystemTime mS u32(CurrentTime) | target Rte Call Ap VehDyn SystemTime GetSystemTime mS u32 CurrentTime |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| /ehDyn AllowHiSpdAutoCntr Cnt M Igc | 0 |
| /ehDyn AutoCntrDetSpd M str.MtrVel MtrRadpS f32 | 120.099998 |
| VehDyn AutoCntrDetSpd M str.VehSpd kph f32 | 106.099998 |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 8.10000038 |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 56.099985 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 25532 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 27401 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 2345892860 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 3174948758 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -339.980011 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000807999982 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -339.980011 |
| /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000807999982 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 10.3999996 |
| /ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 236 |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 4.0999999 |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 97.4000015 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 7034 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 39056 |
| /ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 2345892860 |
| /ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 3174948758 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -339.980011 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000595999998 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -339.980011 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000184000004 |



| Name | Input Value |
|-----------------------------------------------------------------|-----------------|
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 98.4000015 |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 0 |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 10.3000002 |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 12.1999998 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 13352 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 14442 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 2345892860 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 3174948758 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -339.980011 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 5.66000017e-005 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -339.980011 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000807999982 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 0 |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | -101.489998 |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 |
| VehDyn_Initialize_Cnt_M_lgc | 0 |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 |
| VehDyn_MaxOffset_HwDeg_M_f32 | 763.526001 |
| VehDyn_MinOffset_HwDeg_M_f32 | -911.117981 |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 7.5999999 |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000400999998 |
| | |
| VehDyn SLPHwPos HwDeg M f32 | -778.609985 |
| VehDyn SrlHwAgVldTimer mS M u32 | 1050692864 |
| k HiSpdVDAuthority Uls f32 | 0 |
| k HwTqMgnThd HwNm f32 | 6.32000017 |
| k_LoSpdVDAuthority_Uls_f32 | 1 |
| k_SrlHwAgVldTiThd_mS_u32 | 701 |
| k SysKinRatio MtrDegpHwDeg f32 | 32.0999985 |
| k TravelXCDeadband Uls f32 | 87.8399963 |
| | |



| Name | Actual Value | Expected Value | Result |
|-----------------------------------------------------------------|--------------|-----------------------|----------|
| VehDyn AutoCntrDetSpd M str.Filter1Initialized Cnt lqc | 0 | 0 | ~ |
| VehDyn AutoCntrDetSpd M str.Filter2Initialized Cnt Igc | 1 | 1 | ~ |
| VehDyn AutoCntrHiSpd M str.Timer1 mS u32 | 2345892860 | 2345892860 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 3174948758 | 3174948758 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -339.980011 | -339.980011 ± 0.0009 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -339.980011 | -339.980011 ± 0.0009 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 2345892860 | 2345892860 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 3174948758 | 3174948758 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -339.980011 | -339.980011 ± 0.0009 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -339.980011 | -339.980011 ± 0.0009 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 | 1 | ✓ |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | 1 | ✓ |
| VehDyn_MaxOffset_HwDeg_M_f32 | 1236.89294 | 1236.89294 | ✓ |
| VehDyn_MinOffset_HwDeg_M_f32 | -943.609985 | -943.609985 | ✓ |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 7.59373665 | 7.59373665 ± 0.000009 | ✓ |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 1050692864 | 1050692864 | ✓ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 0.25 | 0.25 ± 0.004 | ~ |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | -1118.58997 | -1118.58997 ± 0.1 | ✓ |

| Τ | | | | ✓ |
|----------------------------------------------------|-------|----------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | • |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | • |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |

| Name | Input Value |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|
| DtrmnElapsedTime_mS_u32(ElapsedTime) | target DtrmnElapsedTime mS u32 ElapsedTime |
| GetSystemTime mS u32(CurrentTime) | target GetSystemTime mS u32 CurrentTime |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| Rte Call Ap VehDyn SystemTime GetSystemTime mS u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| Rte Inst Ap VehDyn | target Rte Inst Ap VehDyn |
| VehDyn AllowHiSpdAutoCntr Cnt M Igc | 1 |
| VehDyn AutoCntrDetSpd M str.MtrVel MtrRadpS f32 | 66 |
| VehDyn AutoCntrDetSpd M str.VehSpd kph f32 | 116 |
| VehDyn AutoCntrDetSpd M str.FiltPinTrg HwNm f32 | 10 |
| VehDyn AutoCntrDetSpd M str.CntrWindow HwDeg f32 | 54 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 53759 |
| VehDyn AutoCntrDetSpd M str.Timer2Thresh mS u16 | 18715 |
| VehDyn AutoCntrDetSpd M str.Timer1 mS u32 | 2553156835 |
| VehDyn AutoCntrDetSpd M str.Timer2 mS u32 | 3174948758 |
| VehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32 | 1590.80005 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.00080999998 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1590.80005 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.00080999998 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 56.2000008 |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 246.100006 |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 6.19999981 |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 86.1999969 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 25532 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 27401 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 2553156835 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 3174948758 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1590.80005 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000598000013 |



| Name | Input Value | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|-------------------------------|--------|
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1590.80005 | | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000188000005 | | |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1 | | |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 | | |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | | |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | | |
| VehDyn AutoCntrLoSpd M str.MtrVel MtrRadpS f32 | 66.4000015 | | |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 255 | | |
| VehDyn AutoCntrLoSpd M str.FiltPinTrq HwNm f32 | 12.1999998 | | |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 53.2999992 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 21364 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 52716 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 2553156835 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 3174948758 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1590.80005 | | |
| VehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32 | 5.70000011e-005 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1590.80005 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.00080999998 | | |
| VehDyn AutoCntrLoSpd M str.Filter1Enable Cnt Igc | 0 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | | |
| VehDyn AutoCntrLoSpd M str.Filter2Initialized Cnt Igc | 1 | | |
| VehDyn ForceCenterEnabled Cnt M Igc | 0 | | |
| VehDyn ForceCenterOffset HwDeg M f32 | -1.58000004 | | |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 | | |
| VehDyn_Initialize_Cnt_M_lgc | 0 | | |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 | | |
| VehDyn MaxOffset HwDeg M f32 | 768.518005 | | |
| VehDyn_MinOffset_HwDeg_M_f32 | -904.434021 | | |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 1.5 | | |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000402000005 | | |
| VehDyn SLPHwAuth Uls M f32 | 0.26699999 | | |
| VehDyn SLPHwPos HwDeg M f32 | -768.349976 | | |
| VehDyn SrlHwAgVldTimer mS M u32 | 3039943680 | | |
| k_HiSpdVDAuthority_Uls_f32 | 1 | | |
| k_HwTqMgnThd_HwNm_f32 | 1 | | |
| k LoSpdVDAuthority Uls f32 | 0 | | |
| k_SrlHwAgVldTiThd_mS_u32 | 702 | | |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 52 | | |
| k_TravelXCDeadband_Uls_f32 | 86.8099976 | | |
| k_TraveIXCHwAuthority_UIs_f32 | 0.113399997 | | |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 4243378688 | | |
| target GetSystemTime mS u32 CurrentTime | 2659241984 | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedT | | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime | | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32 | target VehDyn Per1 CcwEOT HwDeg f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target VehDyn Per1 HwTorque HwNm f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target VehDyn Per1 MotorVelCRF MtrRad | | |
| target Rte Inst Ap VehDyn.VehDyn Per1 RelHwPos HwDeg f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f3 | · - | |
| target_Rte_Inst_Ap_vehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_L | | |
| target Rte Inst Ap VehDyn.VehDyn Per1 SensorlessHwPos HwDeg f32 | target_VehDyn_Per1_SensorlessHwPos_Hw | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc | target VehDyn Per1 SrlHwAgVld Cnt Igc | | |
| target_Rte_Inst_Ap_vehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target VehDyn Per1 SrlHwAg HwDeg f32 | | |
| target_Rte_Inst_Ap_vehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_MtrN | lm f32 | |
| target_Rte_Inst_Ap_vehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc | target_VehDyn_Per1_VehicleSpeedValid_Cr | | |
| target_Rte_Inst_Ap_venDyn.VenDyn_Per1_VenicleSpeed_Valid_Crit_igc target_Rte_Inst_Ap_vehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph_f3 | | |
| target_Kte_inst_Ap_venDyn.venDyn_Peri_venicieSpeed_Kpn_t32 target_VehDyn_Peri_CcwEOT_HwDeg_f32.value | -937.349976 | | |
| | | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 1247.80005 2 | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | -897.599976 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | 1590.80005 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 0 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | -768.349976 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | 5.5999999 | | |
| | | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 0 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 230.869995 | I | 1_ |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name | 230.869995 Actual Value | Expected Value | Result |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 230.869995 Actual Value 1 | 1 | • |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 230.869995 Actual Value 1 2553156835 | 1 2553156835 | Result |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 230.869995 Actual Value 1 2553156835 3174948758 | 1 2553156835 3174948758 | • |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 230.869995 Actual Value 1 2553156835 | 1 2553156835 | · |



| Name | Actual Value | Expected Value | Result |
|-----------------------------------------------------------------|--------------|-----------------------|----------|
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 2659241984 | 2659241984 | • |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 3174948758 | 3174948758 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1590.80005 | 1590.80005 ± 0.009 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1590.80005 | 1590.80005 ± 0.009 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 2659241984 | 2659241984 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 3174948758 | 3174948758 | • |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1590.80005 | 1590.80005 ± 0.009 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1590.80005 | 1590.80005 ± 0.009 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 | 0 | ✓ |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | • |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 | 0 | ✓ |
| VehDyn_MaxOffset_HwDeg_M_f32 | 1247.80005 | 1247.80005 | • |
| VehDyn_MinOffset_HwDeg_M_f32 | -937.349976 | -937.349976 | ✓ |
| VehDyn_PinTrqSV_M_str.SV_UIs_f32 | 1.50024426 | 1.50024426 ± 0.000009 | ~ |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 3039943680 | 3039943680 | ~ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 0.26699999 | 0.26699999 ± 0.004 | ~ |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | 822.450073 | 822.450012 ± 0.1 | ✓ |

| au | | | | | |
|----------------------------------------------------|-------|----------------------------------------------------|-------|----------|--|
| Actual Function | Count | Expected Function | Count | Result | |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ | |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | • | |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ | |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | • | |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | • | |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | • | |
| Rte Call VehDyn Per1 CP1 CheckpointReached | 1 | Rte Call VehDyn Per1 CP1 CheckpointReached | 1 | ~ | |

| Fest Step 2.85 (Repeat Count = 1) | | |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|--|
| Name | Input Value | |
| OtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime | |
| etSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime | |
| tte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime | |
| te_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime | |
| te_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn | |
| ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 0 | |
| ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 34.2000008 | |
| ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 126.199997 | |
| ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 12.1999998 | |
| ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 85.1999969 | |
| ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 13352 | |
| ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 14442 | |
| ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 2760420809 | |
| ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 3382212733 | |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1341.30005 | |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000812000013 | |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1341.30005 | |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000812000013 | |
| ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 | |
| ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 | |
| ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | |
| ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | |
| ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 86.0999985 | |
| ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 123 | |
| ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 14.199998 | |
| ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 42.2000008 | |
| ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 12258 | |
| ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 36416 | |



| Name Webpy, Auschaniskay M. ex Timen 1 dis 20 Vebby, Auschaniskay M. ex Timen 2 dis 20 Vebby, Auschaniskay M. ex | | | |
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| Valory Autocressory M. at Transit Piss 322 Valory Autocressory M. at | Name | Input Value | |
| Validory, Auschreidisch, M. in Prairie (1984) and State (| VehDyn AutoCntrHiSpd M str.Timer1 mS u32 | • | |
| Verolby, Audicentisky, M. vs. Retharborisky, Hology as V. Us. 102 Verolby, Audicentisky, M. vs. Retharborisky, Hology as V. Us. 102 Verolby, Audicentisky, M. vs. Retharborisky, Hology as V. Us. 102 Verolby, Audicentisky, M. vs. Retharborisky, Hology as V. Us. 102 Verolby, Audicentisky, M. vs. Retharborisky, Hology as V. Us. 102 Verolby, Audicentisky, M. vs. Retharborisky, | | 3382212733 | |
| Verbilly, Audicrinis (Part J. et al. New York) A | VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1341.30005 | |
| Verbity AutoContributy Verbity | VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000600000028 | |
| Velopy AutocrineSty M. ser Field Tested, Crit. Jpc Velopy AutocrineSty M. ser Field Tested Velopy Crit. Jpc Velopy AutocrineSty M. ser Field Tested Velopy Crit. Jpc Velopy AutocrineSty M. ser Field Tested Velopy Crit. Jpc Velopy AutocrineSty M. ser Field Tested Velopy Crit. Jpc Velopy AutocrineSty M. ser Field Tested Velopy Crit. Jpc Velopy AutocrineSty M. ser Field Tested Crit. Jpc Velopy Autocrit. See M. ser Field Tested Crit. Jpc Velopy Autocrit. See M. ser Field Tested Crit. Jpc Velopy Autocrit. See M. ser Field Tested Crit. Jpc Velopy Autocrit. See M. ser Field Tested Crit. Jpc Velopy Autocrit. See M. ser Field Tested Crit. Jpc Velopy Autocrit. See M. ser Velopy M. ser Jpc Velopy Autocrit. See M. ser Velopy M. ser Jpc Velopy Autocr | VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1341.30005 | |
| Verilings Macked millings Mars Film Hallings 1 | VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000192000007 | |
| Verboy, AusConfessor, M. ps. Filter Inflationact Crit. (p. 444) Verboy, AusConfessor, M. ps. Filter Inflationact Crit. (p. 9 Verboy, AusConfessor, M. ps. Filter Inflationact Crit. (p. 9 Verboy, AusConfessor, M. ps. Filter Inflationact Crit. (p. 9 Verboy, AusConfessor, M. ps. Filter Inflationact Crit. (p. 9 Verboy, AusConfessor, M. ps. Filter Inflationact Crit. (p. 9 Verboy, AusConfessor, M. ps. Filter Inflationact Crit. (p. 9 Verboy, AusConfessor, M. ps. Filter Inflationact Crit. (p. 9 Verboy, AusConfessor, M. ps. Filter Inflationact Crit. (p. 9 Verboy, AusConfessor, M. ps. Filter Inflationact Crit. (p. 9 Verboy, AusConfessor, M. ps. Filter Inflationact Crit. (p. 9 Verboy, AusConfessor, M. ps. Filter Inflationact Crit. (p. 9 Verboy, AusConfessor, M. ps. Filter Inflationact Crit. (p. 9 Verboy, AusConfessor, M. ps. Filter Inflationact Crit. (p. 9 Verboy, AusConfessor, M. ps. Filter Inflationact Crit. (p. 9 Verboy, AusConfessor, M. ps. Filter Inflationact Crit. (p. 9 Verboy, AusConfessor, M. ps. Filter Inflationact Crit. (p. 9 Verboy, AusConfessor, M. ps. Filter Inflationact Crit. (p. 9 Verboy, AusConfessor, M. ps. Filter Inflationact Crit. (p. 9 Verboy, AusConfessor, M. ps. Filter Inflationact Crit. (p. 9 Verboy, AusConfessor, M. ps. Filter Inflationact Crit. (p. 9 Verboy, AusConfessor, M. ps. Filter Inflationact Crit. (p. 9 Verboy, AusConfessor, M. ps. Filter Inflationact Crit. (p. 9 Verboy, AusConfessor, M. ps. Filter Inflationact Crit. (p. 9 Verboy, AusConfessor, M. ps. Filter Inflationact Crit. (p. 9 Verboy, AusConfessor, M. ps. Filter Inflationact Crit. (p. 9 Verboy, Ausconfessor, M. ps. Filter Inflationact Crit. (p. 9 Verboy, Ausconfessor, M. ps. Filter Inflationact Crit. (p. 9 Verboy, Ausconfessor, M. ps. Filter Inflationact Crit. (p. 9 Verboy, Ausconfessor, M. ps. Filter Inflationact Crit. (p. 9 Verboy, Ausconfessor, M. ps. Filter Inflationact Crit. (p. 9 Verboy, Ausconfessor, M. ps. Filter Inflationact Crit. (p. 9 Verboy, Ausconfessor, M. ps. Filter Inflationact Crit. (p. 9 Verboy, Ausconfessor, M. ps. F | VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | |
| VerDipt, Auschnick 2009 M. at Michael Spt. 152 VerDipt, Auschnick 2009 M. at Michael Spt. 152 VerDipt, Auschnick 2009 M. at Feller'n First New Spt. 152 VerDipt, Auschnick 2009 M. at Feller'n First New Spt. 152 VerDipt, Auschnick 2009 M. at Feller'n First New Spt. 153 VerDipt, Auschnick 2009 M. at Feller'n First New Spt. 153 VerDipt, Auschnick 2004 M. at Timer's Privatur, 80, 116 VerDipt, Auschnick 2004 M. at Timer's Privatur, 80, 116 VerDipt, Auschnick 2004 M. at Timer's Privatur, 80, 116 VerDipt, Auschnick 2004 M. at Timer's Privatur, 80, 116 VerDipt, Auschnick 2004 M. at Timer's Privatur, 80, 116 VerDipt, Auschnick 2004 M. at Timer's Privatur, 80, 116 VerDipt, Auschnick 2004 M. at Timer's Privatur, 80, 116 VerDipt, Auschnick 2004 M. at Timer's Privatur, 80, 116 VerDipt, Auschnick 2004 M. at Timer's Privatur, 80, 116 VerDipt, Auschnick 2004 M. at Timer's Privatur, 80, 116 VerDipt, Auschnick 2004 M. at Timer's Privatur, 80, 116 VerDipt, Auschnick 2004 M. at Timer's Privatur, 80, 116 VerDipt, Auschnick 2004 M. at Timer's Privatur, 80, 116 VerDipt, Auschnick 2004 M. at Timer's Privatur, 80, 116 VerDipt, Auschnick 2004 M. at Timer's Privatur, 80, 116 VerDipt, Auschnick 2004 M. at Timer's Privatur, 80, 116 VerDipt, Auschnick 2004 M. at Timer's Privatur, 80, 116 VerDipt, Auschnick 2004 M. at Timer's Privatur, 80, 116 VerDipt, Auschnick 2004 M. at Timer's Privatur, 80, 116 VerDipt, Auschnick 2004 M. at Timer's Privatur, 80, 116 VerDipt, Auschnick 2004 M. at Timer's Privatur, 80, 116 VerDipt, Auschnick 2004 M. at Timer's Privatur, 80, 116 VerDipt, Auschnick 2004 M. at Timer's Privatur, 80, 116 VerDipt, Auschnick 2004 M. at Timer's Privatur, 80, 116 VerDipt, Auschnick 2004 M. at Timer's Privatur, 80, 116 VerDipt, Auschnick 2004 M. at Timer's Privatur, 80, 116 VerDipt, Auschnick 2004 M. at Timer's Privatur, 80, 116 VerDipt, Auschnick 2004 M. at Timer's Privatur, 80, 116 VerDipt, Auschnick 2004 M. at Timer's Privatur, 80, 116 VerDipt, Auschnick 2004 M. at Timer's Privatur, 80, 116 VerDipt, Auschnick 2004 M. at Timer's Pr | VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1. | |
| Verbiny_Authorities 6d M. str Michight M. | VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | |
| Verbiny AutoContest Spil M. Ser Information Verbiny AutoContest Verb | VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | |
| Verboy_AutContic.Spp M_ str Emiration Holog. 12 Verboy_AutContic.Spp M_ str Emiration Holog. 13 Verboy_AutContic.Spp M_ str Emiration Holog. 13 Verboy_AutContic.Spp M_ str Emiration Holog. 15 Verboy_AutContic.Spp M_ str Emiration Holog. | VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 34 | |
| Verlingth AssContack Sold M. St Trimort Treath, Pills 18 18 18 19 19 19 19 19 | VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 126.599998 | |
| Verilipy A. MacConte Sage M. M. Primer Themselm Pill 9 | - · - · · - · - · - · - · - · - · - · - | 14.3999996 | |
| webby_Anconticopy_M_strimer_mes_mg_u16 webby_Anconticopy_M_strimer_ms_u22 webby_M_strimer_ms_u22 ### Webby_M_strimer_ms_ | | | |
| Verbilly, Authoritics, M. M. S. Timer STreet, m.g., 116 Verbilly, Authoritics, M. M. S. Timer S. Timer M. S. S. S. Verbilly, Authoritics, M. M. S. Timer M. S. S. S. Verbilly, Authoritics, M. M. S. Timer M. S. S. Verbilly, Authoritics, M. M. S. Timer M. S. S. Verbilly, Authoritics, M. M. S. Timer M. S. Verbilly, Authoritics, M. M. S. Verbilly, M. S. Verbill | | 33198 | |
| vehDyn_AubConticsgot_M_strTimert_ms_us2 2760428889 vehDyn_AubConticsgot_M_strTimert_ms_us2 314130005 vehDyn_AubConticsgot_M_strReliveStrAmbon_strSt_V.Hong_strX_Us_ns2 314130005 vehDyn_AubConticsgot_M_strReliveStrAmbon_strX_V.Hong_strX_Us_ns2 144130005 vehDyn_AubConticsgot_M_strReliveStrAmbon_strX_V.Hong_strX_Us_ns2 144130005 vehDyn_AubConticsgot_M_strReliveStrX_Hong_strX_Us_ns2 1 vehDyn_AubConticsgot_M_strReliveStrX_Hong_strX_Us_ns2 0 vehDyn_AubConticsgot_M_strReliveStrX_Hong_strX_Us_ns2 0 vehDyn_AubConticsgot_M_strReliveStrX_Hong_strX_Us_ns2 0 vehDyn_ForceCenterEnable_Cort_Mg 0 vehDyn_ForceCenterEnable_Cort_Mg 1 vehDyn_ForceCenterEnable_Cort_Mg 1 vehDyn_ForceCenterEnable_Cort_Mg 1 vehDyn_ForceCenterEnable_Cort_Mg 1 vehDyn_ForceCenterEnable_Cort_Mg 1 verbyn_ForceCenterEnable_Cort_Mg 1 verbyn_ForceCenterEnable_Cort_Mg 1 verbyn_ForceCenterEnable_Cort_Mg 1 verbyn_ForceCenterEnable_Cort_Mg 1 verbyn_ForceCort_Mg 10 verbyn_ForceCort_Mg 10 | | 7778 | |
| Verbiny Association Martimer Martine M | | | |
| Verbilly, AudoCinted. Sept. M. at RethNerbarist SV, Hubeg. att SV, Uis. 12 Verbilly, AudoCinted. M. att RethNerbarist SV, Hubeg. att SV, Uis. 12 Verbilly, AudoCinted. M. att RethNerbarist SV, Hubeg. att SV, Uis. 13 Verbilly, AudoCinted. M. att RethNerbarist SV, Hubeg. att SV, Uis. 13 Verbilly, AudoCinted. M. att RethNerbarist SV, Hubeg. att SV, Uis. 13 Verbilly, AudoCinted. M. att RethNerbarist SV, Hubeg. att SV, Uis. 13 Verbilly, AudoCinted. M. att RethNerbarist SV, Hubeg. att SV, Uis. 13 Verbilly, AudoCinted. Sept. M. att RethNerbarist Cint. 16 Verbilly, MicroCint. 16 V | | 3382212733 | |
| Verbildyn_AutoComtLoSpd_M_str_Rehlwors=IIISSV_More_gs_KV_Uis_122 Verbildyn_Espd_Lesm_Comt_M_gs Verbildyn_AutoComtLoSpd_M_str_Rehlwors=IIISSV_More_gs_KV_Uis_122 Verbildyn_Espd_Lesm_Comt_M_gs Verbildyn_AutoComtLoSpd_M_str_Rehlwors=IIISSV_More_gs_KV_Uis_122 Verbildyn_Espd_Lesm_Comt_M_gs_KV_Uis_122 Verbildyn_Espd_Lesm_Comt_M_gs_KV_Uis_122 Verbildyn_Espd_Nore_gs_KV_Uis_122 Verbildyn_E | | | |
| VerbOy_AutoCritCsQsQ_M_str.FilerEnable_Crit_Qsc_MS_V_Us_T32 | | 5.7400005e-005 | |
| Verbilly Auto-Critic Sept M, ser Reit-Harban (crit I) or Verbilly Auto-Critic Sept M, ser Finite Teache (crit I) or Verbilly Auto-Critic Sept M, ser Finite Teache (crit I) or Verbilly Auto-Critic Sept M, ser Finite Teache (crit I) or Verbilly Auto-Critic Sept M, ser Finite Teache (crit I) or Verbilly Auto-Critic Sept M, ser Finite Teache (crit I) or Verbilly Auto-Critic Sept M, ser Finite Teached (crit I) or Verbilly Auto-Critic Sept M, ser Finite Teached (crit I) or Verbilly Auto-Critic Sept M, ser Finite Teached (crit II) or Verbilly Auto-Critic Sept M, ser Finite Teached (crit II) or Verbilly Auto-Critic Sept M, ser Finite Teached (crit II) or Verbilly Auto-Critic Sept M, ser Verbilly Auto-Critic M, sept M | 7 - 7 - 7 - 7 - 7 - 7 - 7 | | |
| VerlDyn, AutoCriticSpd, M. str. Filter Enable, Crit. Igc VerlDyn, AutoCriticSpd, M. str. Filter Enable, Crit. Igc VerlDyn, ForesCenterSpalled, Crit. Igc VerlDyn, ForesCenterCritical May Filter Entitiations of Crit. Igc VerlDyn, ForesCenterCritical May Filter Entitiations of Crit. Igc VerlDyn, ForesCenterCritical May Filter Entitiations of Crit. Igc VerlDyn, ForesCenterCritical May Filter Entitiation of Crit. Igc VerlDyn, ForesCenterCritical May Filter Entitiation of Crit. Igc VerlDyn, ForesCenterCritical May Filter Entitle Entit | | | |
| VerDyn_AutoCnttLoSpd_M_str_FilerInitalized_Cnt_Ugo | , – , – – – – – – – – – – – – – – – – – | | |
| VerDyn AutContic Sop M. str. Fileral Initialized Cnt. Igc | | | |
| VerDyn_ForceCenterEnabled_Cnt_M_gc | , – , – – – – – – – – – – – – – – – – – | | |
| VerDyn_ForceCenter(Facilited_Crt_M_lgc) VerDyn_HSpd_teamt_Cnt_M_lgc) VerDyn_HSpd_teamt_Cnt_M_lgc) 1 VerDyn_HSpd_teamt_Cnt_M_lgc) 1 VerDyn_HSpd_teamt_Cnt_M_lgc) 1 VerDyn_MscOffset_Hvbeg_M_f32 VerDyn_MscOffset_Hvbeg_M_f32 VerDyn_Dyn_MscOffset_Hvbeg_M_f32 VerDyn_Dyn_MscOffset_Hvbeg_M_f32 VerDyn_Dyn_MscOffset_Hvbeg_M_f32 VerDyn_Dyn_MscOffset_Hvbeg_M_f32 VerDyn_Dyn_MscOffset_Hvbeg_M_f32 VerDyn_Dyn_MscOffset_Hvbeg_M_f32 VerDyn_SitPhivAuth_Uis_M_f32 VerDyn_SitPhivAuth_Uis_Msc_f32 VerDyn_Msc_f34 VerDyn_VerDyn_VerDyn_VerDyn_VerDyn_VerDyn_VerDyn_VerDyn_VerDyn_VerDyn_VerDyn_VerDyn_VerDyn_VerDyn_VerDyn_VerDyn_VerDyn_VerDyn_VerDyn_VerDyn_VerDyn_VerDyn_VerDyn_VerDyn_VerDyn_VerDyn_VerDyn_VerDyn_VerDyn_VerDyn_VerDyn_VerDyn_VerDyn_VerDyn_VerDyn_VerDyn_VerDyn_VerDyn_VerDyn_VerDyn_VerDyn_VerDyn_VerDyn_VerDyn_VerDyn_VerDyn_VerDyn_VerDyn_VerDyn_VerDyn_VerDyn_VerDyn_VerDyn_VerDyn_VerDyn_VerDyn_VerDyn_VerDyn_VerDyn_VerDyn_VerDyn_VerDyn_VerDyn_VerDyn_VerDyn_VerDyn_VerDyn_VerDyn_VerDyn_VerDyn_VerDyn_VerDyn_VerDyn_VerDyn_VerDyn_VerDyn_VerDyn_VerDyn_VerDyn_VerDyn_VerDyn_VerDyn_VerDyn_VerDyn_VerDyn_VerDyn_VerDyn_VerDyn_VerDyn_VerDyn_VerDyn_VerDyn_VerDyn_VerDyn_VerD | | · | |
| VerDyn_Pisod.cemt_Cnt_W_lgc | | | |
| VerlDyn_IbSputcemt_Cnt_M_lgc | | | |
| VerDyn_LoSpd.eam_Cnt_Migo | , | | |
| VerDyn_LoSpdLeamLCnt_M_lgc VerDyn_MaxOffset_Hwbeg_M_152 VerDyn_MaxOffset_Hwbeg_M_152 VerDyn_MaxOffset_Hwbeg_M_152 VerDyn_MaxOffset_Hwbeg_M_152 VerDyn_Stether_Hwbeg_M_152 VerDyn_Stethewath_Uls_M_152 0.000403000013 VerDyn_Stethewath_Uls_M_152 VerDyn_M_152 VerDyn_M_1 | | | |
| VehDyn MaxOffset HwDeg M, 132 497.75 VehDyn Michtee HwDeg M, 132 497.75 VehDyn Phirtos W, str. KV Uls. 132 0.0000000000000013 VehDyn Phirtos W, str. KV Uls. 132 0.00000000000000000000000000000000000 | | | |
| VerDyn, PinTragV, M. str. K. U is. 132 VerDyn, SI-Pirwauth, U is. M. 132 VerDyn, VerDyn, VerDyn, Pirrwauth, U is. M. 132 VerDyn, VerDyn, VerDyn, Pirrwauth, U is. M. 133 Verdyn, Verdyn, Verdyn, Verdyn, Pirrwauth, U is. M. 134 Verdyn, Verdyn, Verdyn, Verdyn, Pirrwauth, U is. M. 134 Verdyn, Verd | | | |
| VenDyn PinTrqSV M str. SV Uls [32 | , | | |
| VerbDyn_SIPHWAUL_UIS_M_132 0.00403000091 VerbDyn_SIPHWAUL_UIS_M_132 0.284000009 VerbDyn_SIPHWOS_HWOS_M_152 -758.000027 VerbDyn_SIPHWOS_HWOS_M_152 1316564736 VerbDyn_SIPHWOS_HWOS_M_152 1316564736 VerbDyn_SIPHWOS_HWOS_M_152 1.5 VerbDyn_SIPHWOS_HWOS_M_152 1.5 VerbDyn_SIPHWOS_M_154 1.0 | · | | |
| VehDyn_SLPHwRouth_Uls_M_R32 0.284000009 VehDyn_SLPHwRog_NLP132 -758.090027 VehDyn_SIPHwRog_NLP132 1316684736 VehDyn_SIPHwRog_NLP132 0 k_HispdVDAuthority_Uls_132 1 k_LoSpdVDAuthority_Uls_132 1 k_Collection_Vls_Uls_132 1 k_SchirkAR30 MRTbeghtwDeg_152 10.000004 k_TravelXCDeadband_Uls_132 85.7799988 k_TravelXCDeadband_Uls_132 85.7799988 k_TravelXCHWAUthority_Uls_132 10.000004 target_DImmElapsedTime_mS_uls_2_CurrentTime 1060692864 target_Rel_Call_Ap_VehDyn_SystemTime_Define_mS_uls_2_CurrentTime 1060692864 target_Rel_Rel_Ap_VehDyn_SystemTime_GetSystemTime_mS_uls_2_CurrentTime 116564738 target_Rel_Rel_Ap_VehDyn_SystemTime_GetSystemTime_mS_uls_2_CurrentTime 1316564738 target_Rel_Inst_Ap_VehDyn_VehDyn_Pert_CowEOT_HwDeg_132 target_VehDyn_Pert_CowEOT_HwDeg_132 target_Rel_Inst_Ap_VehDyn_VehDyn_Pert_Rel_MotorVelCRF_MtrRadpS_132 target_VehDyn_Pert_MotorVelCRF_MtrRadpS_132 target_Rel_Inst_Ap_VehDyn_VehDyn_Pert_SensoriessAwtority_Uls_132 target_VehDyn_Pert_MotorVelCRF_MtrNeg_132 target_Rel_Inst_Ap_VehDyn_VehDyn_Pert_SensoriessAwtority_Uls_132 target_Ve | | | |
| VehDyn_SIPHwPos_HwDeg_M_[32] -758.090027 VehDyn_SHHwAgVidTimer_mS_M_u32 -758.090027 VehDyn_SHHwAgVidTimer_mS_M_u32 -0 k_HwTqMgnThd_HwMm_[32] -1 k_LoSpdVDAuthority_Usl_s32 -1 k_SirkHwAgVidTimer_mS_u32 -703 k_SyskinRatio_MtrDegpthwDeg_132 -1 k_SirkHwAgVidTimer_mS_u32 -703 k_SyskinRatio_MtrDegpthwDeg_132 -1 k_TraveIXCH-MAuthority_Usl_s32 -1 target_Rel_ms_u32_ElapsedTime -1 target_Rel_ms_mS_u32_ElapsedTime -1 target_Rel_ms_mS_u32_ElapsedTime -1 target_Rel_call_Ap_VehDyn_SystemTime_edisystemTime_mS_u32_ElapsedTime -1 target_Rel_call_Ap_VehDyn_SystemTime_edisystemTime_mS_u32_ElapsedTime -1 target_Rel_call_Ap_VehDyn_SystemTime_edisystemTime_mS_u32_ElapsedTime -1 target_Rel_call_Ap_VehDyn_SystemTime_edisystemTime_mS_u32_ElapsedTime -1 target_Rel_call_Ap_VehDyn_SystemTime_edisystemTime_mS_u32_ElapsedTime -1 target_Rel_lost_Ap_VehDyn_SystemTime_edisystemTime_mS_u32_ElapsedTime -1 target_Rel_lost_Ap_VehDyn_VehDyn_Pert_CwEOT_HwDeg_132 -1 target_Rel_lost_Ap_VehDyn_VehDyn_Pert_CwEOT_HwDeg_132 -1 target_Rel_lost_Ap_VehDyn_VehDyn_Pert_Motrve(CRF_MtrRadpS_f32 -1 target_Rel_lost_Ap_VehDyn_VehDyn_Pert_SensoriessAuthority_Usl_s32 -1 target_Rel_lost_Ap_VehDyn_VehDyn_Pert_SensoriessAuthority_Usl_s32 -1 target_Rel_lost_Ap_VehDyn_VehDyn_Pert_SensoriessAuthority_Usl_s32 -1 target_Rel_lost_Ap_VehDyn_VehDyn_Pert_Sirl+wAgVid_Cnt_Ugc -1 target_VehDyn_Pert_Sirl+wAgVid_Cnt_Ugc -1 target_VehDyn_Pert_Sirl+wAgVid_Cnt_Ugc-value -1 target_VehDyn_Pert_Sirl+wAgVid_Cnt_Ugc-v | | | |
| VehDyn, SrithwAgVidTimer_mS_M_u32 | | | |
| k_HispdVDAuthority_Uis_f32 k_HivTqMgnThd_HwMm_f32 k_LoSpdVDAuthority_Uis_f32 k_SriHwAgVIdTThd_mS_u32 k_SrysKiRatio_MtrDegpHwDeg_f32 k_SrysKiRatio_MtrDegpHwDeg_f32 k_SrysKiRatio_MtrDegpHwDeg_f32 k_SrysKiRatio_MtrDegpHwDeg_f32 k_SrysKiRatio_MtrDegpHwDeg_f32 k_SrysKiRatio_MtrDegpHwDeg_f32 k_TravelXCHwAuthority_Uis_f32 larget_DtemptalpasedTime_mS_u32_ElapsedTime 1056082864 larget_Rte_Gail_Ap_VehDyn_SystemTime_DtrimnElapsedTime_mS_u32_ElapsedTide larget_Rte_Cail_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_ElapsedTide larget_Rte_Cail_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime 1316564736 larget_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CwEOT_HwDeg_f32 larget_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CwEOT_HwDeg_f32 larget_Rte_Inst_Ap_VehDyn_VehDyn_Per1_Mtracque_HwMm_f32 larget_Rte_Inst_Ap_VehDyn_VehDyn_Per1_Mtracque_HwMm_f32 larget_Rte_Inst_Ap_VehDyn_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 larget_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensoriessHwPos_HwDeg_f32 larget_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SirtHwAg_HwDeg_f32 larget_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SirtHwAg_HwDeg_f32 larget_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SirtHwAg_HwDeg_f32 larget_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SirtHwAg_HwDeg_f32 larget_Rte_Inst_Ap_VehDyn_VehDyn_Per1_Torque_mdCRf_Mintm_f32 larget_Rte_Inst_Ap_VehDyn_VehDyn_Per1_Torque_fmdCRf_Mintm_f32 larget_VehDyn_Per1_VehicleSpeedVaild_Cnt_Igc_va | | | |
| K HwTqMgnThd HwNm_f32 1.5 K LoSpQVDAuthority_UIs_732 1 K_SHHwQyGlTThd_MS_U32 703 K_STHWAQVGTThd_MS_U32 10.1000004 K_TravelXCDeadband_UIs_f32 85.7799988 K_TravelXCHwAthority_UIs_f32 0.114624999 target_DtrmnElapsedTime_mS_u32_ElapsedTime 1050692864 target_RE_Call_AD_vebDn_SystemTime_DtrmnElapsedTime_mS_u32_CurrentTime 463842816 target_RE_Call_AD_vebDn_SystemTime_GetSystemTime_mS_u32_CurrentTime 463842816 target_RE_Inst_AD_vebDyn_NebDyn_Per1_CowEOT_HwDeg_f32 target_VebDyn_Per1_CwEOT_HwDeg_f32 target_RE_Inst_AD_vebDyn_NebDyn_Per1_CowEOT_HwDeg_f32 target_VebDyn_Per1_CwEOT_HwDeg_f32 target_RE_Inst_AD_vebDyn_NebDyn_Per1_HwTorque_HwNm_f32 target_VebDyn_Per1_MelvPer1_WebS_f32 target_RE_Inst_AD_vebDyn_NebDyn_Per1_SensoriessAuthority_UIs_f32 target_VebDyn_Per1_MelvPer3_HwDeg_f32 target_RE_Inst_AD_vebDyn_NebDyn_Per1_SensoriessAuthority_UIs_f32 target_VebDyn_Per1_SensoriessAuthority_UIs_f32 target_RE_Inst_AD_vebDyn_NebDyn_Per1_SensoriessAuthority_UIs_f32 target_VebDyn_Per1_SensoriessAuthority_UIs_f32 target_RE_Inst_AD_vebDyn_NebDyn_Per1_SensoriessAuthority_UIs_f32 target_VebDyn_Per1_SensoriessAuthority_UIs_f32 target_RE_Inst_AD_vebDyn_NebDyn_Per1_SensoriessAuthority_UIs | VehDyn_SrlHwAgVldTimer_mS_M_u32 | | |
| K_ CSPHVDAUthority, UIs_132 1 K_ SIRHWAGVIGTITHd, mS_ u32 703 K_ SYSKINRatio_MitrDegpHvDeg_132 10.1000004 K_ TraveIXCDeaddand_UIs_132 85.7799988 K_ TraveIXCHWAUthority, UIs_132 0.114624999 Larget_DetromElapsedTime_mS_u32_ElapsedTime 1050692864 Larget_Rec_GeltSystemTime_mS_u32_CurrentTime 2942063360 Larget_Rec_Call_AD_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime 1316564736 Larget_Ret_Call_AD_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime 1316564736 Larget_Ret_Inst_AD_VehDyn_VehDyn_Per1_CowEOT_HwDeg_132 Larget_Ret_Inst_AD_VehDyn.VehDyn_Per1_CowEOT_HwDeg_132 Larget_VehDyn_Per1_CwEOT_HwDeg_132 Larget_Ret_Inst_AD_VehDyn_VehDyn_Per1_HwTorque_HwNm_132 Larget_VehDyn_Per1_HwTorque_HwNm_132 Larget_VehDyn_Per1_HwTorque_HwNm_132 Larget_Ret_Inst_AD_VehDyn.VehDyn_Per1_SensoriessAwthority_UIs_132 Larget_VehDyn_Per1_SensoriessAwthority_UIs_132 Larget_VehDyn_Per1_SensoriessAwthority_UIs_612 Larget_Ret_Inst_AD_VehDyn.VehDyn_Per1_SensoriessAwthority_UIs_612 Larget_VehDyn_Per1_SensoriessAwthory_UIs_612 Larget_Ret_Inst_AD_VehDyn.VehDyn_Per1_SensoriessAwthority_UIs_612 Larget_VehDyn_Per1_SensoriessAwthority_UIs_612 Larget_Ret_Inst_AD_VehDyn.VehDyn_Per1_SensoriessAwthority_UIs_612 Larget_VehDyn_Per1_Sensori | k_HiSpdVDAuthority_Uls_f32 | 0 | |
| K_SriHwAgVIdTiThd_mS_u32 703 K_SysKinRatio_Mt/DepthwDeg_132 10.1000004 K_TravelXCDeadband_Uls_f32 85.7799988 K_TravelXCHwAuthority_Uls_f32 0.114624999 target_DimmElapsedTime_mS_u32_ElapsedTime 1050692884 target_Rec_Gall_Ap_VehDyn_SystemTime_DtrmmElapsedTime_mS_u32_ElapsedTime 463842816 target_Rec_Call_Ap_VehDyn_SystemTime_DtrmmElapsedTime_mS_u32_CurrentTime 1436564736 target_Rec_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime 1436564736 target_Rec_Inst_Ap_VehDyn_VehDyn_Per1_CwEOT_HwDeg_f32 target_VehDyn_Per1_CwEOT_HwDeg_f32 target_Rec_Inst_Ap_VehDyn_VehDyn_Per1_CwEOT_HwDeg_f32 target_VehDyn_Per1_CwEOT_HwDeg_f32 target_Rec_Inst_Ap_VehDyn_VehDyn_Per1_ReHIMPOS_HwDeg_f32 target_VehDyn_Per1_MotorvelCRF_MtrRadpS_f32 target_Rec_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessAtthority_Uls_f32 target_VehDyn_Per1_ReHIMPOS_HwDeg_f32 target_Rec_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessAtthority_Uls_f32 target_VehDyn_Per1_ReHIMPOS_HwDeg_f32 target_Rec_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessAtthority_Uls_f32 target_VehDyn_Per1_SensorlessAtthority_Uls_f32 target_Rec_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessAtthority_Uls_f32 target_VehDyn_Per1_SensorlessAtthority_Uls_f32 target_Rec_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessAtthority_Uls_f | | | |
| k_TysekIKRatio_MIrDegpHwDeg_f32 | k_LoSpdVDAuthority_Uls_f32 | 1 | |
| K_TravelXCDeadband_Uls_f32 85.7799988 K_TravelXCHwAuthority_Uls_f32 0.114624999 target_DtrnnElapsedTime_mS_u32_CurrentTime 105082864 target_Rie_Call_Ap_VehDyn_SystemTime_DtrnnElapsedTime_mS_u32_ElapsedTime 2942063360 target_Rie_Call_Ap_VehDyn_SystemTime_DtrnnElapsedTime_mS_u32_CurrentTime 1346564736 target_Rie_Inst_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime 1316564736 target_Rie_Inst_Ap_VehDyn_VehDyn_Per1_CwEOT_HwDeg_f32 target_VehDyn_Per1_CwEOT_HwDeg_f32 target_Rie_Inst_Ap_VehDyn_VehDyn_Per1_CwEOT_HwDeg_f32 target_VehDyn_Per1_LwTorque_HwMm_f32 target_Rie_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_Rie_Inst_Ap_VehDyn.VehDyn_Per1_SensoriessAuthority_Uls_f32 target_VehDyn_Per1_SensoriessAuthority_Uls_f32 target_Rie_Inst_Ap_VehDyn.VehDyn_Per1_SensoriessHwPos_HwDeg_f32 target_VehDyn_Per1_SensoriessAuthority_Uls_f32 target_Rie_Inst_Ap_VehDyn.VehDyn_Per1_SensoriessHwPos_HwDeg_f32 target_VehDyn_Per1_SensoriessAuthority_Uls_f32 target_Rie_Inst_Ap_VehDyn.VehDyn_Per1_SirlHwAgVid_Cnt_lgc target_VehDyn_Per1_SensoriessAuthority_Uls_f32 target_Rie_Inst_Ap_VehDyn.VehDyn_Per1_SirlHwAgVid_Cnt_lgc target_VehDyn_Per1_SirlHwAgVid_Cnt_lgc target_Rie_Inst_Ap_VehDyn.VehDyn_Per1_SirlHwAgVid_Cnt_lgc | k_SrlHwAgVldTiThd_mS_u32 | 703 | |
| k_TravelXCHwAuthority_Uls_f32 target_DtrmnElapsedTime_mS_u32_CurrentTime 1050692864 target_GetSystemTime_mS_u32_CurrentTime 2942063360 target_Re_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_d63842816 target_Re_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_CurrentTime_d763842816 target_Re_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_CurrentTime_d763842816 target_Re_Inst_Ap_VehDyn_VehDyn_Per1_CwEOT_HwDeg_f32 target_Re_Inst_Ap_VehDyn_VehDyn_Per1_CwEOT_HwDeg_f32 target_Re_Inst_Ap_VehDyn_VehDyn_Per1_CwEOT_HwDeg_f32 target_Re_Inst_Ap_VehDyn_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_Re_Inst_Ap_VehDyn_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_Re_Inst_Ap_VehDyn_VehDyn_Per1_SensoriessAuthority_Uls_f32 target_Re_Inst_Ap_VehDyn_VehDyn_Per1_SensoriessAuthority_Uls_f32 target_Re_Inst_Ap_VehDyn_VehDyn_Per1_SensoriessAuthority_Uls_f32 target_Re_Inst_Ap_VehDyn_VehDyn_Per1_SirlHwAgVid_Cnt_Igc target_Re_Inst_Ap_VehDyn_VehDyn_Per1_SirlHwAgVid_Cnt_Igc target_Re_Inst_Ap_VehDyn_VehDyn_Per1_SirlHwAgVid_Cnt_Igc target_Re_Inst_Ap_VehDyn_VehDyn_Per1_SirlHwAg_HwDeg_f32 target_Re_Inst_Ap_VehDyn_VehDyn_Per1_SirlHwAg_HwDeg_f32 target_Re_Inst_Ap_VehDyn_VehDyn_Per1_SirlHwAg_HwDeg_f32 target_Re_Inst_Ap_VehDyn_VehDyn_Per1_SirlHwAg_HwDeg_f32 target_Re_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Re_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CwEOT_HwDeg_f32.value 1258.70703 target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value 1258.70703 target_VehDyn_Per1_SirlHwAg_HwDeg_f32.value 1258.70703 target_ | k_SysKinRatio_MtrDegpHwDeg_f32 | 10.1000004 | |
| 1050692864 2942063360 2942063360 2942063360 2942063360 2942063360 2942063360 2942063360 2942063360 2942063360 2942063360 2942063360 2942063360 2942063360 2942063360 2942063360 2942063360 2942063360 2942063360 2942063360 2942063360 2942063360 2942063360 2942063360 2942063360 2942063360 2942063360 2942063360 2942063360 2942063360 2942063360 2942063360 2942063360 2942063360 2942063360 2942063360 2942063360 2942063360 2942063360 2942063360 2942063360 2942063360 2942063360 2942063360 2942063360 2942063360 2942063360 2942063360 2942063360 2942063360 2942063360 2942063360 2942063360 2942063360 2942063360 2942063360 2942063360 2942063360 2942063360 2942063360 2942063360 2942063360 2942063360 2942063360 2942063360 2942063360 2942063360 2942063360 2942063360 2942063360 2942063360 2942063360 2942063360 2942063360 2942063360 2942063360 2942063360 2942063360 2942063360 2942063360 2942063360 2942063360 2942063360 2942063360 2942063360 2942063360 2942063360 2942063360 2942063360 2942063360 2942063360 2942063360 2942063360 2942063360 2942063360 2942063360 2942063360 2942063360 2942063360 2942063360 2942063360 2942063360 2942063360 2942063360 2942063360 2942063360 2942063360 2942063360 2942063360 2942063360 2942063360 2942063360 2942063360 2942063360 2942063360 2942063360 2942063360 2942063360 2942063360 2942063360 2942063360 294206320 2942063620 2942063620 2942063620 2942063620 2942063620 2942063620 2942063620 2942063620 2942063620 2942063620 2942063620 2942063620 2942063620 2942063620 2942063620 2942063620 2942063620 2942063620 2942063620 2942063620 2942063620 2942063620 2942063620 2942063620 2942063620 2942063620 2942063620 2942063620 2942063620 2942063620 2942063620 2942063620 2942063620 2942063620 2942063620 2942 | k_TravelXCDeadband_Uls_f32 | 85.7799988 | |
| target_GetSystemTime_mS_u32_CurrentTime 2942063360 target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime 1186564736 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_t32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CwEOT_HwDeg_t32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_MotorYelCRF_MtrRadpS_t32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_MotorYelCRF_MtrRadpS_t32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_MotorYelCRF_MtrRadpS_t32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_RelHwPos_HwDeg_t32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessAuthority_UIs_t32 target_VehDyn_Per1_SensorlessAuthority_UIs_t32 target_VehDyn_Per1_S | k_TravelXCHwAuthority_Uls_f32 | 0.114624999 | |
| target_Rte_Call_Ap_VehDyn_SystemTime_DtrnnElapsedTime_mS_u32_CurrentTime target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CwEOT_HwDeg_132 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CwEOT_HwDeg_132 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CwEOT_HwDeg_132 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_MotorVelCRF_MtrRadpS_132 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_MotorVelCRF_MtrRadpS_132 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_MotorVelCRF_MtrRadpS_132 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessAuthority_Uls_132 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessAuthority_Uls_132 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessAuthority_Uls_132 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessAuthority_Uls_132 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrilhwAgVId_Cnt_Igc target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrilhwAgVId_Cnt_Igc target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrilhwAg_HwDeg_132 target_VehDyn_Per1_SrilhwAg_HwDeg_132 target_VehDyn_Per1_SrilhwAg_HwDeg_132 target_VehDyn_Per1_SrilhwAg_HwDeg_132 target_VehDyn_Per1_SrilhwAg_HwDeg_132 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrilhwAg_HwDeg_132 target_VehDyn_Per1_SrilhwAg_HwDeg_132 target_VehDyn_Per1_SrilhwAg_HwDeg_132 target_VehDyn_Per1_SrilhwAg_HwDeg_132 target_VehDyn_Per1_SrilhwAg_HwDeg_132 target_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc target_VehDyn_Per1_VehDyn_Per1_VehicleSpeed_Kph_132 target_VehDyn_Per1_VehDyn_Per1_VehDyn_Per1_VehDyn_Per1_VehDyn_Per1_VehDyn_Per1_VehDyn_Per1_VehDyn_Per1_VehDyn_Per1_VehDyn_Per1_VehDyn_Per1_VehDyn_Per1_VehDyn_Per1_VehDyn_Per1_VehDyn_Per1_VehDyn_Per1_VehDyn_Per1_VehDyn_Per1_VehDyn_Per1_VehDyn_Per1_VehDyn_Per1_VehDyn_Per1_VehDyn_Per1_VehDyn_Per1_VehDyn_Per1_VehDyn_Per1_VehDyn_Per1_VehDyn_Per1_VehDyn_Per1_VehDyn_Per1_VehDyn_Per1_VehDyn_Per1_VehDyn_Per1_VehDyn_Per1_VehDyn_Per1_VehDyn_Per1_VehDyn_Per1_VehDyn_Per1_VehDyn_Per1_VehDyn_Per1_VehDyn_Per1_VehDyn_Per1_VehDyn_Per1_VehDyn_Per1_VehDyn_Per1_VehDyn_Per1_VehDyn_Per1_VehDyn_Per1_VehDyn_Per1_VehDyn_Per1_VehDyn_Per1_VehDyn_Per1_VehDyn_Per1_VehDyn_Per1_Ve | target_DtrmnElapsedTime_mS_u32_ElapsedTime | 1050692864 | |
| target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CowEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_LwTorque_HwNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SriHwAgVId_Cnt_Igc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SriHwAgVId_Cnt_Igc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SriHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_NotorVelCRF_MtrRadpS_f32.value 1258.7073 target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value 154.399994 target_VehDyn_Per1_RelHwPos_HwDeg_f32.value 154.399994 target_VehDyn_Per1_RelHwPos_HwDeg_f32.value 154.399994 target_VehDyn_Per1_SriHwAg_HwDeg_f32.value 154.399999 target_VehDyn_Per1_SriHwAg_HwDeg_f32.value 154.399999 target_VehDyn_Per1_SriHwAg_HwDeg_f32.value 154.399999 target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value 154.399999 target_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc.value 154.399999 target_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc.value 154.399999 | target_GetSystemTime_mS_u32_CurrentTime | 2942063360 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_LwTorque_HwNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SriHwAgVid_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SriHwAgVid_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SriHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SriHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SriHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SriHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_NotorVelCRR_MtrRadpS_f32.value 1258.70703 target_VehDyn_Per1_MotorVelCRR_MtrRadpS_f32.value 1341.30005 target_VehDyn_Per1_SrIHwAgVid_Cnt_lgc.value 1341.30005 target_VehDyn_Per1_SrIHwAgVid_Cnt_lgc.value 1441.30005 target_VehDyn_Per1_SrIHwAgVid_Cnt_lgc.value 1580.90027 target_VehDyn_Per1_SrIHwAgVid_Cnt_lgc.value 145.999999 target_VehDyn_Per1_TorqueCmdCRR_MtrNm_f32.value 145.999999 | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_Elapse | dTi 463842816 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_LwTorque_HwNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SriHwAgVid_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SriHwAgVid_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SriHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SriHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SriHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SriHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_NotorVelCRR_MtrRadpS_f32.value 1258.70703 target_VehDyn_Per1_MotorVelCRR_MtrRadpS_f32.value 1341.30005 target_VehDyn_Per1_SrIHwAgVid_Cnt_lgc.value 1341.30005 target_VehDyn_Per1_SrIHwAgVid_Cnt_lgc.value 1441.30005 target_VehDyn_Per1_SrIHwAgVid_Cnt_lgc.value 1580.90027 target_VehDyn_Per1_SrIHwAgVid_Cnt_lgc.value 145.999999 target_VehDyn_Per1_TorqueCmdCRR_MtrNm_f32.value 145.999999 | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 target_Nte_Inst_Ap_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_VehDyn_Per1_RelHwPos_HwDeg_f32 target_Nte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_UIs_f32 target_VehDyn_Per1_SensorlessAuthority_UIs_f32 target_VehDyn_Per1_SensorlessAuthority_UIs_f32 target_Nte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_UIs_f32 target_VehDyn_Per1_SensorlessAuthority_UIs_f32 target_Nte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_VehDyn_Per1_SensorlessAuthority_UIs_f32 target_VehDyn_Per1_NelPer1_SensorlessAuthority_UIs_f32 target_VehDyn_Per1_NelPer1_SensorlessAuthority_UIs_f32 target_VehDyn_Per1_NelPer1_SensorlessAuthority_UIs_f32 target_VehDyn_Per1_NelPer1_NelPer1_NelPer1_NelPer1_NelPer1_NelPer1_NelPer1_NelPer1_NelPer1_NelPer1_NelPer1_NelPer1_NelPer1_NelPer1_NelPer1_NelPer1_NelPer1_NelPer1_NelPer1_NelPer1_NelPer1_NelPer1_NelPer1_NelPer1_NelPer1_Nel | target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_VehDyn_Per1_RelHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_UIs_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_UIs_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVId_Cnt_Igc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 target_VehDyn_Per1_SrlHwAg_HwDeg_f32 target_VehDyn_Per1_SrlHwAg_HwDeg_f32 target_VehDyn_Per1_SrlHwAg_HwDeg_f32 target_VehDyn_Per1_SrlHwAg_HwDeg_f32 target_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc target_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_LwTorque_HwNm_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_SrlHwAg_VehDg_f32.value target_VehDyn_Per1_SrlHwAg_VehDg_f32.value target_VehDyn_Per1_SrlHwAg_VehDg_f32.value target_VehDyn_Per1_SrlHwAg_VehDg_f32.value target_VehDyn_Per1_SrlHwAg_VehDg_f32.value target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVId_Cnt_Igc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 target_VehDyn_Per1_SrlHwAgVId_Cnt_Igc target_VehDyn_Per1_SrlHwAg_HwDeg_f32 target_VehDyn_Per1_SrlHwAg_HwDeg_f32 target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc target_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CwEOT_HwDeg_f32.value 1258.70703 target_VehDyn_Per1_HwTorque_HwNm_f32.value 1258.70703 target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value 1341.30005 target_VehDyn_Per1_SrlHwAgVId_Cnt_Igc.value 1341.30005 target_VehDyn_Per1_SrlHwAgVId_Cnt_Igc.value 14.5999999 target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value 154.999999 target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value 154.999999 target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value 154.999999 target_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc.value 164.999999 target_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc.value 175.090027 | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_NehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_VehDyn_Per1_SensorlessAuthority_Uls_f32 target_VehDyn_Per1_SensorlessAuthority_Uls_f32 target_VehDyn_Per1_SensorlessAuthority_Uls_f32 target_VehDyn_Per1_SensorlessAuthority_Uls_f32 target_VehDyn_Per1_SensorlessAuthority_Uls_f32 target_VehDyn_Per1_SensorlessAuthority_Uls_f32 target_VehDyn_Per1_SensorlessAuthority_Uls_f32 target_VehDyn_Per1_SensorlessAuthority_Uls_f32 target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_VehDyn_Per1_VehDeg_f32 target_VehDyn_Per1_VehDeg_f32 target_VehDyn_Per1_NotorVehDeg_f32 target_VehDyn_Per1_NotorVehDeg_f32 target_VehDyn_Per1_RelHwPos_HwDeg_f32 target_VehDyn_Per1_RelHwPos_HwDeg_f32 target_VehDyn_Per1_RelHwPos_HwDeg_f32 target_VehDyn_Per1_SrlHwAg_HwDeg_f32 target_VehDyn_Per1_SrlHwAg_HwDeg_f32 target_VehDyn_Per1_SrlHwAg_HwDeg_f32 target_VehDyn_Per1_SrlHwAg_HwDeg_f32 target_VehDyn_Per1_SrlHwAg_HwDeg_f32 target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_UIs_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVId_Cnt_Igc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_NehDyn_Per1_SrlHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc target_NehDyn_Per1_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_Whorque_HwNm_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value target_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc.value target_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc.value target_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc.value target_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc.value | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | | | |
| target_Rte_Inst_Ap_VehDyn.Per1_SrlHwAgVld_Cnt_lgc target_Rte_Inst_Ap_VehDyn.Per1_SrlHwAg_HwDeg_f32 target_VehDyn.Per1_SrlHwAg_HwDeg_f32 target_VehDyn.Per1_SrlHwAg_HwDeg_f32 target_VehDyn.Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn.Per1_VehicleSpeedValid_Cnt_lgc target_VehDyn.Per1_VehicleSpeedValid_Cnt_lgc target_VehDyn.Per1_VehicleSpeed_Kph_f32 target_VehDyn.Per1_VehicleSpeed_Kph_f32 target_VehDyn.Per1_VehicleSpeed_Kph_f32 target_VehDyn.Per1_CcwEOT_HwDeg_f32.value 4931.090027 target_VehDyn.Per1_HwTorque_HwNm_f32.value 42.20000005 target_VehDyn.Per1_MotorVelCRF_MtrRadpS_f32.value 431.30005 target_VehDyn.Per1_RelHwPos_HwDeg_f32.value 431.30005 target_VehDyn.Per1_SrlHwAg_Vid_Cnt_lgc.value 4.5999999 target_VehDyn.Per1_TorqueCmdCRF_MtrNm_f32.value 4.5999999 target_VehDyn.Per1_TorqueCmdCRF_MtrNm_f32.value 4.5999999 target_VehDyn.Per1_VehicleSpeedValid_Cnt_lgc.value 4.5999999 target_VehDyn.Per1_VehicleSpeedValid_Cnt_lgc.value 1 | · · · · · · · · · · · · · · | 1 - 1 - 1 - 1 - 1 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 target_VehDyn_Per1_SrlHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_VehDyn.Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value 4931.090027 target_VehDyn_Per1_HwTorque_HwNm_f32.value 42.20000005 target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value 431.30005 target_VehDyn_Per1_RelHwPos_HwDeg_f32.value 431.30005 target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value 431.30005 target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value 4.5999999 target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value 4.5999999 target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value 4.5999999 target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value 1 | · · · · · · · - · · · · · · | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn.Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value target_VehDyn_Per1_SrlHwAgVid_Cnt_lgc.value target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value 4.5999999 target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value 1 | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value 4.5999999 target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value 1 | | | |
| target_Rte_Inst_Ap_VehDyn.Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value target_VehDyn_Per1_SrlHwAgVId_Cnt_lgc.value target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value 4.5999999 target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value 1 | | | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value -931.090027 target_VehDyn_Per1_CwEOT_HwDeg_f32.value 1258.70703 target_VehDyn_Per1_HwTorque_HwNm_f32.value 2.20000005 target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value 154.39994 target_VehDyn_Per1_RelHwPos_HwDeg_f32.value 1341.30005 target_VehDyn_Per1_SrlHwAgVId_Cnt_lgc.value 1 target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value -758.090027 target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value -4.5999999 target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value 1 | | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value 2.20000005 target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value 154.399994 target_VehDyn_Per1_RelHwPos_HwDeg_f32.value 1341.30005 target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value 1 target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value -758.090027 target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value -4.5999999 target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value 1 | | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value 154.39994 target_VehDyn_Per1_RelHwPos_HwDeg_f32.value 1341.30005 target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value 1 target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value -758.090027 target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value -4.5999999 target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value 1 | | | |
| target_VehDyn_Per1_ReiHwPos_HwDeg_f32.value 1341.30005 target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value 1 target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value -758.090027 target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value -4.5999999 target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value 1 | | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value 1 target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value -758.090027 target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value -4.5999999 target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value 1 | | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value -758.090027 target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value -4.5999999 target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value 1 | · - / | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value -4.5999999 target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value 1 | | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc.value 1 | | | |
| | | | |
| target VehDvn Per1 VehicleSpeed Kph f32.value 245.070007 | | | |
| - 0-2 - 7 - 1-mmp2-p | target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 245.070007 | |
| Name Actual Value Expected Value I | Name | Actual Value Expected Value Resu | |



| Name | Actual Value | Expected Value | Result |
|------------------------------------------------------------------|--------------|------------------------|----------|
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 2942063360 | 2942063360 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 3382212733 | 3382212733 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1341.30005 | 1341.30005 ± 0.009 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1341.30005 | 1341.30005 ± 0.009 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 2760420809 | 2760420809 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 3382212733 | 3382212733 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1341.30005 | 1341.30005 ± 0.009 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1341.30005 | 1341.30005 ± 0.009 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 2760420809 | 2760420809 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 3382212733 | 3382212733 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1341.30005 | 1341.30005 ± 0.009 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1341.30005 | 1341.30005 ± 0.009 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 | 1 | ✓ |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | ✓ |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | 1 | ✓ |
| VehDyn_MaxOffset_HwDeg_M_f32 | -82.5930176 | -82.5930023 | ~ |
| VehDyn_MinOffset_HwDeg_M_f32 | -897.75 | -897.75 | ✓ |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | -1.59865212 | -1.59865212 ± 0.000009 | ~ |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 1316564736 | 1316564736 | ✓ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 1 | 1 ± 0.004 | ~ |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | 1242.97009 | 1242.96997 ± 0.1 | ✓ |

| Т | | | | V |
|----------------------------------------------------|-------|----------------------------------------------------|-------|--------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | - |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | • |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |

| Test Step 2.86 (Repeat Count = 1) | ✓ |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|
| Name | Input Value |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| GetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 120.099998 |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 106.099998 |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 8.10000038 |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 56.0999985 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 25532 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 27401 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 2345892860 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 3174948758 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -339.980011 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000807999982 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -339.980011 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000807999982 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 10.3999996 |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 236 |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 4.0999999 |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 97.4000015 |



| Name | Input Value |
|-----------------------------------------------------------------|-----------------|
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 7034 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 39056 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 2345892860 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 3174948758 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -339.980011 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000595999998 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -339.980011 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000184000004 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 98.4000015 |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 0 |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 0 |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 12.1999998 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 13352 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 14442 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 2345892860 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 3174948758 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -339.980011 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 5.66000017e-005 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -339.980011 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000807999982 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 0 |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | -101.489998 |



| Name | Actual Value | Expected Value | Result |
|------------------------------------------------------------------|--------------|-----------------------|----------|
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 309385728 | 309385728 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 3174948758 | 3174948758 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -339.980011 | -339.980011 ± 0.0009 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -339.980011 | -339.980011 ± 0.0009 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 2345892860 | 2345892860 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 3174948758 | 3174948758 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -339.980011 | -339.980011 ± 0.0009 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -339.980011 | -339.980011 ± 0.0009 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 2345892860 | 2345892860 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 3174948758 | 3174948758 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -339.980011 | -339.980011 ± 0.0009 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -339.980011 | -339.980011 ± 0.0009 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 | 1 | ✓ |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | ✓ |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | 1 | ✓ |
| VehDyn_MaxOffset_HwDeg_M_f32 | 1236.89294 | 1236.89294 | ~ |
| VehDyn_MinOffset_HwDeg_M_f32 | -943.609985 | -943.609985 | ✓ |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 7.59373665 | 7.59373665 ± 0.000009 | ✓ |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 1050692864 | 1050692864 | ✓ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 0.25 | 0.25 ± 0.004 | ✓ |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | -1118.58997 | -1118.58997 ± 0.1 | ✓ |

| T | | | | V |
|----------------------------------------------------|-------|----------------------------------------------------|-------|--------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | - |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |

| Test Step 2.87 (Repeat Count = 1) | |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|
| Name | Input Value |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| GetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 498.100006 |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 206.100006 |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 3.0999999 |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 97.0999985 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 30404 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 30349 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 1024 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 4290967295 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 0 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000828000018 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 0 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000828000018 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 400.200012 |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 18 |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 12 |



| Name | Input Value |
|------------------------------------------------------------------------------------|-----------------------------------------------------------------------|
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 32 |
| VehDyn AutoCntrHiSpd M str.Timer1Thresh mS u16 | 2291 |
| VehDyn AutoCntrHiSpd M str.Timer2Thresh mS u16 | 58929 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 1024 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_m3_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 4290967295 |
| | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 | 0 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000615999976 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 0 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000224000003 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 498.399994 |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 166.100006 |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 20 |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 25.3999996 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 60000 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 3277 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 1024 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 4290967295 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 0 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 6.05999994e-005 |
| VehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32 | 0 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000828000018 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| | 1 |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | 897.609985 |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 |
| VehDyn_Initialize_Cnt_M_lgc | 1 |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 |
| VehDyn_MaxOffset_HwDeg_M_f32 | 813.445984 |
| VehDyn_MinOffset_HwDeg_M_f32 | -844.278015 |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 1.5 |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000410999986 |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.419999987 |
| VehDyn_SLPHwPos_HwDeg_M_f32 | -676.01001 |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 954802432 |
| k_HiSpdVDAuthority_Uls_f32 | 0 |
| k_HwTqMgnThd_HwNm_f32 | 2.0999999 |
| k_LoSpdVDAuthority_UIs_f32 | 1 |
| k_SrlHwAgVldTiThd_mS_u32 | 456 |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 52.5 |
| k TravelXCDeadband Uls f32 | 77.5400009 |
| k TravelXCHwAuthority Uls f32 | 0.124425001 |
| target DtrmnElapsedTime mS u32 ElapsedTime | 4164171008 |
| target GetSystemTime mS u32 CurrentTime | 2127166208 |
| target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedTi | |
| target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime | |
| target Rte Inst Ap VehDyn.VehDyn Per1 CcwEOT HwDeg f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 |
| target Rte Inst Ap VehDyn.VehDyn Per1 CwEOT_HwDeg_i32 | target VehDyn Per1 CwEOT HwDeg f32 |
| | target_VenDyn_Peri_CwEO1_HwDeg_t32 target_VenDyn_Peri_CwEO1_HwDeg_t32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_Uls_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc | target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph_f32 |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -881.01001 |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 1345.96301 |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | 3.7999995 |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | 88.8000031 |
| target VehDyn Per1 RelHwPos HwDeg f32.value | 0 |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 1 |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | -676.01001 |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | 7.80000019 |
| target VehDyn Per1 VehicleSpeedValid Cnt Igc.value | 1 |
| wigot Shelyn_r or 1_vonioloopecu valiu_ont_igo.value | · |



| Name | Input Value | | |
|------------------------------------------------------------------|--------------|-----------------------|----------|
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 45.4099998 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 0 | 0 | • |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 2127166208 | 2127166208 | • |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 4290967295 | 4290967295 | • |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 0 | 0 ± 0.000009 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 0 | 0 ± 0.000009 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | Ī | 1 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 1024 | 1024 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 4290967295 | 4290967295 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 0 | 0 ± 0.000009 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 0 | 0 ± 0.000009 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 1024 | 1024 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 4290967295 | 4290967295 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 0 | 0 ± 0.000009 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 0 | 0 ± 0.000009 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 | 1 | ✓ |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | 1 | ✓ |
| VehDyn_MaxOffset_HwDeg_M_f32 | 813.445984 | 813.445984 | ~ |
| VehDyn_MinOffset_HwDeg_M_f32 | -844.278015 | -844.278015 | ~ |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 1.50100636 | 1.50100636 ± 0.000009 | ~ |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 954802432 | 954802432 | ~ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 1 | 1 ± 0.004 | ✓ |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | -897.609985 | -897.609985 ± 0.1 | ~ |

| T | | | | ✓ |
|----------------------------------------------------|-------|----------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | • |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ✓ |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |

| Test Step 2.88 (Repeat Count = 1) | |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|
| Name | Innut Value |
| | Input Value |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| GetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 350.100006 |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 156.100006 |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 3.0999999 |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 52.0999985 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 21335 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 34188 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 3382212733 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 4004004656 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1259.69995 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000818 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1259.69995 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000818 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 66.5400009 |



| | (|
|-----------------------------------------------------------------------------------------|------------------------------------------------|
| Name | Input Value |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 124 |
| VehDyn AutoCntrHiSpd M str.FiltPinTrg HwNm f32 | 18.1000004 |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 86.1999969 |
| VehDyn AutoCntrHiSpd M str.Timer1Thresh mS u16 | 8366 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 51002 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 3382212733 |
| VehDyn AutoCntrHiSpd M str.Timer2 mS u32 | 4004004656 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1259.69995 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000606000016 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1259.69995 |
| VehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32 | 0.000203999996 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 350.600006 |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 156.600006 |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 3.2999995 |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 78.8000031 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 34738 |
| | 36612 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 3382212733 |
| , = | |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 4004004656 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1259.69995 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 5.8599987e-005 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1259.69995 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000818 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 0 |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | 398.059998 |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 |
| VehDyn_Initialize_Cnt_M_lgc | 0 |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 |
| VehDyn_MaxOffset_HwDeg_M_f32 | 788.486023 |
| VehDyn_MinOffset_HwDeg_M_f32 | -877.697998 |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | -7 |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000406000006 |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.335000008 |
| VehDyn_SLPHwPos_HwDeg_M_f32 | -727.309998 |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 7858 |
| k_HiSpdVDAuthority_Uls_f32 | 1 |
| k HwTqMgnThd HwNm f32 | 1.10000002 |
| k LoSpdVDAuthority Uls f32 | 0 |
| k SrlHwAgVldTiThd mS u32 | 20045 |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 56.5 |
| k TravelXCDeadband Uls f32 | 82.6900024 |
| k TravelXCHwAuthority Uls f32 | 0.118299998 |
| target DtrmnElapsedTime mS u32 ElapsedTime | 2075080192 |
| target_GetSystemTime_mS_u32_CurrentTime | 3437401088 |
| target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedT | |
| target Rte Call Ap VehDyn SystemTime GetSystemTime mS u32 CurrentTime | |
| | target VehDyn Per1 CcwEOT HwDeg f32 |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32 | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_Uls_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc | target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph_f32 |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -912.309998 |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 1291.42798 |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | 2.79999995 |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | -835.400024 |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | 1259.69995 |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 0 |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | -727.309998 |
| | |



| Name | Input Value | | |
|------------------------------------------------------------------|--------------|------------------------|----------|
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | 8.19999981 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 0 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 25.8700008 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 3382212733 | 3382212733 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 4004004656 | 4004004656 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1259.69995 | 1259.69995 ± 0.009 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1259.69995 | 1259.69995 ± 0.009 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 3437401088 | 3437401088 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 4004004656 | 4004004656 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1259.69995 | 1259.69995 ± 0.009 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1259.69995 | 1259.69995 ± 0.009 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 3437401088 | 3437401088 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 4004004656 | 4004004656 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1259.69995 | 1259.69995 ± 0.009 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1259.69995 | 1259.69995 ± 0.009 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 | 0 | ✓ |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | ✓ |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 | 0 | ✓ |
| VehDyn_MaxOffset_HwDeg_M_f32 | 1291.42798 | 1291.42798 | ~ |
| VehDyn_MinOffset_HwDeg_M_f32 | -912.309998 | -912.309998 | ✓ |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | -6.99596214 | -6.99596214 ± 0.000009 | ~ |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 7858 | 7858 | ✓ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 0.335000008 | 0.335000008 ± 0.004 | ~ |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | 532.389954 | 532.390015 ± 0.1 | ~ |

| T | | | | ✓ |
|----------------------------------------------------|-------|----------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | • |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |

| Test Step 2.89 (Repeat Count = 1) | ✓ |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|
| Name | Input Value |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| GetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 400.299988 |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 166.300003 |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 5.30000019 |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 41.2999992 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 12258 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 36416 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 3589476707 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 4211268631 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1593.90002 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000820000016 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1593.90002 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000820000016 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 |



| Name | Input Value |
|-----------------------------------------------------------------------|------------------------------------------------|
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 34.2000008 |
| | 84.1999969 |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 8.19999981 |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 96.0999985 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 3658 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 5853 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 3589476707 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 4211268631 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1593.90002 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000607999973 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1593.90002 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000207999998 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 400.5 |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 126.5 |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 5.5 |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 0 |
| VehDyn AutoCntrLoSpd M str.Timer1Thresh mS u16 | 37799 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 41632 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 3589476707 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 4211268631 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1593.90002 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_UIs_f32 | 5.90000018e-005 |
| | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1593.90002 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000820000016 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 1 |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | 497.970001 |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 |
| VehDyn_Initialize_Cnt_M_lgc | 1 |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 |
| VehDyn_MaxOffset_HwDeg_M_f32 | 793.478027 |
| VehDyn_MinOffset_HwDeg_M_f32 | -871 |
| VehDyn_PinTrqSV_M_str.SV_UIs_f32 | 7.80000019 |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000407000014 |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.351999998 |
| VehDyn_SLPHwPos_HwDeg_M_f32 | -717.049988 |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 333 |
| k_HiSpdVDAuthority_Uls_f32 | 0 |
| k HwTqMgnThd HwNm f32 | 1.20000005 |
| k LoSpdVDAuthority Uls f32 | 1 |
| k SrlHwAgVldTiThd mS u32 | 951 |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 54.0999985 |
| k TravelXCDeadband Uls f32 | 81.6600037 |
| k_TravelXCHwAuthority_Uls_f32 | 0.119525 |
| | |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 954802432 |
| target_GetSystemTime_mS_u32_CurrentTime | 3494315776 |
| target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedT | |
| target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_Uls_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc | target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph_f32 |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -906 |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 1302.33496 |
| target VehDyn Per1 HwTorque HwNm f32.value | 3 |
| wigo one yii_i or _inviolade_invitiii_loz.value | , · |



| Name | Input Value | | |
|------------------------------------------------------------------|--------------|-----------------------|----------|
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | -456.100006 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | -1593 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 1 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | -717.049988 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | -8.39999962 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 1 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 30.4099998 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 3494315776 | 3494315776 | • |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 4211268631 | 4211268631 | • |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1593.90002 | -1593.90002 ± 0.009 | • |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1593.90002 | -1593.90002 ± 0.009 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 3589476707 | 3589476707 | • |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 4211268631 | 4211268631 | • |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1593.90002 | -1593.90002 ± 0.009 | • |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1593.90002 | -1593.90002 ± 0.009 | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 3589476707 | 3589476707 | • |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 4211268631 | 4211268631 | • |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1593.90002 | -1593.90002 ± 0.009 | • |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1593.90002 | -1593.90002 ± 0.009 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 | 1 | • |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | • |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | 1 | • |
| VehDyn_MaxOffset_HwDeg_M_f32 | 793.478027 | 793.478027 | ~ |
| VehDyn_MinOffset_HwDeg_M_f32 | 687 | 687 | ~ |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 7.79798317 | 7.79798317 ± 0.000009 | ~ |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 333 | 333 | ~ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 1 | 1 ± 0.004 | ~ |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | -1600 | -1600 ± 0.1 | ~ |

| Τ | | | | ✓ |
|----------------------------------------------------|-------|----------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | • |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | • |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | • |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | • |

| Test Step 2.90 (Repeat Count = 1) | ✓ |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|
| Name | Input Value |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| GetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 100.099998 |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 186.100006 |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 14.1000004 |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 86.0999985 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 32821 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 53946 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 2967684784 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 3382212733 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -136.300003 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000777999987 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -136.300003 |



| Name | Input Value |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000777999987 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| VehDyn AutoCntrDetSpd M str.Filter2Enable Cnt lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 138.199997 |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 126.199997 |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 12 |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 52.4000015 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 32821 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 53946 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 2967684784 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 3382212733 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -136.300003 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000566000002 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 0 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000907999987 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 100.099998 |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 186.5 |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 14.1000004 |
| VehDyn AutoCntrLoSpd M str.CntrWindow HwDeg f32 | 100 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 32821 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 53946 |
| VehDyn AutoCntrLoSpd M str.Timer1 mS u32 | 2967684784 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 3382212733 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -136.300003 |
| VehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg_str.K Uls f32 | 5.0599997e-005 |
| , - , | -136.300003 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000777999987 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 1 |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | 1596.97998 |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 |
| VehDyn_Initialize_Cnt_M_lgc | 0 |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 |
| VehDyn_MaxOffset_HwDeg_M_f32 | 688.645996 |
| VehDyn_MinOffset_HwDeg_M_f32 | -1011.37799 |
| VehDyn_PinTrqSV_M_str.SV_UIs_f32 | 8.89999962 |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000386 |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.0270000007 |
| VehDyn SLPHwPos HwDeg M f32 | -932.51001 |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 1316564736 |
| k HiSpdVDAuthority UIs f32 | 0 |
| k HwTqMgnThd HwNm f32 | 1.10000002 |
| k LoSpdVDAuthority Uls f32 | 0.560000002 |
| k_SrlHwAgVldTiThd_mS_u32 | 70 |
| k SysKinRatio MtrDegpHwDeg f32 | 41.099985 |
| k TravelXCDeadband Uls f32 | 93.4100037 |
| k TravelXCHwAuthority Uls f32 | 0.0938000008 |
| , - | |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 2212175616 |
| target_GetSystemTime_mS_u32_CurrentTime | 3437401088 |
| target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_btrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime | |
| target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_Uls_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAgVld_Cnt_Igc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc | target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph_f32 |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -1037.51001 |
| gj oooioog_loz.valao | |



| Name | Input Value | | |
|------------------------------------------------------------------|--------------|-----------------------|----------|
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 1073.28796 | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | -6.01000023 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | -897.599976 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | -136.300003 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 0 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | -932.51001 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | -1.89999998 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 1 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 452.540009 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 3437401088 | 3437401088 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 3382212733 | 3382212733 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -136.300003 | -136.300003 ± 0.0009 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -136.300003 | -136.300003 ± 0.0009 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn AutoCntrDetSpd M str.Filter1Initialized Cnt Igc | 1 | 1 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_Igc | 1 | 1 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 2967684784 | 2967684784 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 3382212733 | 3382212733 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -136.300003 | -136.300003 ± 0.0009 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 0 | 0 ± 0.000009 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 2967684784 | 2967684784 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 3382212733 | 3382212733 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -136.300003 | -136.300003 ± 0.0009 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -136.300003 | -136.300003 ± 0.0009 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_MaxOffset_HwDeg_M_f32 | 1073.28796 | 1073.28796 | ~ |
| VehDyn_MinOffset_HwDeg_M_f32 | -1037.51001 | -1037.51001 | ~ |
| VehDyn_PinTrqSV_M_str.SV_UIs_f32 | 8.89422607 | 8.89422703 ± 0.000009 | ~ |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 1316564736 | 1316564736 | ~ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 1 | 1 ± 0.004 | ~ |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | -1600 | -1600 ± 0.1 | ~ |

| Τ | | | | |
|----------------------------------------------------|-------|----------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |

| Test Step 2.91 (Repeat Count = 1) | v de la companya de |
|--------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|
| Name | Input Value |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| GetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 200.300003 |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 186.100006 |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 7.0999999 |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 88.0999985 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 26195 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 22037 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 4004004656 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 54822322 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1600 |



| Norma | Innut Value |
|----------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|
| Name VabPur AutoCataDetCad Mata Bell lurDes Filld SV LlurDes atta K Llle 622 | Input Value |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 0.00823999988 1600 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.Sv_Uis_f32 | 0.000823999988 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn AutoCntrDetSpd M str.Filter1Initialized Cnt lgc | 1 |
| VehDyn AutoCntrDetSpd M str.Filter2Initialized Cnt.lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 120 |
| VehDyn AutoCntrHiSpd M str.VehSpd kph f32 | 52.099985 |
| VehDyn AutoCntrHiSpd M str.FiltPinTrg HwNm f32 | 16 |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 78.1999969 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 32821 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 53946 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 4004004656 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 54822322 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1600 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000612000003 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1600 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000216 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 200.699997 |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 146.699997 |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 7.69999981 |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 52.2000008 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 43190 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 3186 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 4004004656 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 54822322 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1600 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 5.98000006e-005 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1600 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000823999988 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 1 |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | 697.789978 |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 |
| VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 |
| | |
| VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32 | 803.461975 -857.645996 |
| VehDyn_PinTrqSV_M_str.SV_UIs_f32 | -857.045996 -5.400001 |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000409 |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.386000007 |
| VehDyn SLPHwPos HwDeg M f32 | -696.530029 |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 89763 |
| k HiSpdVDAuthority Uls f32 | 0 |
| k HwTgMgnThd HwNm f32 | 0.00120000006 |
| k_LoSpdVDAuthority_Uls_f32 | 1 |
| k_SrlHwAgVldTiThd_mS_u32 | 90 |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 96.099985 |
| k TravelXCDeadband Uls f32 | 79.5999985 |
| k_TraveIXCHwAuthority_UIs_f32 | 0.121974997 |
| target DtrmnElapsedTime mS u32 ElapsedTime | 824746752 |
| target_GetSystemTime_mS_u32_CurrentTime | 1759885568 |
| target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedT | |
| target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 |
| target_Rte_Inst_Ap_VehDyn_Per1_RelHwPos= | |



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|------------------------------------------------------------------|-----------------------------|------------------------|----------|
| Name | Input Value | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_Vehicles | Speed_Kph_f32 | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -893.530029 | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 1324.14905 | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | 3.4000001 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | 1023.04999 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | 1600 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 0 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | -696.530029 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | 5.5999999 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 1 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 36.7700005 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 1759885568 | 1759885568 | ✓ |
| VehDyn AutoCntrDetSpd M str.Timer2 mS u32 | 54822322 | 54822322 | _ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1600 | 1600 ± 0.009 | ✓ |
| VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32 | 1600 | 1600 ± 0.009 | ✓ |
| VehDyn AutoCntrDetSpd M str.Filter1Enable Cnt lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 4004004656 | 4004004656 | ✓ |
| VehDyn AutoCntrHiSpd M str.Timer2 mS u32 | 54822322 | 54822322 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1600 | 1600 ± 0.009 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1600 | 1600 ± 0.009 | ✓ |
| VehDyn AutoCntrHiSpd M str.Filter1Enable Cnt Igc | 1 | 1 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 4004004656 | 4004004656 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 54822322 | 54822322 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1600 | 1600 ± 0.009 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1600 | 1600 ± 0.009 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 | 1 | ✓ |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | 1 | ✓ |
| VehDyn_MaxOffset_HwDeg_M_f32 | 1324.14905 | 1324.14905 | ✓ |
| VehDyn_MinOffset_HwDeg_M_f32 | -893.530029 | -893.530029 | ✓ |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | -5.39637709 | -5.39637709 ± 0.000009 | ~ |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 89763 | 89763 | ✓ |
| townst Veli Dura Dard Companies Authority III 600 units | 4 | 4 + 0 004 | |

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|----------------------------------------------------|-------|----------------------------------------------------|-------|--------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |

902.210022

1 ± 0.004

902.210022 ± 0.1

| Test Step 2.92 (Repeat Count = 1) | |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|
| Name | Input Value |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| GetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 457.899994 |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 196.899994 |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 5.9000001 |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 75.9000015 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 43190 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 3186 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 4211268631 |

 $target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value$

target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value



| Name | Input Value |
|----------------------------------------------------------------------|------------------------------------------------|
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 1024 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 45.0099983 |
| VehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32 | 0.000826000003 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 45.0099983 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000826000003 |
| | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 350.399994 |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 34 |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 14.1999998 |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 96 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 40437 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 13059 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 4211268631 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 1024 |
| | 45.0099983 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000614000019 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 45.0099983 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000220000002 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 457.100006 |
| VehDyn AutoCntrLoSpd M str.VehSpd kph f32 | 156.199997 |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 13.1999998 |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 10.3000002 |
| | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 30349 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 4211268631 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 1024 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 45.0099983 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 6.02e-005 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 45.0099983 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000826000003 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_Igc | 1 |
| VehDyn AutoCntrLoSpd M str.Filter2Initialized Cnt Igc | 0 |
| , <u> </u> | 1 |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | 797.700012 |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 |
| VehDyn_Initialize_Cnt_M_lgc | 0 |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 |
| VehDyn_MaxOffset_HwDeg_M_f32 | 808.453979 |
| VehDyn_MinOffset_HwDeg_M_f32 | -850.961975 |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 7.5999999 |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000410000008 |
| VehDyn SLPHwAuth Uls M f32 | 0.402999997 |
| VehDyn_SLPHwPos_HwDeg_M_f32 | -686.27002 |
| | 2075080192 |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | |
| k_HiSpdVDAuthority_Uls_f32 | 1 |
| k_HwTqMgnThd_HwNm_f32 | 1.10000002 |
| k_LoSpdVDAuthority_Uls_f32 | 0 |
| k_SrlHwAgVldTiThd_mS_u32 | 70 |
| <_SysKinRatio_MtrDegpHwDeg_f32 | 32.2999992 |
| k_TravelXCDeadband_Uls_f32 | 78.5699997 |
| k_TravelXCHwAuthority_Uls_f32 | 0.123199999 |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 309385728 |
| target_GetSystemTime_mS_u32_CurrentTime | 1662097408 |
| target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed | |
| | |
| target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTim | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_Uls_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 |
| anget_tto_mat_rp_venbym.venbym_ren_om_twrag_riwbeg_toz | talget_valleyii_i or i_oni iwag_riwoog_loz |



| Name | Innut Value | | |
|------------------------------------------------------------------|------------------------------|-----------------------|----------|
| | Input Value | dCDE MtrNm f22 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCm | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc | target_VehDyn_Per1_VehicleSp | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSp | eea_kpn_132 | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -887.27002 | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 1335.05603 | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | 3.5999999 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | -147.600006 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | 45.0099983 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 0 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | -686.27002 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | -8 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 0 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 38.6300011 | I= | 1 |
| Name | Actual Value | Expected Value | Result |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 4211268631 | 4211268631 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 1024 | 1024 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 45.0099983 | 45.0099983 ± 0.00009 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 45.0099983 | 45.0099983 ± 0.00009 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 1662097408 | 1662097408 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 1024 | 1024 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 45.0099983 | 45.0099983 ± 0.00009 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 45.0099983 | 45.0099983 ± 0.000009 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 1662097408 | 1662097408 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 1024 | 1024 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 45.0099983 | 45.0099983 ± 0.00009 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 45.0099983 | 45.0099983 ± 0.0009 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 | 0 | ~ |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 | 0 | ~ |
| VehDyn_MaxOffset_HwDeg_M_f32 | 1335.05603 | 1335.05603 | ~ |
| VehDyn_MinOffset_HwDeg_M_f32 | -887.27002 | -887.27002 | ~ |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 7.5982585 | 7.5982585 ± 0.000009 | ~ |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 2075080192 | 2075080192 | ~ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 1 | 1 ± 0.004 | ~ |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | -752.690002 | -752.690002 ± 0.1 | ~ |

| Т | | | | V |
|----------------------------------------------------|-------|----------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ✓ |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |

| Test Step 2.93 (Repeat Count = 1) | | ✓ |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|----------|
| Name | Input Value | |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime | |
| GetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime | |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime | |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime | |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn | |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 0 | |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 498.100006 | |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 206.100006 | |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 3.0999999 | |



| | (12.10.00 |
|-----------------------------------------------------------------------|---------------------------------------------|
| Name | Input Value |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 97.099985 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 30404 |
| VehDyn AutoCntrDetSpd M str.Timer2Thresh mS u16 | 30349 |
| | 1024 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 4290967295 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 0 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000828000018 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 0 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000828000018 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 400.200012 |
| | |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 18 |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 12 |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 32 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 2291 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 58929 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 1024 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 4290967295 |
| VehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32 | 0 |
| VehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32 | 0.000615999976 |
| VehDyn AutoChtrHiSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32 | 0 |
| | l' |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000224000003 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 498.399994 |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 166.100006 |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 19.2999992 |
| VehDyn AutoCntrLoSpd M str.CntrWindow HwDeg f32 | 25.399996 |
| , - , | 60000 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 3277 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 1024 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 4290967295 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 0 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 6.05999994e-005 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 0 |
| VehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32 | 0.000828000018 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn AutoCntrLoSpd M str.Filter2Enable Cnt lgc | 0 |
| , <u> </u> | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | l' |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 1 |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | 897.609985 |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 |
| VehDyn_Initialize_Cnt_M_lgc | 1 |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 |
| VehDyn MaxOffset HwDeg M f32 | 813.445984 |
| VehDyn_MinOffset_HwDeg_M_f32 | -844.278015 |
| VehDyn_PinTrqSV_M_str.SV_UIs_f32 | 1.5 |
| | |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000410999986 |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.419999987 |
| VehDyn_SLPHwPos_HwDeg_M_f32 | -676.01001 |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 954802432 |
| k_HiSpdVDAuthority_Uls_f32 | 0 |
| k_HwTqMgnThd_HwNm_f32 | 2.0999999 |
| k LoSpdVDAuthority Uls f32 | 1 |
| k_SrlHwAgVldTiThd_mS_u32 | 456 |
| | 52.5 |
| k_SysKinRatio_MtrDegpHwDeg_f32 | |
| k_TravelXCDeadband_Uls_f32 | 77.5400009 |
| k_TraveIXCHwAuthority_UIs_f32 | 0.124425001 |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 4164171008 |
| target_GetSystemTime_mS_u32_CurrentTime | 2127166208 |
| target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedT | 123 |
| target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 | target VehDyn Per1 CcwEOT HwDeg f32 |
| target_Rte_Inst_Ap_vehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 |
| | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f32 |
| | |



| Name | Input Value | | |
|-------------------------------------------------------------------|-----------------------------------------|-----------------------|---------------------------------------|
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuth | ority_Uls_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwF | os_HwDeg_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc | target_VehDyn_Per1_SrlHwAgVld_Cr | nt_lgc | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDe | eg_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRI | F_MtrNm_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc | target_VehDyn_Per1_VehicleSpeedV | alid_Cnt_lgc | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph_f32 | | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -881.01001 | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 1345.96301 | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | 3.79999995 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | 88.8000031 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | 0 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 1 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | -676.01001 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | 7.80000019 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 1 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 45.4099998 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 0 | 0 | • |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 2127166208 | 2127166208 | • |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 4290967295 | 4290967295 | • |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 0 | 0 ± 0.000009 | • |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 0 | 0 ± 0.000009 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 1024 | 1024 | • |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 4290967295 | 4290967295 | · · · · · · · · · · · · · · · · · · · |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 0 | 0 ± 0.000009 | • |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 0 | 0 ± 0.000009 | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 1024 | 1024 | • |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 4290967295 | 4290967295 | • |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 0 | 0 ± 0.000009 | • |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 0 | 0 ± 0.000009 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | • |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 | 1 | • |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | • |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | 1 | • |
| VehDyn_MaxOffset_HwDeg_M_f32 | 813.445984 | 813.445984 | • |
| VehDyn_MinOffset_HwDeg_M_f32 | -844.278015 | -844.278015 | • |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 1.50100636 | 1.50100636 ± 0.000009 | • |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 954802432 | 954802432 | • |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 1 | 1 ± 0.004 | • |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | -897.609985 | -897.609985 ± 0.1 | • |

| T | | | | ✓ |
|----------------------------------------------------|-------|----------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | • |

| Test Step 2.94 (Repeat Count = 1) | ✓ |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|
| Name | Input Value |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| GetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 539.799988 |



| | MACIMI |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|
| Name | Input Value |
| VehDyn AutoCntrDetSpd M str.VehSpd kph f32 | 216.800003 |
| /ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 1.79999995 |
| /ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 86.8000031 |
| /ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 10412 |
| /ehDyn AutoCntrDetSpd M str.Timer2Thresh mS u16 | 3277 |
| /ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 54822322 |
| /ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 1078320779 |
| /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -275.019989 |
| /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000829999975 |
| /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.R_ofs_f32 | -275.019989 |
| | 0.000829999975 |
| /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | |
| /ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| /ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| /ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| /ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| /ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 600.200012 |
| /ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 88.4000015 |
| /ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 10.1999998 |
| /ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 52.2000008 |
| /ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 38868 |
| /ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 57944 |
| /ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 54822322 |
| /ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 1078320779 |
| /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -275.019989 |
| /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000617999991 |
| /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -275.019989 |
| /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000228000004 |
| /ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| /ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| /ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| /ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| /ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 539.099976 |
| /ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 176.100006 |
| /ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 3.099999 |
| /ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 86.099985 |
| | 16683 |
| /ehDyn_AutoCotrl oSpd_M_str.Timer1Thresh_mS_u16 | |
| /ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 22497 |
| /ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 54822322 |
| /ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 1078320779 |
| /ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -275.019989 |
| /ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 6.0999988e-005 |
| /ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -275.019989 |
| /ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000829999975 |
| /ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| /ehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| /ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| /ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| /ehDyn_ForceCenterEnabled_Cnt_M_lgc | 1 |
| /ehDyn_ForceCenterOffset_HwDeg_M_f32 | 997.52002 |
| /ehDyn_HiSpdLearnt_Cnt_M_lgc | 0 |
| /ehDyn_Initialize_Cnt_M_lgc | 1 |
| /ehDyn_LoSpdLearnt_Cnt_M_lgc | 0 |
| /ehDyn_MaxOffset_HwDeg_M_f32 | 818.437988 |
| /ehDyn MinOffset HwDeg M f32 | -837.593994 |
| /ehDyn PinTrqSV M str.SV Uls f32 | -1.60000002 |
| /ehDyn PinTrgSV M str.K Uls f32 | 0.000411999994 |
| /ehDyn_SLPHwAuth_Uls_M_f32 | 0.437000006 |
| | -665.75 |
| /ehDyn_SLPHwPos_HwDeg_M_f32 | -665.75 2728878080 |
| /ehDyn_SrlHwAgVldTimer_mS_M_u32 | |
| _HiSpdVDAuthority_Uls_f32 | 0.89999976 |
| :_HwTqMgnThd_HwNm_f32 | 3.0999999 |
| C_LoSpdVDAuthority_UIs_f32 | 0.100000001 |
| c_SrlHwAgVldTiThd_mS_u32 | 3229 |
| s_SysKinRatio_MtrDegpHwDeg_f32 | 41.0999985 |
| c_TraveIXCDeadband_Uls_f32 | 76.5100021 |
| | 0.125650004 |
| _TravelXCHwAuthority_Uls_f32 | |
| | 437658624 |
| arget_DtrmnElapsedTime_mS_u32_ElapsedTime | 437658624 4243378688 |
| arget_DtrmnElapsedTime_mS_u32_ElapsedTime arget_GetSystemTime_mS_u32_CurrentTime | 4243378688 |
| arget_DtrmnElapsedTime_mS_u32_ElapsedTime arget_GetSystemTime_mS_u32_CurrentTime arget Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 Elaps | 4243378688 edTi 54689 |
| arget_DtrmnElapsedTime_mS_u32_ElapsedTime arget_GetSystemTime_mS_u32_CurrentTime arget_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_Elaps arget_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentT | 4243378688 edTi 54689 ime 2728878080 |
| c_TraveIXCHwAuthority_UIs_f32 arget_DtrmnElapsedTime_mS_u32_ElapsedTime arget_GetSystemTime_mS_u32_CurrentTime arget_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_Elaps arget_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentT arget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 arget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | 4243378688 edTi 54689 |



| Nome | Innut Value | | |
|----------------------------------------------------------------------------------------------------------------------------|--------------------------------|----------------------------------------------|-------------|
| Name | Input Value | E MAD- 4-0 600 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCR | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_h | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessA | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessH | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc | target_VehDyn_Per1_SrlHwAgVld_ | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_Hv | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmd0 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpee | | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | target_VehDyn_Per1_VehicleSpee | :u_npii_i32 | |
| target VehDyn Per1 CwEOT HwDeg f32.value | 1356.87 | | |
| | 4 | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | -75.5400009 | | |
| | -275.019989 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | 1 | | |
| target_VehDyn_Per1_SrlHwAg.Vld_Cnt_lgc.value | -665.75 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | 3.20000005 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 0 | | |
| target VehDyn Per1 VehicleSpeed Kph f32.value | 456.869995 | | |
| | | From a start Walter | D |
| Name | Actual Value | Expected Value | Result |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 | 1 | • |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 54822322 | 54822322 | · · |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 1078320779 | 1078320779 | · · · · · · |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -275.019989 | -275.019989 ± 0.0009 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -275.019989 | -275.019989 ± 0.0009 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 0 | 0 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | | | |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 4243378688 1078320779 | 4243378688 | |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | -275.019989 | 1078320779 | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -275.019989 | -275.019989 ± 0.0009 -275.019989 ± 0.0009 | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -275.019969 | -275.019969 ± 0.0009 | |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_Igc | 1 | 1 | |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 4243378688 | 4243378688 | |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 1078320779 | 1078320779 | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -275.019989 | -275.019989 ± 0.0009 | _ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -275.019989 | -275.019989 ± 0.0009 | |
| | 0 | 0 | _ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 | 0 | |
| VehDyn Initialize Cnt M Igc | 1 | 1 | |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 | 0 | · |
| VehDyn MaxOffset HwDeg M f32 | 818.437988 | 818.437988 | |
| VehDyn_MaxOliset_HwDeg_M_I32 VehDyn_MinOffset_HwDeg_M_f32 | -599.72998 | -599.72998 | |
| VehDyn_PinTrqSV_M_str.SV_UIs_f32 | -1.59766078 | -1.59766078 ± 0.000009 | |
| VenDyn_Pin1rqSv_iM_str.Sv_0is_i32 VenDyn_SrlHwAgVldTimer_mS_M_u32 | 2728878080 | -1.59766078 ± 0.000009 | |
| target VehDyn Per1 SensorlessAuthority Uls f32.value | 1 | 1 ± 0.004 | |
| target_venbyn_rent_ocheoneoshutholity_015_102.value | 1.1 | 1 1 ± 0.00T | |

| Т | | | | ✓ |
|----------------------------------------------------|-------|----------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | ✓ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Rte Call VehDyn Per1 CP1 ChecknointReached | 1 | Rte Call VehDyn Per1 CP1 ChecknointReached | 1 | - |

| Test Step 2.95 (Repeat Count = 1) | → |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|
| Name | Input Value |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| GetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |



| Name | Input Value |
|-----------------------------------------------------------------|-----------------------------------------------------------------------|
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| /ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 0 |
| ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 580.099976 |
| ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 156.100006 |
| ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 2.0999999 |
| ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 42.0999985 |
| ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 16683 |
| ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 22497 |
| ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 109643620 |
| /ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 2138628886 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -880.02002 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000831999991 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -880.02002 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000831999991 |
| ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 200 |
| ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 76 |
| ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 2.4000001 |
| ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 10 |
| ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 53970 |
| ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 52282 |
| ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 109643620 |
| ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 2138628886 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -880.02002 |
| /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000620000006 |
| /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -880.02002 |
| /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000232000006 |
| ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| | 580.01001 |
| /ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | |
| /ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 186.199997 |
| /ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 5.01000023 |
| /ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 56.099985 |
| /ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 5235 |
| ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 0 |
| /ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 109643620 |
| /ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 2138628886 |
| ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -880.02002 |
| ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 6.14000019e-005 |
| ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -880.02002 |
| ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000831999991 |
| ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| ehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| ehDyn_ForceCenterEnabled_Cnt_M_lgc | 1 |
| ehDyn_ForceCenterOffset_HwDeg_M_f32 | 1097.43005 |
| ehDyn HiSpdLearnt Cnt M Igc | 1 |
| ehDyn Initialize Cnt M Igc | 0 |
| ehDyn LoSpdLearnt Cnt M Igc | 1 |
| ehDyn_MaxOffset_HwDeg_M_f32 | -823.429993 |
| ehDyn MinOffset HwDeg M f32 | -830.909973 |
| ehDyn_PinTrqSV_M_str.SV_Uls_f32 | -14.8000002 |
| ehDyn PinTrqSV M str.K Uls f32 | 0.00413000002 |
| enDyn_PiiTriqSv_M_str.k_ois_is2 ehDyn_SLPHwAuth_Uis_M_f32 | 0.000413000002 |
| ehDyn_SLPHwAutr_ois_iw_isz ehDyn_SLPHwPos_HwDeg_M_f32 | -655.48999 |
| | |
| ehDyn_SrlHwAgVldTimer_mS_M_u32 | 824746752 |
| _HiSpdVDAuthority_Uls_f32 | 0 |
| _HwTqMgnThd_HwNm_f32 | 4.099999 |
| _LoSpdVDAuthority_Uls_f32 | 0.600000024 |
| _SrlHwAgVldTiThd_mS_u32 | 987 |
| _SysKinRatio_MtrDegpHwDeg_f32 | 63.0999985 |
| _TravelXCDeadband_Uls_f32 | 75.4800034 |
| _TravelXCHwAuthority_Uls_f32 | 0.126874998 |
| | |
| arget_DtrmnElapsedTime_mS_u32_ElapsedTime | 3941357312 |



| Name | Input Value | | | |
|----------------------------------------------------------------------|----------------------------------------|-----------------------|----------|--|
| target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTim | e 824746752 | | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 | 2 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 | | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f3 | 2 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRad | | | |
| target Rte Inst Ap VehDyn.VehDyn Per1 RelHwPos HwDeg f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f3 | | | |
| target Rte Inst Ap VehDyn.VehDyn Per1 SensorlessAuthority Uls f32 | target VehDyn Per1 SensorlessAuthority | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_H | _ | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc | target VehDyn Per1 SrlHwAgVld Cnt lgc | -3 | | |
| target Rte Inst Ap VehDyn.VehDyn Per1 SrlHwAg HwDeg f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 | | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target VehDyn Per1 TorqueCmdCRF MtrI | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc | target_VehDyn_Per1_VehicleSpeedValid_C | _ | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph_f3 | | | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -868.48999 | <i>.</i> | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 1367.77698 | | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | 4.19999981 | | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | -900.099976 | | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | -880.02002 | | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 0 | | | |
| target VehDyn Per1 SrlHwAg HwDeg f32.value | -655.48999 | | | |
| V = V = | | | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | -5.4000001 | | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc.value | 1 | | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 45.6399994 | 1= | I | |
| Name | Actual Value | Expected Value | Result | |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 0 | 0 | ~ | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 1050692864 | 1050692864 | ~ | |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 2138628886 | 2138628886 | Y | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -880.02002 | -880.02002 ± 0.0009 | ~ | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -880.02002 | -880.02002 ± 0.0009 | ~ | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ~ | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ~ | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ~ | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ~ | |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 109643620 | 109643620 | ~ | |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 2138628886 | 2138628886 | ~ | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -880.02002 | -880.02002 ± 0.0009 | ~ | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -880.02002 | -880.02002 ± 0.0009 | ~ | |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | ~ | |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ~ | |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ~ | |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ~ | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 109643620 | 109643620 | ✓ | |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 2138628886 | 2138628886 | ✓ | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -880.02002 | -880.02002 ± 0.0009 | ✓ | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -880.02002 | -880.02002 ± 0.0009 | ✓ | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | ~ | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ~ | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ✓ | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | • | |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 | 1 | ✓ | |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | ~ | |
| VehDyn LoSpdLearnt Cnt M Igc | 1 | 1 | • | |
| VehDyn MaxOffset HwDeg M f32 | 1367.77698 | 1367.77698 | - | |
| VehDyn MinOffset HwDeg M f32 | -868.48999 | -868.48999 | • | |
| VehDyn PinTrqSV M str.SV Uls f32 | -14.7921886 | -14.7921886 ± 0.00009 | | |
| VehDyn_SrlHwAgVIdTimer_mS_M_u32 | 824746752 | 824746752 | V | |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 1 | 1 ± 0.004 | | |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | -1600 | -1600 ± 0.1 | · | |
| angot_vonzyn_i or i_oonooneooriwi oo_nwbeg_loz.value | 1000 | 1000 ± 0.1 | | |

| T | | | | ✓ |
|----------------------------------------------------|-------|----------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | • |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | • |
| Rte Call VehDyn Per1 CP1 CheckpointReached | 1 | Rte Call VehDyn Per1 CP1 CheckpointReached | 1 | • |

| Test Step 2.96 (Repeat Count = 1) | ✓ |
|--------------------------------------|--------------------------------------------|
| Name | Input Value |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |



| Name | Input Value |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|
| GetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 |
| /ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 66 |
| /ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 116 |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 10 |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 54 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 53759 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 18715 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 2553156835 |
| /ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 3174948758 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1590.80005 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.00080999998 |
| /ehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32 | 1590.80005 |
| /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000809999998 |
| /ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| /ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| /ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 56.2000008 |
| /ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 246.100006 |
| | 6.19999981 |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | |
| /ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 86.199969 |
| /ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 25532 |
| /ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 27401 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 2553156835 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 3174948758 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1590.80005 |
| /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000598000013 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1590.80005 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000188000005 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 66.4000015 |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 255 |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 12.1999998 |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 53.2999992 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 21364 |
| VehDyn AutoCntrLoSpd M str.Timer2Thresh mS u16 | 60000 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 2553156835 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 3174948758 |
| VehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32 | 1590.80005 |
| · - · · | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 5.7000011e-005 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1590.80005 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.00080999998 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| /ehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| /ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| /ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| /ehDyn_ForceCenterEnabled_Cnt_M_lgc | 0 |
| /ehDyn_ForceCenterOffset_HwDeg_M_f32 | -1.58000004 |
| /ehDyn_HiSpdLearnt_Cnt_M_lgc | 0 |
| /ehDyn_Initialize_Cnt_M_lgc | 0 |
| /ehDyn_LoSpdLearnt_Cnt_M_lgc | 0 |
| /ehDyn_MaxOffset_HwDeg_M_f32 | 768.518005 |
| /ehDyn_MinOffset_HwDeg_M_f32 | -904.434021 |
| /ehDyn_PinTrqSV_M_str.SV_Uls_f32 | 1.5 |
| /ehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000402000005 |
| /ehDyn_SLPHwAuth_Uls_M_f32 | 0.26699999 |
| /ehDyn_SLPHwPos_HwDeg_M_f32 | -768.349976 |
| /ehDyn_SrlHwAgVldTimer_mS_M_u32 | 3039943680 |
| <pre>c_HiSpdVDAuthority_UIs_f32</pre> | 1 |
| C_HISPUVDAUTIONIY_DIS_132 C_HWTqMgnThd_HwNm_f32 | 1 |
| _ , , | 0 |
| k_LoSpdVDAuthority_Uls_f32 | |
| k_SrlHwAgVldTiThd_mS_u32 | 702 |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 52 |
| k_TravelXCDeadband_Uls_f32 | 86.8099976 |
| k_TraveIXCHwAuthority_Uls_f32 | 0.113399997 |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 4243378688 |



| Name | Input Value | | |
|-----------------------------------------------------------------------------------------------------------------------|------------------------------------------|-----------------------|----------|
| target_GetSystemTime_mS_u32_CurrentTime | 2659241984 | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi | | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime | 3039943680 | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 | | |
| target Rte Inst Ap VehDyn.VehDyn Per1 CwEOT HwDeg f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target VehDyn Per1 HwTorque HwNm f32 |) | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRad | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f3 | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_U | | |
| target Rte Inst Ap VehDyn.VehDyn Per1 SensorlessHwPos HwDeg f32 | target_VehDyn_Per1_SensorlessHwPos_Hw | | |
| target Rte Inst Ap VehDyn.VehDyn Per1 SrlHwAgVld Cnt Igc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc | 0_ | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 | | |
| target Rte Inst Ap VehDyn.VehDyn Per1 TorqueCmdCRF MtrNm f32 | target VehDyn Per1 TorqueCmdCRF MtrN | lm f32 | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc | target_VehDyn_Per1_VehicleSpeedValid_Cr | _ | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph_f3 | | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -937.349976 | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 1247.80005 | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | 2 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | -897.599976 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | 1590.80005 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 0 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | -768.349976 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | 5.5999999 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 0 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 230.869995 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn AllowHiSpdAutoCntr Cnt M Igc | 1 | 1 | _ |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 2553156835 | 2553156835 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 3174948758 | 3174948758 | • |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1590.80005 | 1590.80005 ± 0.009 | - |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1590.80005 | 1590.80005 ± 0.009 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | • |
| VehDyn AutoCntrDetSpd M str.Filter1Initialized Cnt lgc | 1 | 1 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | _ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 2659241984 | 2659241984 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 3174948758 | 3174948758 | - |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1590.80005 | 1590.80005 ± 0.009 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1590.80005 | 1590.80005 ± 0.009 | - |
| VehDyn AutoCntrHiSpd M str.Filter1Enable Cnt Igc | 0 | 0 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | - |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 2659241984 | 2659241984 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 3174948758 | 3174948758 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1590.80005 | 1590.80005 ± 0.009 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1590.80005 | 1590.80005 ± 0.009 | - |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | • |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 | 0 | • |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | - |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 | 0 | ✓ |
| VehDyn_MaxOffset_HwDeg_M_f32 | 1247.80005 | 1247.80005 | - |
| VehDyn_MinOffset_HwDeg_M_f32 | -937.349976 | -937.349976 | • |
| | 1.50024426 | 1.50024426 ± 0.000009 | - |
| VehDyn PinTrgSV M str.SV Uls f32 | 1.30024420 | | |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 VehDyn_SrlHwAgVldTimer_mS_M_u32 | 3039943680 | 3039943680 | ✓ |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 VehDyn_SrlHwAgVldTimer_mS_M_u32 target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | | | • |

| Τ | | | | ✓ |
|----------------------------------------------------|-------|----------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | • |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | • |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | • |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |



| est Step 2.97 (Repeat Count = 1) | Input Value |
|-------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|
| rmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| etSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| e_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| e_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| e_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| hDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 0 |
| hDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 34.2000008 |
| hDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 126.199997 |
| hDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 12.1999998 |
| hDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 85.1999969 |
| hDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 13352 |
| nDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 14442 |
| hDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 2760420809 3382212733 |
| hDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 hDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1341.30005 |
| hDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg_str.Sv_ois_i32 | 0.000812000013 |
| hDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1341.30005 |
| hDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32 | 0.000812000013 |
| hDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| hDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| hDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| hDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| hDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 86.0999985 |
| hDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 123 |
| hDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 14.199998 |
| hDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 42.2000008 |
| hDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 12258 |
| hDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 36416 |
| hDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 2760420809 |
| hDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 3382212733 |
| hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1341.30005 |
| hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000600000028 |
| hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1341.30005 |
| hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000192000007 |
| hDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| hDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| hDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| hDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| hDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 34 |
| hDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 126.599998 |
| hDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 14.3999996 |
| hDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 86.199969 |
| hDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 33198 |
| hDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 7778 |
| hDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 2760420809 |
| hDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 3382212733 |
| hDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1341.30005 |
| hDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 hDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 5.74000005e-005 1341.30005 |
| hDyn_AutoCntrLoSpd_M_str.ReiHwPosFilt2SV_HwDeg_str.Sv_Uis_f32 | 0.000812000013 |
| hDyn_AutoCntrLoSpd_M_str.ReiHwPosFilt2SV_HwDeg_str.K_Uis_t32 hDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0.000812000013 |
| hDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_igc hDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_igc | 0 |
| hDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| hDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| hDyn_ForceCenterEnabled_Cnt_M_lgc | 1 |
| hDyn ForceCenterOffset HwDeg M f32 | 98.3300018 |
| nDyn_HiSpdLearnt_Cnt_M_lgc | 1 |
| hDyn_Initialize_Cnt_M_lgc | 1 |
| nDyn_LoSpdLearnt_Cnt_M_lgc | 1 |
| nDyn_MaxOffset_HwDeg_M_f32 | 773.51001 |
| hDyn_MinOffset_HwDeg_M_f32 | -897.75 |
| hDyn_PinTrqSV_M_str.SV_Uls_f32 | -1.60000002 |
| hDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000403000013 |
| hDyn_SLPHwAuth_Uls_M_f32 | 0.284000009 |
| hDyn_SLPHwPos_HwDeg_M_f32 | -758.090027 |
| hDyn_SrlHwAgVldTimer_mS_M_u32 | 1316564736 |
| HiSpdVDAuthority_Uls_f32 | 0 |
| HwTqMgnThd_HwNm_f32 | 1.5 |
| LoSpdVDAuthority_Uls_f32 | 1 |
| SrlHwAgVldTiThd_mS_u32 | 703 |
| | 10.1000004 |



| Name | Input Value | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| k TravelXCDeadband Uls f32 | 85.7799988 | | |
| k_TravelXCHwAuthority_Uls_f32 | 0.114624999 | | |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 1050692864 | | |
| target_GetSystemTime_mS_u32_CurrentTime | 2942063360 | | |
| $target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedT$ | 463842816 | | |
| $target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime$ | 1316564736 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRad | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f3 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_L | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_Hw | Deg_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_MtrN | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc | target_VehDyn_Per1_VehicleSpeedValid_Cr | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph_f3. | 2 | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -931.090027 | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 1258.70703 | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | 2.20000005 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | 154.399994 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | 1341.30005 | | |
| target_VehDyn_Per1_SrlHwAg_HwDg_f33_velue | -758.090027 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | -4.5999999 | | |
| target VehDyn Per1 VehicleSpeedValid Cnt Igc.value | 1 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 245.070007 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 0 | 0 | Result |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 2942063360 | 2942063360 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_m3_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 3382212733 | 3382212733 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1341.30005 | 1341.30005 ± 0.009 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1341.30005 | 1341.30005 ± 0.009 | - |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | - |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | - |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | - |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | - |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | | | |
| | 2760420809 | 2760420809 | V |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 2760420809 3382212733 | 2760420809 3382212733 | |
| | | | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 3382212733 | 3382212733 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 3382212733 1341.30005 | 3382212733 1341.30005 ± 0.009 | 7 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 3382212733 1341.30005 1341.30005 | 3382212733 1341.30005 ± 0.009 1341.30005 ± 0.009 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 3382212733 1341.30005 1341.30005 0 | 3382212733 1341.30005 ± 0.009 1341.30005 ± 0.009 0 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 3382212733 1341.30005 1341.30005 0 | 3382212733 1341.30005 ± 0.009 1341.30005 ± 0.009 0 | |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Enitele_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 3382212733 1341.30005 1341.30005 0 1 | 3382212733 1341.30005 ± 0.009 1341.30005 ± 0.009 0 1 | |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFitt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFitt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 3382212733 1341.30005 1341.30005 0 1 | 3382212733 1341.30005 ± 0.009 1341.30005 ± 0.009 0 1 | |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFitt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFitt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 3382212733 1341.30005 1341.30005 0 1 1 1 0 2760420809 | 3382212733 1341.30005 ± 0.009 1341.30005 ± 0.009 0 1 1 0 2760420809 | |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFitt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFitt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 3382212733 1341.30005 1341.30005 0 1 1 0 2760420809 3382212733 | 3382212733 1341.30005 ± 0.009 1341.30005 ± 0.009 0 1 1 0 2760420809 3382212733 | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFitt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFitt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 3382212733 1341.30005 1341.30005 0 1 1 0 2760420809 3382212733 1341.30005 | 3382212733 1341.30005 ± 0.009 1341.30005 ± 0.009 0 1 1 0 2760420809 3382212733 1341.30005 ± 0.009 | |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFitt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFitt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 3382212733 1341.30005 1341.30005 0 1 1 0 2760420809 3382212733 1341.30005 | 3382212733 1341.30005 ± 0.009 1341.30005 ± 0.009 0 1 1 0 2760420809 3382212733 1341.30005 ± 0.009 1341.30005 ± 0.009 | |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFitt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFitt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 3382212733 1341.30005 0 1 1 0 2760420809 3382212733 1341.30005 1 0 0 | 3382212733 1341.30005 ± 0.009 1341.30005 ± 0.009 0 1 1 0 2760420809 3382212733 1341.30005 ± 0.009 1 0 0 | |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFitt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFitt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFitt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFitt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 3382212733 1341.30005 1341.30005 0 1 1 0 2760420809 3382212733 1341.30005 1341.30005 1 0 | 3382212733 1341.30005 ± 0.009 1341.30005 ± 0.009 0 1 1 0 2760420809 3382212733 1341.30005 ± 0.009 1 0 0 0 | |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFitt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFitt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFitt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFitt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc | 3382212733 1341.30005 0 1 1 0 2760420809 3382212733 1341.30005 1 0 0 0 | 3382212733 1341.30005 ± 0.009 1341.30005 ± 0.009 0 1 1 0 2760420809 3382212733 1341.30005 ± 0.009 1 0 0 0 1 | |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFitt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFitt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFitt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFitt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc | 3382212733 1341.30005 1341.30005 0 1 1 0 2760420809 3382212733 1341.30005 1 0 0 0 1 1 1 | 3382212733 1341.30005 ± 0.009 1341.30005 ± 0.009 0 1 1 0 2760420809 3382212733 1341.30005 ± 0.009 1 0 0 0 1 1 1 | |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_IiSpdLearnt_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc | 3382212733 1341.30005 1341.30005 0 1 1 0 2760420809 3382212733 1341.30005 1 0 0 0 1 1 1 1 1 1 | 3382212733 1341.30005 ± 0.009 1341.30005 ± 0.009 0 1 1 0 2760420809 3382212733 1341.30005 ± 0.009 1 0 0 1 1 1 1 1 1 1 | |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32 | 3382212733 1341.30005 1341.30005 0 1 1 1 0 2760420809 3382212733 1341.30005 1 1 0 0 0 1 1 1 1 1 1 -82.5930176 | 3382212733 1341.30005 ± 0.009 1341.30005 ± 0.009 0 1 1 0 2760420809 3382212733 1341.30005 ± 0.009 1 0 0 0 1 1 1 1 1 1 1 82.5930023 | |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Fiiter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Fiiter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Fiiter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Fiiter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFiit1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFiit2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Fiiter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Fiiter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Fiiter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Fiiter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Fiiter2Initialized_Cnt_lgc VehDyn_IspdLearnt_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32 | 3382212733 1341.30005 1341.30005 0 1 1 1 0 2760420809 3382212733 1341.30005 1341.30005 1 0 0 0 1 1 1 1 -82.5930176 -897.75 | 3382212733 1341.30005 ± 0.009 1341.30005 ± 0.009 0 1 1 1 0 2760420809 3382212733 1341.30005 ± 0.009 1 1 0 0 0 1 1 1 1 1 1-82.5930023 -897.75 | |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Fiiter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Fiiter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Fiiter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Fiiter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFiit1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFiit2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFiit2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Fiiter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Fiiter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Fiiter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Fiiter2Initialized_Cnt_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 3382212733 1341.30005 1341.30005 0 1 1 1 0 2760420809 3382212733 1341.30005 1 341.30005 1 1 0 0 0 1 1 1 1 -82.5930176 -897.75 -1.59865212 | 3382212733 1341.30005 ± 0.009 1341.30005 ± 0.009 0 1 1 1 0 2760420809 3382212733 1341.30005 ± 0.009 1 341.30005 ± 0.009 1 1 0 0 0 1 1 1 1 -82.5930023 -897.75 -1.59865212 ± 0.000009 | |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Fiiter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Fiiter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Fiiter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Fiiter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFiit1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFiit2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Fiiter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Fiiter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Fiiter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Fiiter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Fiiter2Initialized_Cnt_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32 VehDyn_SrlHwAgVldTimer_mS_M_u32 | 3382212733 1341.30005 1341.30005 0 1 1 1 0 2760420809 3382212733 1341.30005 1341.30005 1 0 0 0 1 1 1 1 -82.5930176 -897.75 -1.59865212 1316564736 | 3382212733 1341.30005 ± 0.009 1341.30005 ± 0.009 0 1 1 1 0 2760420809 3382212733 1341.30005 ± 0.009 1 1 0 0 0 1 1 1 1 -82.5930023 -897.75 -1.59865212 ± 0.000009 1316564736 | |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Fiiter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Fiiter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Fiiter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Fiiter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFiit1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFiit2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFiit2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Fiiter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Fiiter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Fiiter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Fiiter2Initialized_Cnt_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 3382212733 1341.30005 1341.30005 0 1 1 1 0 2760420809 3382212733 1341.30005 1 341.30005 1 1 0 0 0 1 1 1 1 -82.5930176 -897.75 -1.59865212 | 3382212733 1341.30005 ± 0.009 1341.30005 ± 0.009 0 1 1 1 0 2760420809 3382212733 1341.30005 ± 0.009 1 341.30005 ± 0.009 1 1 0 0 0 1 1 1 1 -82.5930023 -897.75 -1.59865212 ± 0.000009 | |

| Τ | | | | ✓ |
|----------------------------------------------------|-------|----------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |



| est Step 2.98 (Repeat Count = 1) | Input Value |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|
| htmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| SetSystemTime mS u32(CurrentTime) | target GetSystemTime mS u32 CurrentTime |
| tte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedTime |
| tte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target Rte Call Ap VehDyn SystemTime GetSystemTime mS u32 CurrentTime |
| tte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 0 |
| ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 0 |
| /ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 0 |
| ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 0 |
| /ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 0 |
| ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 0 |
| /ehDyn AutoCntrDetSpd M str.Timer2Thresh mS u16 | 0 |
| /ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 0 |
| /ehDyn AutoCntrDetSpd M str.Timer2 mS u32 | 0 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1600 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 2.51327106e-006 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1600 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 2.51327106e-006 |
| ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 0 |
| ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 0 |
| ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 0 |
| ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 0 |
| ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 0 |
| ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 0 |
| ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 0 |
| ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 0 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1600 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 2.51327106e-006 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1600 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 2.51327106e-006 |
| ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 0 |
| ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 0 |
| ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 0 |
| ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 0 |
| ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 0 |
| ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 0 |
| ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 0 |
| ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 0 |
| ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1600 |
| ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 2.51327106e-006 |
| ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1600 |
| ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 2.51327106e-006 |
| ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| ehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| ehDyn_ForceCenterEnabled_Cnt_M_lgc | 0 |
| ehDyn_ForceCenterOffset_HwDeg_M_f32 | -1600 |
| ehDyn_HiSpdLearnt_Cnt_M_lgc | 0 |
| ehDyn_Initialize_Cnt_M_lgc | 0 |
| ehDyn_LoSpdLearnt_Cnt_M_lgc | 0 |
| /ehDyn_MaxOffset_HwDeg_M_f32 | -2840 |
| ehDyn_MinOffset_HwDeg_M_f32 | -1440.10999 |
| ehDyn_PinTrqSV_M_str.SV_UIs_f32 | -18.7999992 |
| ehDyn_PinTrqSV_M_str.K_Uls_f32 | 2.51327106e-006 |
| ehDyn_SLPHwAuth_Uls_M_f32 | 0 |
| | -1600 |
| ehDyn_SLPHwPos_HwDeg_M_f32 | |
| ehDyn_SrlHwAgVldTimer_mS_M_u32 | 0 |
| ehDyn_SrlHwAgVldTimer_mS_M_u32 _HiSpdVDAuthority_Uls_f32 | 0 |
| ehDyn_SrlHwAgVldTimer_mS_M_u32 | |



| | | | TALCITATO |
|--------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|-----------------------|-----------|
| Name | Input Value | | |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 1 | | |
| k_TravelXCDeadband_Uls_f32 | 0 | | |
| k_TravelXCHwAuthority_Uls_f32 | 0 | | |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 0 | | |
| target_GetSystemTime_mS_u32_CurrentTime | 0 | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi | | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime | | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 target_VehDyn_Per1_CwEOT_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRad | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f3. | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_L | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_Hw | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAgVld_Cnt_lgc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc | - 0 | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_MtrN | m_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc | target_VehDyn_Per1_VehicleSpeedValid_Cr | nt_lgc | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph_f3. | 2 | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -1440.10999 | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 360 | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | -10 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | -1118 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | -1600 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 0 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | -1600 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | -8.80000019 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 0 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 0 | I _ | |
| Name Val Dura Allevel Li Cord Auto Corto Corto Molare | Actual Value | Expected Value | Result |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 0 | 0 | • |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 0 | 0 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | -1600 | -1600 ± 0.009 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1600 | -1600 ± 0.009 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | · |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | · |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_Igc | 0 | 0 | |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 0 | 0 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 0 | 0 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1600 | -1600 ± 0.009 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1600 | -1600 ± 0.009 | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1600 | -1600 ± 0.009 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1600 | -1600 ± 0.009 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 | 0 | · · |
| VehDyn_Initialize_Cnt_M_lgc | 0 | 0 | |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 360 | 360 | |
| VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32 | -1440.10999 | -1440.10999 | |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | -18.7999992 | -18.7999992 ± 0.00009 | |
| VehDyn SrlHwAgVldTimer mS M u32 | 0 | 0 | |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 0 | 0 ± 0.004 | |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | -1600 | -1600 ± 0.1 | ✓ |
| | | | |

| Τ | | | | ✓ |
|----------------------------------------------------|-------|----------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |



| est Step 2.99 (Repeat Count = 1) | Input Value |
|-------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| ame | Input Value |
| rmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| e_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_GetSystemTime_mS_u32_CurrentTime target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| e Call Ap VehDyn SystemTime GetSystemTime mS u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_BthiniciapsedTime_mS_u32_CurrentTime target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| e_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| hDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 |
| hDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 700 |
| hDyn AutoCntrDetSpd M str.VehSpd kph f32 | 255 |
| hDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 20 |
| hDyn AutoCntrDetSpd M str.CntrWindow HwDeg f32 | 100 |
| hDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 60000 |
| hDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 60000 |
| hDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 4294967295 |
| hDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 4294967295 |
| hDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1600 |
| hDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.00125584786 |
| hDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1600 |
| hDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.00125584786 |
| hDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| hDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| hDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| hDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| hDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 700 |
| hDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 255 |
| hDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 20 |
| hDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 100 |
| hDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 60000 |
| hDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 60000 |
| hDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 4294967295 |
| hDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 4294967295 |
| hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1600 |
| hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.00125584786 |
| hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1600 |
| hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.00125584786 |
| hDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_Igc | 1 |
| hDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc hDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| hDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| hDyn_AutoCntr1ispd_M_str.MtrVel_MtrRadpS_f32 | 700 |
| hDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 255 |
| hDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 20 |
| hDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 100 |
| hDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 60000 |
| hDyn AutoCntrLoSpd M str.Timer2Thresh mS u16 | 60000 |
| hDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 4294967295 |
| hDyn AutoCntrLoSpd M str.Timer2 mS u32 | 4294967295 |
| hDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1600 |
| hDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.00125584786 |
| hDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1600 |
| hDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.00125584786 |
| hDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| hDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| hDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| hDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| nDyn_ForceCenterEnabled_Cnt_M_lgc | 1 |
| hDyn_ForceCenterOffset_HwDeg_M_f32 | 1600 |
| hDyn_HiSpdLearnt_Cnt_M_lgc | 1 |
| hDyn_Initialize_Cnt_M_lgc | 1 |
| hDyn_LoSpdLearnt_Cnt_M_lgc | 1 |
| hDyn_MaxOffset_HwDeg_M_f32 | 1440.10999 |
| hDyn_MinOffset_HwDeg_M_f32 | 2840 |
| hDyn_PinTrqSV_M_str.SV_Uls_f32 | 18.7999992 |
| hDyn_PinTrqSV_M_str.K_Uls_f32 | 0.00125584786 |
| hDyn_SLPHwAuth_Uls_M_f32 | 1 |
| hDyn_SLPHwPos_HwDeg_M_f32 | 1600 |
| hDyn_SrlHwAgVldTimer_mS_M_u32 | 4294967295 |
| LICO - IV/D A - Ab LIL 100 | 1 |
| HiSpdVDAuthority_Uls_f32 | |



| Name | Input Value | | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|--------|
| k SrlHwAgVldTiThd mS u32 | 100000 | | |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 100 | | |
| k_TravelXCDeadband_UIs_f32 | 100 | | |
| k_TraveIXCHwAuthority_Uls_f32 | 1 | | |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 4294967295 | | |
| target GetSystemTime mS u32 CurrentTime | 4294967295 | | |
| target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedT | | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime | | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 | | |
| target Rte Inst Ap VehDyn.VehDyn Per1 CwEOT HwDeg f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 | | |
| target Rte Inst Ap VehDyn.VehDyn Per1 HwTorque HwNm f32 | target VehDyn Per1 HwTorque HwNm f3 | 2 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRac | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f3 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_U | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target VehDyn Per1 SensorlessHwPos Hv | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc | - 3 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_MtrN | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc | target_VehDyn_Per1_VehicleSpeedValid_C | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph_f3 | | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -360 | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 1440.10999 | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | 10 | | |
| target VehDyn Per1 MotorVelCRF MtrRadpS f32.value | 1118 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | 1600 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 1 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | 1600 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | 8.80000019 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 1 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 511 | | |
| Name | Actual Value | Expected Value | Resul |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 | 1 | 1.000. |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 4294967295 | 4294967295 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 4294967295 | 4294967295 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1600 | 1600 ± 0.009 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1600 | 1600 ± 0.009 | , |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | • |
| VehDyn AutoCntrDetSpd M str.Filter2Enable Cnt lgc | 1 | 1 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | , |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 4294967295 | 4294967295 | |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 4294967295 | 4294967295 | |
| VehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32 | 1600 | 1600 ± 0.009 | |
| VehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32 | 1600 | 1600 ± 0.009 | |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | |
| VehDyn AutoCntrHiSpd M str.Filter2Initialized Cnt Igc | 1 | 1 | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 4294967295 | 4294967295 | |
| | 4294967295 4294967295 | 4294967295 4294967295 | |
| VehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDea str.SV Uls f32 | | | • |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 4294967295 | 4294967295 1600 ± 0.009 | • |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 4294967295 1600 | 4294967295 | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 4294967295 1600 1600 | 4294967295 1600 ± 0.009 1600 ± 0.009 | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 4294967295 1600 1600 | 4294967295 1600 ± 0.009 1600 ± 0.009 | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 4294967295 1600 1600 1 | 4294967295 1600 ± 0.009 1600 ± 0.009 1 | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 4294967295 1600 1600 1 1 | 4294967295 1600 ± 0.009 1600 ± 0.009 1 | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc | 4294967295 1600 1600 1 1 1 1 | 4294967295 1600 ± 0.009 1600 ± 0.009 1 1 1 | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc | 4294967295 1600 1600 1 1 1 1 1 | 4294967295 1600 ± 0.009 1600 ± 0.009 1 1 1 1 | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc | 4294967295 1600 1600 1 1 1 1 1 1 | 4294967295 1600 ± 0.009 1600 ± 0.009 1 1 1 1 1 | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32 | 4294967295 1600 1600 1 1 1 1 1 1 1 1 1 1-159.890015 | 4294967295 1600 ± 0.009 1600 ± 0.009 1 1 1 1 1 1 1 1 1 1-159.889999 | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32 | 4294967295 1600 1600 1 1 1 1 1 1 1 1 1 1-159.890015 2840 | 4294967295 1600 ± 0.009 1600 ± 0.009 1 1 1 1 1 1 1 1 1 1-159.889999 2840 | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32 VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 4294967295 1600 1600 1 1 1 1 1 1 1 1 1-159.890015 2840 18.7890587 | 4294967295 1600 ± 0.009 1600 ± 0.009 1 1 1 1 1 1 1 1 1 1 1-159.889999 2840 18.7890587 ± 0.00009 | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32 | 4294967295 1600 1600 1 1 1 1 1 1 1 1 1 1-159.890015 2840 | 4294967295 1600 ± 0.009 1600 ± 0.009 1 1 1 1 1 1 1 1 1 1-159.889999 2840 | |



| T | | | | V |
|----------------------------------------------------|-------|----------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ✓ |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |

| lame | Input Value |
|---------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| trmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| etSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| te_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTim |
| te_Call_Ap_VehDyn_SystemTime_Dthmic_lapsedTime_in3_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_BttffficapsedTime_inS_u32_CurrentTime target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| te_Inst_Ap_VehDyn | |
| | target_Rte_Inst_Ap_VehDyn |
| ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | |
| ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 498.100006 |
| ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 206.100006 |
| ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 3.099999 |
| ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 97.099985 |
| ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 30404 |
| ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 30349 |
| ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 1024 |
| ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 4290967295 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 0 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000828000018 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 0 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000828000018 |
| ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 400.200012 |
| ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 18 |
| ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 12 |
| ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 32 |
| ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 2291 |
| ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 58929 |
| ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 1024 |
| ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 4290967295 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 0 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000615999976 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 0 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000224000003 |
| ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 498.399994 |
| ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 166.100006 |
| ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 19.2999992 |
| ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 25.3999996 |
| ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 60000 |
| ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 3277 |
| ehDyn AutoCntrLoSpd M str.Timer1 mS u32 | 1024 |
| ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 4290967295 |
| ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 0 |
| ehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32 | 6.05999994e-005 |
| ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 0 |
| ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000828000018 |
| ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| ehDyn_AutoCntrLoSpd_M_str.Filter1Ehable_Cnt_lgc | 0 |
| | 0 |
| ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| ehDyn_ForceCenterEnabled_Cnt_M_lgc | |
| ehDyn_ForceCenterOffset_HwDeg_M_f32 | 897.609985 |
| ehDyn_HiSpdLearnt_Cnt_M_lgc | 1 |
| ehDyn_Initialize_Cnt_M_lgc | 1 |
| ehDyn LoSpdLearnt Cnt M Igc | 1 |



| | | | -10-10 |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|-------------------------------------------------------------------|----------|
| Name | Input Value | | |
| VehDyn_MinOffset_HwDeg_M_f32 | -844.278015 | | |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 1.5 | | |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000410999986 | | |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.419999987 | | |
| VehDyn_SLPHwPos_HwDeg_M_f32 | -676.01001 | | |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 k HiSpdVDAuthority Uls f32 | 954802432 0 | | |
| k_HwTqMgnThd_HwNm_f32 | 2.0999999 | | |
| k LoSpdVDAuthority Uls f32 | 1 | | |
| k SrlHwAgVldTiThd mS u32 | 456 | | |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 52.5 | | |
| k_TravelXCDeadband_Uls_f32 | 77.5400009 | | |
| k_TraveIXCHwAuthority_UIs_f32 | 0.124425001 | | |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 4164171008 | | |
| target_GetSystemTime_mS_u32_CurrentTime | 2127166208 | | |
| target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedT | | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime | | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 target_VehDyn_Per1_HwTorque_HwNm_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | 0 - 7 | | |
| target_Rte_Inst_Ap_venDyn.VenDyn_Per1_MotorvetCRP_MitRadpS_i32 target_Rte_Inst_Ap_venDyn.VenDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRad target_VehDyn_Per1_RelHwPos_HwDeg_f3 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_U | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target VehDyn Per1 SensorlessHwPos Hv | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc | - 5 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SriHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_MtrN | lm_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc | target_VehDyn_Per1_VehicleSpeedValid_C | nt_lgc | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph_f3 | 2 | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -881.01001 | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 1345.96301 | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | 3.7999995 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | 88.8000031 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 0 1 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | -676.01001 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | 7.80000019 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 1 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 45.4099998 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 2127166208 | 2127166208 | • |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 4290967295 | 4290967295 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 0 | 0 ± 0.000009 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 0 | 0 ± 0.000009 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | |
| VehDyn AutoCntrHiSpd M str.Timer1 mS u32 | 1024 | 1024 | |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 4290967295 | 4290967295 | _ |
| VehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32 | 0 | 0 ± 0.000009 | • |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 0 | 0 ± 0.000009 | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 1024 | 1024 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 4290967295 | 4290967295 | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 | 0 | 0 ± 0.000009 | • |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 0 | 0 ± 0.000009 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 0 | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | • | | |
| | 1 | 1 | |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 | 1 | • |
| | | | ~ |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 | 1 | |
| VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | - |
| VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32 | 1 1 1 | 1 1 1 | 0 |
| VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32 VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 1 1 1 813.445984 -844.278015 1.50100636 | 1 1 1 813.445984 -844.278015 1.50100636 ± 0.000009 | Š |
| VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32 | 1 1 1 813.445984 -844.278015 | 1 1 1 813.445984 -844.278015 | |



| Name | Actual Value | Expected Value | Result |
|----------------------------------------------------|--------------|-------------------|----------|
| target VehDyn Per1 SensorlessHwPos HwDeg f32.value | -897.609985 | -897.609985 ± 0.1 | ✓ |

| T | | | | V |
|----------------------------------------------------|-------|----------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | • |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | • |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | • |

| ame | Input Value |
|------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| trmnElapsedTime_mS_u32(ElapsedTime) | target DtrmnElapsedTime mS u32 ElapsedTime |
| | target_Dtriniciapsed fine_ins_usz_Elapsed fine target_GetSystemTime_mS_usz_CurrentTime |
| etSystemTime_mS_u32(CurrentTime) te Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| te_Call_Ap_VehDyn_SystemTime_BttffficapsedTime_mS_u32(CurrentTime) te_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_Bttfffine_mS_u32_CurrentTime target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| | |
| te_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn 1 |
| ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 62.5099983 |
| ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | |
| ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 186.5 |
| ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 7.5 |
| ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 88.5 |
| ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 26195 |
| ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 22037 |
| ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 2138628886 |
| ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 3382212733 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -880.02002 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000844000024 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -880.02002 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000844000024 |
| ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 662.200012 |
| ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 136.399994 |
| ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 14 |
| ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 96.1999969 |
| ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 21364 |
| ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 52716 |
| ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 2138628886 |
| ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 3382212733 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -880.02002 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000631999981 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -880.02002 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000255999999 |
| ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 44.5999985 |
| ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 246.100006 |
| ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 2.5999999 |
| ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 41.0999985 |
| ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 7034 |
| ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 39056 |
| ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 2138628886 |
| ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 3382212733 |
| ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 448.5 |
| ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 6.37999983e-005 |
| ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -880.02002 |
| ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000844000024 |
| ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| ehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| ehDyn_ForceCenterEnabled_Cnt_M_lgc | 1 |
| ehDyn_ForceCenterOffset_HwDeg_M_f32 | -1500.22998 |
| ehDyn_HiSpdLearnt_Cnt_M_lgc | 1 |
| ehDyn_Initialize_Cnt_M_lgc | 1 |



| Name | Input Value | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|---------------------------------------|----------|
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | | |
| VehDyn_MaxOffset_HwDeg_M_f32 | 853.382019 | | |
| VehDyn_MinOffset_HwDeg_M_f32 | -790.80603 | | |
| VehDyn_PinTrqSV_M_str.SV_UIs_f32 | 8.89999962 | | |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000418999989 | | |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.555999994 | | |
| VehDyn_SLPHwPos_HwDeg_M_f32 | -593.929993 | | |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 1736795392 | | |
| k_HiSpdVDAuthority_Uls_f32 k_HwTqMgnThd_HwNm_f32 | 0.119999997 0.119999997 | | |
| k LoSpdVDAuthority UIs f32 | 0.800000012 | | |
| k SrlHwAgVldTiThd mS u32 | 45 | | |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 12.1000004 | | |
| k_TravelXCDeadband_Uls_f32 | 69.3000031 | | |
| k_TravelXCHwAuthority_Uls_f32 | 0.134224996 | | |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 2430672128 | | |
| target_GetSystemTime_mS_u32_CurrentTime | 824746752 | | |
| $target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_Elapsed$ | 2728878080 | | |
| $target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime$ | 1736795392 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f32 | 2 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRad | pS_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f3 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_U | Jls_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_Hv | /Deg_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_MtrN | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc | target_VehDyn_Per1_VehicleSpeedValid_Ci | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph_f3 | 2 | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -830.929993 | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 1433.21899 | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | 5.4000001 753 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | -880.02002 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 1 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | -593.929993 | | |
| target VehDyn Per1 TorqueCmdCRF MtrNm f32.value | 1.29999995 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 1 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 369.75 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn AllowHiSpdAutoCntr Cnt M Igc | 1 | 1 | - |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 2138628886 | 2138628886 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 3382212733 | 3382212733 | - |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -880.02002 | -880.02002 ± 0.0009 | • |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -880.02002 | -880.02002 ± 0.0009 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | - |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 824746752 | 824746752 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 3382212733 | 3382212733 | <u> </u> |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -880.02002 | -880.02002 ± 0.0009 | • |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -880.02002 | -880.02002 ± 0.0009 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | → |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | <u> </u> |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 2138628886 | 2138628886 | • |
| VehDyn_AutoCottrLoSpd_M_str.Timer2_mS_u32 | 3382212733 | 3382212733 | - |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDog_str.SV_Uls_f32 | -880.02002 | 448.5 ± 0.0009 -880.02002 ± 0.0009 | - J |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_loc | -880.02002 1 | -880.02002 ± 0.0009 | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | - V |
| | 0 | 0 | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 | 1 | |
| voneyn_nopacoanic_onc_ivi_igo | ' | | |
| VehDvn Initialize Cnt M lgc | 1 | 1 | |
| VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | 1 | |
| VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn MaxOffset HwDeg M f32 | | | |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | 1 | |



| Name | Actual Value | Expected Value | Result |
|------------------------------------------------------|--------------|------------------|----------|
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 1736795392 | 1736795392 | ~ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 1 | 1 ± 0.004 | ~ |
| target VehDyn Per1 SensorlessHwPos HwDeg f32.value | 620.209961 | 620.210022 ± 0.1 | ✓ |

| T ✓ | | | | |
|----------------------------------------------------|-------|----------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |

| Fest Step 2.102 (Repeat Count = 1) | Innut Value |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|
| Name | Input Value |
| OtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| GetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| tte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| tte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| tte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 |
| ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 662.400024 |
| ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 196.399994 |
| /ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 5.400001 |
| ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 75.4000015 |
| ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 43190 |
| ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 3186 |
| ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 2345892860 |
| ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 3589476707 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1454.77002 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000845999981 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1454.77002 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000845999981 |
| ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 124.199997 |
| ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 146 |
| ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 16.3999996 |
| ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 32 |
| ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 33198 |
| ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 7778 |
| ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 2345892860 |
| ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 3589476707 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1454.77002 |
| /ehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32 | 0.000633999996 |
| /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1454.77002 |
| ehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32 | 0.000260000001 |
| ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 96.6999969 |
| ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 42.5999985 |
| ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 4.6999981 |
| ehDyn AutoCntrLoSpd M str.CntrWindow HwDeg f32 | 63.5999985 |
| ehDyn AutoCntrLoSpd M str.Timer1Thresh mS u16 | 25532 |
| ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 27401 |
| ehDyn AutoCntrLoSpd M str.Timer1 mS u32 | 2345892860 |
| ehDyn AutoCntrLoSpd M str.Timer2 mS u32 | 3589476707 |
| ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -157.490005 |
| ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 6.42000014e-005 |
| ehDyn_AutoCntrLoSpd_M_str.ReihwFosFilt2SV_hwDeg_str.X_uis_i32 | -1454.77002 |
| , | 0.000845999981 |
| ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | |
| ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| ehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_Igc | 1 |
| ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| ehDyn_ForceCenterEnabled_Cnt_M_lgc | 0 |
| ehDyn ForceCenterOffset HwDeg M f32 | -1400.31995 |



| | | (| 0-10 |
|---------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|--------------------------------------------|--------|
| Name | Input Value | | |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 | | |
| VehDyn_Initialize_Cnt_M_lgc | 1 | | |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 | | |
| VehDyn_MaxOffset_HwDeg_M_f32 | 858.374023 | | |
| VehDyn_MinOffset_HwDeg_M_f32 VehDyn_PinTrqSV_M_str.SV_UIs_f32 | -784 13.8999996 | | |
| VehDyn PinTrqSV M str.K Uls f32 | 0.000419999997 | | |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.573000014 | | |
| VehDyn_SLPHwPos_HwDeg_M_f32 | -583.669983 | | |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 3437401088 | | |
| k_HiSpdVDAuthority_Uls_f32 | 1 | | |
| k_HwTqMgnThd_HwNm_f32 | 5.44999981 | | |
| k_LoSpdVDAuthority_Uls_f32 | 0.5 | | |
| k_SrlHwAgVldTiThd_mS_u32 | 65 | | |
| k_SysKinRatio_MtrDegpHwDeg_f32 k_TravelXCDeadband_Uls_f32 | 53.5 68.2699966 | | |
| k_TraveIXCHwAuthority_Uls_f32 | 0.135450006 | | |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 2242866176 | | |
| target_GetSystemTime_mS_u32_CurrentTime | 309385728 | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedT | 824746752 | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime | 3437401088 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRad target_VehDyn_Per1_RelHwPos_HwDeg_f3 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_L | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_Hw | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAgVld_Cnt_lgc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_MtrN | lm_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc | target_VehDyn_Per1_VehicleSpeedValid_Cr | nt_lgc | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph_f3 | 2 | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -824 | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 1427.65002 5.5999999 | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | 159.410004 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | -1454.77002 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 1 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | -583.669983 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | 5.5999999 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 0 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 156.960007 | 1 | |
| Name | Actual Value | Expected Value | Result |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 | 1 | • |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 2345892860 3589476707 | 2345892860 3589476707 | J |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1454.77002 | -1454.77002 ± 0.009 | |
| VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32 | -1454.77002 | -1454.77002 ± 0.009 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | - |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | - |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 309385728 | 309385728 | _ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 3589476707 | 3589476707 | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1454.77002 -1454.77002 | -1454.77002 ± 0.009 -1454.77002 ± 0.009 | J |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | - |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | - |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 309385728 | 309385728 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 3589476707 | 3589476707 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -157.490005 | -157.490005 ± 0.0009 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1454.77002 | -1454.77002 ± 0.009 | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 1 | 1 | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 | 0 | - |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | - |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 | 0 | ~ |
| VehDyn_MaxOffset_HwDeg_M_f32 | 858.374023 | 858.374023 | |
| | | | |



| Name | Actual Value | Expected Value | Result |
|------------------------------------------------------|--------------|----------------------|--------|
| VehDyn_MinOffset_HwDeg_M_f32 | 630.77002 | 630.77002 | ✓ |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 13.8965578 | 13.8965578 ± 0.00009 | ~ |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 3437401088 | 3437401088 | ✓ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 0.5 | 0.5 ± 0.004 | ~ |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | 0 | 0 ± 0.1 | ✓ |

| T | T ✓ | | | |
|----------------------------------------------------|-------|----------------------------------------------------|-------|--------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | • |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | • |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | • |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | • |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |

| ame | Input Value |
|---------------------------------------------------------------------------------|--------------------------------------------------------------------------|
| trmnElapsedTime mS u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| etSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| te Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| te Call Ap VehDyn SystemTime GetSystemTime mS u32(CurrentTime) | target Rte Call Ap VehDyn SystemTime GetSystemTime mS u32 CurrentTime |
| te_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| ehDyn AllowHiSpdAutoCntr Cnt M Igc | 0 |
| , = | 0 |
| ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 0 |
| ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | |
| ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 0 |
| ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 0 |
| ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 0 |
| ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 0 |
| ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 0 |
| ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 0 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1600 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 2.51327106e-006 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1600 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 2.51327106e-006 |
| ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 0 |
| ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 0 |
| ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 0 |
| ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 0 |
| ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 0 |
| ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 0 |
| ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 0 |
| ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 0 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1600 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 2.51327106e-006 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1600 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 2.51327106e-006 |
| ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 0 |
| ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 0 |
| ehDyn AutoCntrLoSpd M str.FiltPinTrg HwNm f32 | 0 |
| ehDyn_AutoCntrLoSpd_M_str.CntrWindow HwDeg f32 | 0 |
| ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 0 |
| ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 0 |
| ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 0 |
| enDyn_AutoCntrLoSpd_M_str.Timer1_m5_u32 ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 0 |
| , = , = = = = | |
| ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1600 2.51227100 - 000 |
| ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 2.51327106e-006 |
| ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1600 2.51227100 - 000 |
| ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 2.51327106e-006 0 |
| ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | |



| | | (-#) | 0-10 |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|----------------|----------|
| Name | Input Value | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | | |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 0 | | |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | -1600 | | |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 | | |
| VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt Cnt M_lgc | 0 | | |
| VehDyn_MaxOffset_HwDeg_M_f32 | -2840 | | |
| VehDyn_MinOffset HwDeg M f32 | -1440.10999 | | |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | -18.7999992 | | |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 2.51327106e-006 | | |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0 | | |
| VehDyn_SLPHwPos_HwDeg_M_f32 | -1600 | | |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 0 | | |
| k_HiSpdVDAuthority_UIs_f32 | 0 | | |
| k_HwTqMgnThd_HwNm_f32 | 0 | | |
| k_LoSpdVDAuthority_Uls_f32 k_SrlHwAgVldTiThd_mS_u32 | 0 | | |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 1 | | |
| k TravelXCDeadband Uls f32 | 0 | | |
| k_TravelXCHwAuthority_Uls_f32 | 0 | | |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 0 | | |
| target_GetSystemTime_mS_u32_CurrentTime | 0 | | |
| $target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_Elapse$ | | | |
| $target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime$ | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRad target_VehDyn_Per1_RelHwPos_HwDeg_f3 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_L | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_Hw | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc | 0_ | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_MtrN | lm_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc | target_VehDyn_Per1_VehicleSpeedValid_Cr | nt_lgc | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph_f3 | 2 | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -1440.10999 | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value | 360 -10 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | -1118 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | -1600 | | |
| target VehDyn Per1 SrlHwAgVld Cnt Igc.value | 0 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | -1600 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | -8.80000019 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 0 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 0 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 0 | 0 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 0 | 0 | |
| VehDyn AutoCntrDetSpd_M_str.RelHwPosFilt1SV HwDeg str.SV Uls f32 | -1600 | -1600 ± 0.009 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1600 | -1600 ± 0.009 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | - |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | - |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 0 | 0 | • |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 0 | 0 | • |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1600 | -1600 ± 0.009 | • |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1600 | -1600 ± 0.009 | - |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | - |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 0 | 0 | |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 0 | 0 | - |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1600 | -1600 ± 0.009 | • |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1600 | -1600 ± 0.0009 | - |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | - |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | → |



| Name | Actual Value | Expected Value | Result |
|------------------------------------------------------|--------------|-----------------------|----------|
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 | 0 | ✓ |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | ✓ |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 | 0 | ✓ |
| VehDyn_MaxOffset_HwDeg_M_f32 | 360 | 360 | ✓ |
| VehDyn_MinOffset_HwDeg_M_f32 | -1440.10999 | -1440.10999 | ✓ |
| VehDyn_PinTrqSV_M_str.SV_UIs_f32 | -18.7999992 | -18.7999992 ± 0.00009 | ✓ |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 0 | 0 | ✓ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 0 | 0 ± 0.004 | ✓ |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | -1600 | -1600 ± 0.1 | ✓ |

| T | | | | V |
|----------------------------------------------------|-------|----------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |

| ame | Input Value |
|-------------------------------------------------------------------|--------------------------------------------------------------------------|
| trmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| etSystemTime mS u32(CurrentTime) | target GetSystemTime mS u32 CurrentTime |
| te_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| te Call Ap VehDyn SystemTime GetSystemTime mS u32(CurrentTime) | target Rte Call Ap VehDyn SystemTime GetSystemTime mS u32 CurrentTime |
| te_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| hDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 |
| | 138.100006 |
| hDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 216.199997 |
| hDyn_AutoCotrDetSpd_M_str.VehSpd_kph_f32 | |
| hDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 1.20000005 |
| hDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 86.1999969 |
| hDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 10412 |
| hDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 3277 |
| hDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 2760420809 |
| hDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 54822322 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -293.049988 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000850000011 |
| hDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -293.049988 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000850000011 |
| ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| hDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 86.1999969 |
| hDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 166 |
| hDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 5.4000001 |
| hDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 41 |
| ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 12258 |
| hDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 36416 |
| ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 2760420809 |
| ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 54822322 |
| hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -293.049988 |
| hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000638000027 |
| hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -293.049988 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000268000003 |
| ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| hDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| hDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| hDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| hDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 124.699997 |
| hDyn AutoCntrLoSpd M str.VehSpd kph f32 | 216.600006 |
| hDyn AutoCntrLoSpd M str.FiltPinTrg HwNm f32 | 1.70000005 |
| nDyn AutoCntrLoSpd M str.CntrWindow HwDeg f32 | 88.599985 |
| hDyn AutoCntrLoSpd M str.Timer1Thresh mS u16 | 53970 |
| hDyn AutoCntrLoSpd M str.Timer2Thresh mS u16 | 52282 |
| hDyn AutoCntrLoSpd M str.Timer1 mS u32 | 2760420809 |
| hDyn AutoCntrLoSpd M str.Timer2 mS u32 | 54822322 |
| ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -293.049988 |
| hDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.00125584786 |
| ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -293.049988 |
| hDyn_AutoCntrLoSpd_M_str.ReiHwPosFilt2SV_HwDeg_str.Sv_Uis_i32 | 0.000850000011 |



| Verbiny AutoContacting of Auto-Principation College 0 | Name | Input Value | | |
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| Verbing AutoChart Capit M. ser Shrint Intentioned, Drug by Verbing Proprocession M. ser Shrint Intentioned, Drug by Verbing Proprocession M. ser Shrint Intentioned Drug by Verbing Proprocession M. ser Shrint Intentioned Drug by Verbing Proprocession M. ser Shrint Intentioned Drug by Verbing Proprocession M. ser Shrint Intention M. ser | VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 | | |
| Verbiny AutoContactions of Health Principles and 192 Verbiny Provincions of Cheek (Health St. 192 Verbiny New York (Health St. 192 V | VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 | | |
| Verloy: Protectaristicated (Cri. M. Igs Verloy: Nisoturant; Cri. M. Igs Verloy: Nisoturant; Cri. M. Igs O Verloy: Nisoturant; Cri. M. Igs Verloy | VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | | |
| VenDry Procedure (Cyt. M.) procedure (Cyt. | VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | | |
| VenDrug Institute (C.M. 19): VenDrug Institute (C.M. 19): VenDrug MorDinet Hander, M. 19 Ve | VehDyn_ForceCenterEnabled_Cnt_M_lgc | 1 | | |
| VeeDing Initialized Cit. M. | VehDyn_ForceCenterOffset_HwDeg_M_f32 | -1200.5 | | |
| Verbiny, MacRier Huding, M. 192 Verbiny, MacRier Huding, M. 192 Verbiny, Particle V. M. et al. U. B. 192 Verbiny, Particle V. M. et al. U. B. 192 Verbiny, Particle V. M. et al. U. B. 192 Verbiny, Shirthwell, U. B. 192 1 1 L. Lospir/Dumining, U. B. 192 1 2 1 L. Lospir/Dumining, U. B. 192 1 385 L. Synchrolaso Michaephidoep, 192 1 385 L. Synchrolaso Michaephidoep, 192 1 385 L. Synchrolaso Michaephidoep, 192 1 385 L. Travel/Cheather U. B. 192 2 40000001 L. Travel/Cheather U. B. 192 L. Travel/Dimining, U. B. 192 2 50000011 L. Travel/Dimining, U. B. 192 2 60000011 L. Travel/Dimining, U. B. 193 2 60000011 L. Travel/Dimining, U. B. 193 2 600000011 | VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 | | |
| Verboy MacOffeet Huberg M, M 22 | VehDyn_Initialize_Cnt_M_lgc | 0 | | |
| VenDyn Phrilips V. M. et SV, UB, S2 | VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 | | |
| Verbing Parting V. M. et al. Vol. B. 12 Verbing Parting V. M. et al. Vol. B. 12 Verbing S. Einheider, U. M. et al. Vol. B. 12 Verbing S. Einheider, U. M. et al. Vol. B. 15 Verbing S. Einheider, U. M. et al. Vol. B. 15 Verbing S. Einheider, U. M. et al. Vol. B. 15 Verbing S. Einheider, U. M. et al. Vol. B. 15 Verbing S. Einheider, U. M. et al. Vol. B. 15 Verbing S. Einheider, U. M. et al. Vol. B. 15 Verbing S. Einheider, U. M. et al. Vol. B. 15 Verbing S. Einheider, U. M. et al. Vol. B. 15 Verbing S. Einheider, U. M. et al. Vol. B. 15 Verbing V. M. et a | VehDyn_MaxOffset_HwDeg_M_f32 | 868.357971 | | |
| VenDyn, SiPhor, Justing JM, JD2 | VehDyn_MinOffset_HwDeg_M_f32 | -770.754028 | | |
| Verbiny, SI-Phiwatin, Use, M. 192 | VehDyn_PinTrqSV_M_str.SV_UIs_f32 | 3.20000005 | | |
| Verbin, Schreibung, Use, 13 Verbin, Verbin, Verbin, Verbin, Use, 13 Verbin, Verb | VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000422000012 | | |
| VenDyn Strikke/givTort (miss M. u32 483842816 | VehDyn_SLPHwAuth_Uls_M_f32 | 0.606999993 | | |
| LinksynDukumbmy_Uis_122 | VehDyn_SLPHwPos_HwDeg_M_f32 | -563.150024 | | |
| E. Hoff 104 Finds 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1940 1 | VehDyn_SrlHwAgVldTimer_mS_M_u32 | 463842816 | | |
| S. SHH-MQ/DITTM_INS_US2 | k_HiSpdVDAuthority_UIs_f32 | 1 | | |
| k. SHM-NAQVOTTING_MS_US2 1385 k. Trans-KXCH-Muhoop Mong-JR2 66.2009031 k. Trans-KXCH-Muhoon M, Usi, JR2 66.2009091 k. Trans-KXCH-Muhoon M, Usi, JR2 06.2009091 stargel, Drami-Elassed Time, mS_US2_CurrentTime 3533260288 starger, Rep. Land, A. VenDry, NosternTime, Drami-ElassedTime, mS_US2_CurrentTime 4503220000 starger, Rep. Land, A. VenDry, NosternTime, Gels-Spetian Time, mS_US2_CurrentTime 460342816 targer, Rep. Land, A. VenDry, NothDry, Pert _CowCOT_Hubbag_US2 targer, Rep. Land, A. VenDry, NothDry, Pert _CowCOT_Hubbag_US2 targer, Rep. Land, A. VenDry, NothDry, Pert _Mort VenDry, Pert | k_HwTqMgnThd_HwNm_f32 | 1 | | |
| K_Tawak/Chendand_Uls_T32 | k_LoSpdVDAuthority_Uls_f32 | 0 | | |
| K_TrawKCChesthandru, Uis, 132 | k_SrlHwAgVldTiThd_mS_u32 | 1385 | | |
| K_TrawKCChesthandru, Uis, 132 | k SysKinRatio MtrDegpHwDeg f32 | 96.3000031 | | |
| Insert Continue | | 66.2099991 | | |
| Signage Demis Signage Cheen Signage | | | | |
| target_Rec Call_Ap_VehDyn_SystemTime_DetmEllapsedTime_mS_u32_ElapsedTi 2442063380 target_Rec_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime 463842815 target_Rel_Inst_Ap_VehDyn_WehDyn_Perl_CowCOT_HwDeg_122 target_VehDyn_Perl_CowCOT_HwDeg_122 target_Rel_Inst_Ap_VehDyn_WehDyn_Perl_WehDyn_Perl_WehDyn_Det_Res_CowCOT_HwDeg_122 target_VehDyn_Perl_WehDyn_Perl_WehDyn_Det_Res_CowCOT_HwDeg_122 target_Rel_Inst_Ap_VehDyn_WehDyn_Perl_WehDyn_Perl_MehDeg_122 target_VehDyn_Perl_WehDyn_Perl_WehDyn_Perl_Ser_CowCOT_HwDeg_132 target_Rel_Inst_Ap_VehDyn_WehDyn_Perl_Residence_Stabulonity_Usi_122 target_VehDyn_Perl_Residence_Stabulonity_Usi_122 target_Rel_Inst_Ap_VehDyn_WehDyn_Perl_Ser_Stabulonity_Usi_122 target_VehDyn_Perl_Residence_Stabulonity_Usi_122 target_Rel_Inst_Ap_VehDyn_WehDyn_Perl_Ser_Stabulonity_Usi_122 target_VehDyn_Perl_Ser_Stabulonity_Usi_122 target_Rel_Inst_Ap_VehDyn_WehDyn_Perl_Ser_Stabulonity_Usi_122 target_VehDyn_Perl_Ser_Stabulonity_Usi_122 target_VehDyn_Perl_Ser_Inst_Ap_VehDyn_WehDyn_Perl_Ser_Stabulonity_Usi_122 target_VehDyn_Perl_Ser_Stabulonity_Usi_122 target_VehDyn_Perl_Ser_Inst_Ap_VehDyn_WehDyn_Perl_VehicloSepeed_Vidi_Cot_Usi_2 target_VehDyn_Perl_Tor_CowCOT_HwDeg_132 target_VehDyn_Perl_CowCOT_HwDeg_132_Value 1410.51190 target_VehDyn_Perl_Ser_Instruct_MeyCot_Usi_2 Value 387.599676 target_VehDyn_Perl_Ser | _ /= _ | | | |
| Integrow Risk Call Ap. VehDyn SystemTime DimmElapsedTime ms. 3.22 LapsedTi 2695041984 | | | | |
| target_Ris_Inst_Ap_VehDyn_SystemTime_G8SystemTime_M8_U32_CurrentTime d834c816 | 0 = 7 = = = | | | |
| target, Rie, Inst, Ap, VehDyn, VehDyn, Pert J. CowEOT_HwDeg, J32 target, Rie, Inst, Ap, VehDyn, VehDyn, Pert J. WebOT_HwDeg, J32 target, Rie, Inst, Ap, VehDyn, VehDyn, Pert J. WebOT_HwDeg, J32 target, Rie, Inst, Ap, VehDyn, VehDyn, Pert J. Whorque, HwMm, J32 target, Rie, Inst, Ap, VehDyn, VehDyn, Pert J. Whorque, HwMm, J32 target, Rie, Inst, Ap, VehDyn, VehDyn, Pert J. Whorque, HwMm, J32 target, Rie, Inst, Ap, VehDyn, VehDyn, Pert J. SensorlessAuthority, Uls, J32 target, Lie, Inst, Ap, VehDyn, VehDyn, Pert J. SensorlessAuthority, Uls, J32 target, Lie, Inst, Ap, VehDyn, VehDyn, Pert J. SensorlessAuthority, Uls, J32 target, Rie, Inst, Ap, VehDyn, VehDyn, Pert J. SensorlessAuthority, Uls, J32 target, VehDyn, Pert SensorlessAuthority, VehDyn, Pert SensorlessAuthority, VehDyn, Pert SensorlessAuthority, VehDyn, J32 target, VehDyn, Pert SensorlessAuthority, VehDyn, J32 target, VehDyn, Pert SensorlessAuthority, VehDyn, J32 | | | | |
| target, Rie, Inst, Ap, VehDyn, VehDyn, Pert J. CWEOT, HwDeg, 122 target, Rie, Inst, Ap, VehDyn, VehDyn, Pert J. MordvelORF, Jirkhangs, 122 target, Rie, Inst, Ap, VehDyn, VehDyn, Pert J. MordvelORF, Jirkhangs, 122 target, Rie, Inst, Ap, VehDyn, VehDyn, Pert J. MordvelORF, Jirkhangs, 122 target, Rie, Inst, Ap, VehDyn, VehDyn, Pert J. MordvelORF, Jirkhangs, 122 target, Rie, Inst, Ap, VehDyn, VehDyn, Pert J. SensoriessAuthority, Uls, 122 target, Rie, Inst, Ap, VehDyn, VehDyn, Pert J. SensoriessAuthority, Uls, 123 target, Rie, Inst, Ap, VehDyn, VehDyn, Pert J. SensoriessAuthority, Uls, 123 target, Rie, Inst, Ap, VehDyn, VehDyn, Pert J. SensoriessAuthority, Uls, 122 target, Rie, Inst, Ap, VehDyn, VehDyn, Pert J. SensoriessAuthority, Uls, 122 target, Rie, Inst, Ap, VehDyn, VehDyn, Pert J. SensoriessAuthority, Uls, 123 target, Rie, Inst, Ap, VehDyn, VehDyn, Pert J. SensoriessAuthority, Uls, 123 target, Rie, Inst, Ap, VehDyn, VehDyn, Pert J. SensoriessAuthority, Uls, 123 target, Rie, Inst, Ap, VehDyn, VehDyn, Pert J. SensoriessAuthority, Uls, 123 target, Rie, Inst, Ap, VehDyn, VehDyn, Pert J. SensoriessAuthority, Uls, 123 target, Rie, Inst, Ap, VehDyn, VehDyn, Pert J. SensoriessAuthority, Uls, 123 target, Rie, Inst, Ap, VehDyn, VehDyn, Pert J. SensoriessAuthority, Uls, 123 target, Rie, Inst, Ap, VehDyn, VehDyn, Pert J. SensoriessAuthority, Uls, 123 target, VehDyn, Pert, CaceCDT, HwDeg, 122-value target, VehDyn, Pert, CaceCDT, HwDeg, 122-value target, VehDyn, Pert, J. SensoriessAuthority, 124-value target, VehDyn, Pert, SensoriessAuthority, 124-value target, VehDyn, Pert, SensoriessAuthority, 124-value vehDyn, AllowhilspdAutoCntr, Cnt, M. Igc 1 1 1 vehDyn, AutoCntrDelspd, M. sensoriessAuthority, 124-value vehDyn, AutoCntrDelspd, M. sens | | | | |
| larget Rie, Inst Ap, VehDyn, VehDyn, Pert J. HwTorque, HwNm, 132 target, VehDyn, Pert J. Motor VeiCRF, MitRados, 132 target, VehDyn, Pert J. SensoriessAuthority, Uls, 132 target, VehDyn, Pert J. SensoriessAuthority, VehD | | | | |
| target_Re_Inst_Ap_VehDyn_Pert_MotorVcRF_MritadpS_132 target_Re_Inst_Ap_VehDyn_Pert_RelithVos_HwDeg_132 target_Re_Inst_Ap_VehDyn_VehDyn_Pert_SensoriessAuthority_Uis_132 target_Re_Inst_Ap_VehDyn_VehDyn_Pert_SensoriessAuthority_Uis_132 target_Re_Inst_Ap_VehDyn_VehDyn_Pert_SensoriessAuthority_Uis_132 target_Re_Inst_Ap_VehDyn_VehDyn_Pert_SensoriessAuthority_Uis_132 target_Re_Inst_Ap_VehDyn_VehDyn_Pert_SensoriessAuthority_Uis_132 target_Re_Inst_Ap_VehDyn_VehDyn_Pert_SensoriessAuthority_Uis_132 target_Re_Inst_Ap_VehDyn_VehDyn_Pert_SensoriessAuthority_Uis_132 target_Re_Inst_Ap_VehDyn_VehDyn_Pert_SensoriessAuthority_Uis_132 target_VehDyn_Pert_SensoriessAuthority_Uis_132 target_VehDyn_Pert_VehIcleSpeedValid_Cnt_Uis_2 target_VehDyn_Pert_VehIcleSpe | | | | |
| target_Rte_Inst_Ap_VehDyn_Pert_Sensorbes_Rd2 | | | | |
| target_Rel_inst_Ap_VehDyn_VehDyn_Per1_SensorlessAuthority_Uis_132 target_Rel_inst_Ap_VehDyn_VehDyn_Per1_SensorlessAuthority_Uis_132 target_Rel_inst_Ap_VehDyn_VehDyn_Per1_SensorlessAuthority_Uis_132 target_Rel_inst_Ap_VehDyn_VehDyn_Per1_SensorlessAuthority_Uis_132 target_Rel_inst_Ap_VehDyn_VehDyn_Per1_SirliwAgVid_Cnt_igc target_Rel_inst_Ap_VehDyn_VehDyn_Per1_SirliwAg_HwDeg_132 target_Rel_inst_Ap_VehDyn_VehDyn_Per1_TorqueCmdCRF_MitnM_132 target_Rel_inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeedValid_Cnt_igc target_Rel_inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeedValid_Cnt_igc target_VehDyn_Per1_CweCDT_HwDeg_132 value target_VehDyn_Per1_CweCDT_HwDeg_132 value target_VehDyn_Per1_CweCDT_HwDeg_132 value target_VehDyn_Per1_MortoveCortF_MitnRadps_132 value target_VehDyn_Per1_MortoveCortF_MitrRadps_132 value target_VehDyn_Per1_SirliwAgVid_Cnt_igc value target_VehDyn_Per1_SirliwAgVid_Cnt_igc value target_VehDyn_Per1_SirliwAgVid_Cnt_igc value target_VehDyn_Per1_SirliwAgVid_Cnt_igc value target_VehDyn_Per1_SirliwAgVid_Cnt_igc value target_VehDyn_Per1_SirliwAgVid_Cnt_igc value target_VehDyn_Per1_VehicleSpeed_VehDyn_Per1_SirliwAgVid_Cnt_igc value target_VehDyn_Per1_VehicleSpeed_VehDyn_Per1_VehicleSpeed_VehDyn_Per1_SirliwAgVid_Cnt_igc value target_VehDyn_Per1_VehicleSpeed_VehDyn_Per1_SirliwAgVid_Cnt_igc value target_VehDyn_Per1_VehicleSpeed_VehDyn_Per1_SirliwAgVid_Cnt_igc value target_VehDyn_Per1_VehicleSpeed_VehDyn_2value target_VehDyn_Per1_VehicleSpeed_VehDyn_2value target_VehDyn_Per1_VehicleSpeed_VehDyn_2value target_VehDyn_2value target_VehDyn_2valu | | | | |
| larget_Rie_Inst_Ap_VehDpn_VehDpn_Per1_SensorlessHwPos_HwDog_132 target_Rie_Inst_Ap_VehDpn_VehDpn_Per1_SirltwAgVid_Cnt_lgc target_Rie_Inst_Ap_VehDpn_VehDpn_Per1_SirltwAgVid_Cnt_lgc target_Rie_Inst_Ap_VehDpn_VehDpn_Per1_TorqueCmdCRF_MINIm_132 target_Rie_Inst_Ap_VehDpn_VehDpn_Per1_TorqueCmdCRF_MINIm_132 target_Rie_Inst_Ap_VehDpn_VehDpn_Per1_VehicleSpeed_VehDpn_Ref1_SirltwAgVid_Cnt_lgc target_Rie_Inst_Ap_VehDpn_VehDpn_Per1_VehicleSpeed_VehDpn_Per1_VehicleSpeed_Rie_Inst_Ap_VehDpn_VehDpn_Per1_VehicleSpeed_Rie_Inst_Ap_VehDpn_Per1_VehicleSpeed_Rie_Inst_Ap_VehDpn_Per1_VehicleSpeed_Rie_Inst_Ap_VehDpn_Per1_VehicleSpeed_Rie_Inst_Ap_VehDpn_Per1_VehicleSpeed_Rie_Inst_Ap_VehDpn_Per1_VehicleSpeed_Rie_Inst_Ap_VehDpn_Per1_VehicleSpeed_Rie_Inst_Ap_VehDpn_Per1_VehicleSpeed_Rie_Inst_Ap_VehDpn_Per1_VehicleSpeed_Rie_Inst_Ap_VehDpn_Per1_VehicleSpeed_Rie_Inst_Ap_VehDpn_Per1_VehicleSpeed_Rie_Inst_Ap_VehDpn_Per1_VehicleSpeed_Rie_Inst_Ap_VehDpn_Per1_VehicleSpeed_Rie_Inst_Ap_VehDpn_Per1_VehicleSpeed_Rie_Inst_Ap_VehDpn_Per1_VehicleSpeed_Rie_Inst_Ap_VehDpn_Per1_VehicleSpeed_Rie_Inst_Ap_VehDpn_Per1_VehicleSpeed_Rie_Inst_Ap_VehDpn_Per1_VehicleSpeed_Rie_Inst_Ap_VehDpn_Per1_VehicleSpeed_Rie_Inst_Ap_VehDpn_Per1_VehicleSpeed_Rie_Inst_Ap_VehDpn_Per1_VehicleSpeed_Rie_Inst_Ap_VehDpn_Per1_VehicleSpeed_Rie_Inst_Ap_VehDpn_Per1_VehicleSpeed_Rie_Inst_Ap_VehDpn_Per1_VehicleSpeed_Rie_Inst_Ap_VehDpn_Per1_VehicleSpeed_Rie_Inst_Ap_VehDpn_Per1_VehicleSpeed_Rie_Inst_Ap_VehDpn_Per1_VehicleSpeed_Rie_Inst_Ap_VehDpn_Per1_VehicleSpeed_Rie_Inst_Ap_VehDpn_Per1_VehicleSpeed_Rie_Inst_Ap_VehDpn_Per1_VehicleSpeed_Rie_Inst_Ap_VehDpn_Per1_VehicleSpeed_Rie_Inst_Ap_VehDpn_Per1_VehicleSpeed_Rie_Inst_Ap_VehDpn_Per1_VehicleSpeed_Rie_Inst_Ap_VehDpn_Per1_VehicleSpeed_Rie_Inst_Ap_VehDpn_Per1_VehicleSpeed_Rie_Inst_Ap_VehDpn_Per1_VehicleSpeed_Rie_Inst_Ap_VehDpn_Per1_VehicleSpeed_Rie_Inst_Ap_VehDpn_Per1_VehicleSpeed_Rie_Inst_Ap_VehDpn_Per1_VehicleSpeed_Rie_Inst_Ap_VehDpn_Per1_VehicleSpeed_Rie_Inst_Ap_VehDpn_Per1_VehicleSpeed_Rie_Inst_Ap_VehDpn_Per1_Terion_Rie_Inst_Ap_VehD | | | | |
| target_Re_inst_Ap_VehDyn_VehDyn_Per1_SirthwAgVid_Cnt_lgc target_Re_inst_Ap_VehDyn_VehDyn_Per1_SirthwAgVid_Cnt_lgc target_Re_inst_Ap_VehDyn_VehDyn_Per1_SirthwAg_HwDeg_f32 target_Re_inst_Ap_VehDyn_Per1_VehicleSpeed_KinNm_f32 target_Re_inst_Ap_VehDyn_Per1_VehicleSpeed_KinNm_f32 target_Re_inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeed_Kin_f32 target_VehDyn_Per1_VehicleSpeed_Kin_f32 target_VehDyn_Per1_CowEOT_HwDeg_f32_value target_VehDyn_Per1_CowEOT_HwDeg_f32_value target_VehDyn_Per1_VehicleSpeed_Kin_f32 target_VehDyn_Per1_VehicleSpeed_Kin_f32 target_VehDyn_Per1_VehicleSpeed_Kin_f32 target_VehDyn_Per1_VehicleSpeed_Kin_f32 target_VehDyn_Per1_VehicleSpeed_Kin_f32 target_VehDyn_Per1_VehicleSpeed_Kin_f32 target_VehDyn_Per1_Motor_VehCRF_MitrRadpS_f32_value target_VehDyn_Per1_Motor_VehCRF_MitrRadpS_f32_value target_VehDyn_Per1_Motor_VehCRF_MitrRadpS_f32_value 293_vehge88 target_VehDyn_Per1_SirtHwQd_Cnt_lgc_value 0 0 target_VehDyn_Per1_SirtHwQd_Cnt_lgc_value 0 target_VehDyn_Per1_VehicleSpeed_Kin_f32_value 4.9000001 target_VehDyn_Per1_VehicleSpeed_VehId_Cnt_lgc_value 0 target_VehDyn_Per1_VehicleSpeed_VehId_Cnt_lgc_value 0 target_VehDyn_Per1_VehicleSpeed_VehId_Cnt_lgc_value 0 target_VehDyn_Per1_VehicleSpeed_VehId_Cnt_lgc_value 0 target_VehDyn_Der1_TorqueCmdCRF_MitrMin_f32_value 545.75 target_VehDyn_Der1_TorqueCmdCRF_MitrMin_f32_value 0 target_VehDyn_Der1_TorqueCmdCRF_MitrMin_f32_value 0 target_VehDyn_Der1_VehicleSpeed_VehId_Cnt_lgc_value 0 target_VehDyn_Der1_VehId_Cnt_lgc_value 0 target_V | | | | |
| target_Rte_Inst_Ap_VehDyn.Per1_Srithwag_HwDeg_f32 target_VehDyn.Per1_Srithwag_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.Per1_VehDyn.Per1_VehicleSpeedvalid_Cnt_Igc target_Rte_Inst_Ap_VehDyn.Per1_VehicleSpeedvalid_Cnt_Igc target_VehDyn.Per1_VehicleSpeed_Kph_f32 target_VehDyn.Per1_CwEOT_HwDeg_f32_value 4812-150024 target_VehDyn.Per1_Web0_F32_value 4812-150024 target_VehDyn.Per1_Web0_F32_value 6 target_VehDyn.Per1_MittrRadpS_f32_value 6 target_VehDyn.Per1_MittrRadpS_f32_value 293.049988 target_VehDyn.Per1_SritHwAg_HwDeg_f32_value 293.049988 target_VehDyn.Per1_SritHwAg_HwDeg_f32_value 293.049988 target_VehDyn.Per1_SritHwAg_HwDeg_f32_value 49000001 target_VehDyn.Per1_SritHwAg_HwDeg_f32_value 4.9000001 target_VehDyn.Per1_VehicleSpeedValid_Cnt_Ig_c_value 354.75 target_VehDyn.Per1_VehicleSpeedKylal_Cnt_Ig_c_value 354.75 VehDyn.AllowHiSpdAuloCntr_Cnt_M_Igc 1 1 VehDyn.AutoCntrDelSpd_M_str.Timer1_ms_u32 2780420809 2760420809 VehDyn.AutoCntrDelSpd_M_str.RelHwPosFittSV_HwDeg_str.Sv_Uis_f32 293.049988 293.049988 ± 0.0009 V | | | Deg_132 | |
| target_Re_Inst_Ap_VehDyn.Perl_TorqueCmdCRF_MtrNm_f32 target_VehDyn.Perl_TorqueCmdCRF_MtrNm_f32 target_Re_Inst_Ap_VehDyn.Perl_VehicleSpeedValid_Cnt_Igc target_Re_Inst_Ap_VehDyn.Perl_VehicleSpeed_Kph_f32 target_Re_Inst_Ap_VehDyn.Perl_CwEOT_HwDeg_Jf32_value 4812_150024 target_VehDyn.Perl_CwEOT_HwDeg_Jf32_value 4812_150024 target_VehDyn.Perl_Moroque_HwNm_f32_value 6 target_VehDyn.Perl_Moroque_HwNm_f32_value 6 target_VehDyn.Perl_Moroque_HwNm_f32_value -897_599976 target_VehDyn.Perl_SriHwAg/Vd_Cnt_Igc_value 0 target_VehDyn.Perl_SriHwAg/Vd_Cnt_Igc_value 0 target_VehDyn.Perl_SriHwAg/Vd_Cnt_Igc_value -563.150024 target_VehDyn.Perl_VehicleSpeed_Kph_f32_value -563.150024 target_VehDyn.Perl_VehicleSpeed_Kph_f32_value 354.75 Name Actual Value Expected Value VehDyn_AlloChtDelSped_M_Str.Timer1_mS_u32 2760420809 2760420809 VehDyn_AutoChtDelSpd_M_str.Timer2_mS_u32 2760420809 2760420809 VehDyn_AutoChtDelSpd_M_str.ReiHwPosFittSV_HwDeg_str.SV_Uis_f32 -293.049988 -293.049988 ± 0.0009 VehDyn_AutoChtDelSpd_M_str.Filter2Enable_Cnt_Igc 1 1 VehDyn | | | | |
| target_Re_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc target_Re_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CweFO_HwDeg_f32_Value | | | 400 | |
| target_Rel_inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CowEOT_HwDeg_f32_value target_VehDyn_Per1_Mortorque_HwDeg_f32_value target_VehDyn_Per1_Mortorque_HwDeg_f32_value target_VehDyn_Per1_Mortorque_HwDeg_f32_value target_VehDyn_Per1_Mortorque_HwDeg_f32_value target_VehDyn_Per1_Mortorque_HwDeg_f32_value target_VehDyn_Per1_RelHwPros_HwDeg_f32_value target_VehDyn_Per1_RelHwPros_HwDeg_f32_value target_VehDyn_Per1_SriHwAg_Vid_Ont_lgc_value target_VehDyn_Per1_SriHwAg_HwDeg_f32_value target_VehDyn_Per1_SriHwAg_HwDeg_f32_value target_VehDyn_Per1_VehicleSpeed_Kph_f32_value target_VehDyn_Per1_VehicleSpeed_VehTits_mg_0_2 target_VehDyn_Per1_VehicleSpeed_VehTits_mg_0_2 target_VehDyn_Per1_VehicleSpeed_VehTits_mg_0_2 target_VehDyn_AutoCntrDetSped_M_str.Timer1_ms_u32 target_VehDyn_AutoCntrDetSpd_M_str.Timer1_ms_u32 target_vehDyn_AutoCntrDetSpd_M | | | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | | | | |
| target_VehDyn_Per1_CwEOT_HwDeg_T32_value | | | 2 | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32_value -897.599976 target_VehDyn_Per1_RelHwPos_HwDeg_f32_value -293.049988 target_VehDyn_Per1_RelHwPos_HwDeg_f32_value -293.049988 target_VehDyn_Per1_SrlHwAg_HwDeg_f32_value -563.150024 target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32_value -563.150024 target_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc_value 0 target_VehDyn_Per1_VehicleSpeed_Kph_f32_value 0 VehDyn_AllowHiSpdAutoCntr_Cnt_M_Igc 1 1 VehDyn_AllowHiSpdAutoCntr_Cnt_M_Igc 1 1 1 VehDyn_AutoCntrDelSpd_M_str.Timer1_ms_u32 2760420809 2760420809 VehDyn_AutoCntrDelSpd_M_str.Timer2_ms_u32 54822322 54822322 VehDyn_AutoCntrDelSpd_M_str.RelHwPosFitItSV_HwDeg_str.SV_UIs_f32 -293.049988 -293.049988 ± 0.0009 VehDyn_AutoCntrDelSpd_M_str.RelHwPosFitItSV_HwDeg_str.SV_UIs_f32 -293.049988 -293.049988 ± 0.0009 VehDyn_AutoCntrDelSpd_M_str.Filter1Initialized_Cnt_Igc 1 1 VehDyn_AutoCntrDelSpd_M_str.Filter2Enable_Cnt_Igc 1 1 VehDyn_AutoCntrDelSpd_M_str.Filter2Initialized_Cnt_Igc 0 0 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiltSV | · - · · - | | | |
| target_VehDyn_Perl_RelHwPos_HkrBadpS_f32.value | | | | |
| target_VehDyn_Pert_RelHwPos_HwDeg_f32.value -293.049988 target_VehDyn_Pert_SrlHwAgVId_Cnt_lgc.value 0 target_VehDyn_Pert_SrlHwAg_HwDeg_f32.value -563.150024 target_VehDyn_Pert_TorqueCmdCRE_MthNm_f32.value -4,9000001 target_VehDyn_Pert_TorqueCmdCRE_MthNm_f32.value 0 target_VehDyn_Pert_VehicleSpeed_Rph_f32.value 354.75 Name Actual Value Expected Value VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc 1 1 VehDyn_AllowChrtDelSpd_M_str.Timer1_mS_u32 2760420809 2760420809 VehDyn_AutoCntrDelSpd_M_str.Timer1_mS_u32 54822322 54822322 VehDyn_AutoCntrDelSpd_M_str.RelHwPosFiltSV_HwDeg_str.SV_UIs_f32 -293.049988 -293.049988 ± 0.0009 VehDyn_AutoCntrDelSpd_M_str.Filter1Enable_Cnt_lgc 1 1 1 VehDyn_AutoCntrDelSpd_M_str.Filter1Enable_Cnt_lgc 1 1 1 VehDyn_AutoCntrDelSpd_M_str.Filter1Initialized_Cnt_lgc 1 1 1 VehDyn_AutoCntrDelSpd_M_str.Filter1Initialized_Cnt_lgc 0 0 0 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 2942063360 2942063360 2942063360 <tr< td=""><td></td><td></td><td></td><td></td></tr<> | | | | |
| target_VehDyn_Pert_SrlHwAgVid_Cnt_igc.value | | | | |
| target_VehDyn_Pert_SriHwAg_HwDeg_i32.value | | | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32_value | 0 = 7 = = 0 = =0 | | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value 0 Name Actual Value Expected Value VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc 1 1 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 2760420809 2760420809 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 54822322 54822322 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 -293.049988 -293.049988 ± 0.0009 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 -293.049988 -293.049988 ± 0.0009 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc 1 1 VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc 1 1 VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 2942063360 2942063360 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 -293.049988 -293.049988 ± 0.0009 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 -293.049988 -293.049988 ± 0.0009 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 -293.049988 -293.049988 ± 0.0009 | | | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value 354.75 Name Actual Value Expected Value VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc 1 1 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 2760420809 2760420809 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 54822322 54822322 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiltISV_HwDeg_str.SV_UIs_f32 -293.049988 -293.049988 ± 0.0009 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc 1 1 VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc 1 1 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 2942063360 2942063360 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiltISV_HwDeg_str.SV_UIs_f32 -293.049988 -293.049988 ± 0.0009 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiltISV_HwDeg_str.SV_UIs_f32 -293.049988 -293.049988 ± 0.0009 VehDyn_AutoCntrHiSpd_M_str.Rilter1Enable_Cnt_lgc 0 0 0 VehDyn_AutoCntrH | | | | |
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| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 -293.049988 -293.049988 ± 0.0009 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 -293.049988 -293.049988 ± 0.0009 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc 1 1 VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc 1 1 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 2942063360 2942063360 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 -293.049988 -293.049988 ± 0.0009 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 -293.049988 -293.049988 ± 0.0009 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 | VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 2760420809 | 2760420809 | • |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 -293.049988 -293.049988 ± 0.0009 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc 1 1 VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc 1 1 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 2942063360 2942063360 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 -293.049988 -293.049988 ± 0.0009 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 -293.049988 -293.049988 ± 0.0009 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 2942063360 2942063360 | VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 54822322 | 54822322 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc 1 1 VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc 1 1 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 2942063360 2942063360 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 54822322 54822322 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 -293.049988 -293.049988 ± 0.0009 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 -293.049988 -293.049988 ± 0.0009 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 2942063360 2942063360 | VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -293.049988 | -293.049988 ± 0.0009 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc 1 1 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 2942063360 2942063360 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 54822322 54822322 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 -293.049988 -293.049988 ± 0.0009 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 -293.049988 -293.049988 ± 0.0009 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 2942063360 2942063360 | VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -293.049988 | -293.049988 ± 0.0009 | - |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 2942063360 2942063360 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 54822322 54822322 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 -293.049988 -293.049988 ± 0.0009 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 2942063360 2942063360 | VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 2942063360 2942063360 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 54822322 54822322 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 -293.049988 -293.049988 ± 0.0009 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 -293.049988 -293.049988 ± 0.0009 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 2942063360 2942063360 | VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 2942063360 2942063360 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 54822322 54822322 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFitt1SV_HwDeg_str.SV_UIs_f32 -293.049988 -293.049988 ± 0.0009 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFitt2SV_HwDeg_str.SV_UIs_f32 -293.049988 -293.049988 ± 0.0009 VehDyn_AutoCntrHiSpd_M_str.Fitter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Fitter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Fitter1Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Fitter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 2942063360 2942063360 | VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 54822322 54822322 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFitt1SV_HwDeg_str.SV_UIs_f32 -293.049988 -293.049988 ± 0.0009 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFitt2SV_HwDeg_str.SV_UIs_f32 -293.049988 -293.049988 ± 0.0009 VehDyn_AutoCntrHiSpd_M_str.Fitter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Fitter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Fitter1Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Fitter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 2942063360 2942063360 | VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | - |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 54822322 54822322 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFitt1SV_HwDeg_str.SV_UIs_f32 -293.049988 -293.049988 ± 0.0009 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFitt2SV_HwDeg_str.SV_UIs_f32 -293.049988 -293.049988 ± 0.0009 VehDyn_AutoCntrHiSpd_M_str.Fitter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Fitter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Fitter1Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Fitter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 2942063360 2942063360 | | 2942063360 | 2942063360 | • |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 -293.049988 -293.049988 ± 0.0009 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 -293.049988 -293.049988 ± 0.0009 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 2942063360 2942063360 | · | | | • |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 -293.049988 -293.049988 ± 0.0009 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 2942063360 2942063360 | | | | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 2942063360 2942063360 | , _ , | | | |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 2942063360 2942063360 | | | | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 2942063360 2942063360 | | | | |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 2942063360 2942063360 | | | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 2942063360 2942063360 | | | | |
| | | | | |
| VOIDVII MUIOOIIILOODU IVI 311. IIIIIGIZ IIIO UUZ 1040ZZZZZZ 1:140ZZZZ | | | | |
| VehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32 -293.049988 -293.049988 ± 0.0009 | | | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFitt3SV_HwDeg_str.SV_UIs_f32 -293.049986 ± 0.0009 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFitt2SV_HwDeg_str.SV_UIs_f32 -293.049988 ± 0.0009 | , _ , | | | |
| VenDyn_AutoCntrLoSpd_M_str.ReiHwPosFiltzSV_HwDeg_str.SV_Uis_132 -293.049988 ± 0.0009 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 0 0 | | | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | | | | |



| Name | Actual Value | Expected Value | Result |
|-------------------------------------------------------|--------------|-----------------------|----------|
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 | 0 | ✓ |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | ✓ |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 | 0 | ✓ |
| VehDyn_MaxOffset_HwDeg_M_f32 | 1416.51196 | 1416.51196 | ✓ |
| VehDyn_MinOffset_HwDeg_M_f32 | -812.150024 | -812.150024 | ✓ |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 3.20116019 | 3.20116019 ± 0.000009 | ✓ |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 463842816 | 463842816 | ✓ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 1 | 1 ± 0.004 | ✓ |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | 907.450012 | 907.450012 ± 0.1 | ✓ |

| T | | | | |
|----------------------------------------------------|-------|----------------------------------------------------|-------|--------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | • |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |

| Test Step 2.105 (Repeat Count = 1) | |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|
| Name | Input Value |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| GetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 498.200012 |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 156.199997 |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 3.20000005 |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 52.2000008 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 21335 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 34188 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 274107514 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 4004004656 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -627.179993 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000852000026 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -627.179993 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000852000026 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 10 |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 226.399994 |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 8 |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 96.1999969 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 53970 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 52282 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 274107514 |
| VehDyn AutoCntrHiSpd M str.Timer2 mS u32 | 4004004656 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -627.179993 |
| VehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32 | 0.000639999984 |
| VehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32 | -627.179993 |
| VehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32 | 0.000272000005 |
| VehDyn AutoCntrHiSpd M str.Filter1Enable Cnt lgc | 0 |
| VehDyn AutoCntrHiSpd M str.Filter2Enable Cnt lgc | 0 |
| VehDyn AutoCntrHiSpd M str.Filter1Initialized Cnt Igc | 0 |
| VehDyn AutoCntrHiSpd M str.Filter2Initialized Cnt Igc | 1 |
| VehDyn AutoCntrLoSpd M str.MtrVel MtrRadpS f32 | 98.8000031 |
| VehDyn AutoCntrLoSpd M str.VehSpd kph f32 | 88.300031 |
| VehDyn AutoCntrLoSpd M str.FiltPinTrg HwNm f32 | 10.8000002 |
| VehDyn AutoCntrLoSpd M str.CntrWindow HwDeg f32 | 52.2999992 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 38868 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 57944 |
| VehDyn AutoCntrLoSpd M str.Timer1 mS u32 | 274107514 |
| VehDyn AutoCntrLoSpd M str.Timer2 mS u32 | 4004004656 |



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| Name | Input Value | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -627.179993 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000566000002 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -627.179993 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000852000026 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | | |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 1 | | |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | -1100.58997 | | |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 | | |
| VehDyn_Initialize_Cnt_M_lgc | 1 | | |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 | | |
| VehDyn_MaxOffset_HwDeg_M_f32 | 873.349976 | | |
| VehDyn_MinOffset_HwDeg_M_f32 | -764.070007 | | |
| VehDyn_PinTrqSV_M_str.SV_UIs_f32 | 7.80000019 | | |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.00042299999 0.624000013 | | |
| VehDyn_SLPHwAuth_Uls_M_f32 VehDyn_SLPHwPos_HwDeg_M_f32 | -552.890015 | | |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 1759885568 | | |
| k HiSpdVDAuthority Uls f32 | 1 | | |
| k HwTqMgnThd HwNm f32 | 1.5 | | |
| k_LoSpdVDAuthority_Uls_f32 | 0 | | |
| k_SrlHwAgVldTiThd_mS_u32 | 744 | | |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 32.5 | | |
| k_TravelXCDeadband_Uls_f32 | 65.1800003 | | |
| k_TraveIXCHwAuthority_UIs_f32 | 0.139125004 | | |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 3714197504 | | |
| target_GetSystemTime_mS_u32_CurrentTime | 2075080192 | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTi | | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime | | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target VehDyn Per1 HwTorque HwNm f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRad | pS_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f3. | 2 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_L | lls_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_Hw | Deg_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_MtrN | m_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc | target_VehDyn_Per1_VehicleSpeedValid_Cr | nt_lgc | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph_f3 | 2 | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -805.890015 | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 1410.94299 | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | 6.19999981 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | 1009.29999 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | -627.179993 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 1 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | -552.890015 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | 4.5999999 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 1 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 398.109985 | | 1_ |
| Name | Actual Value | Expected Value | Result |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 | 1 | • |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 274107514 | 274107514 | • |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 4004004656 | 4004004656 | • |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -627.179993 | -627.179993 ± 0.0009 | • |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -627.179993 | -627.179993 ± 0.0009 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | - |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 2075080192 | 2075080192 | |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 4004004656 | 4004004656 | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDog_str.SV_Uls_f32 | -627.179993 | -627.179993 ± 0.0009 | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 | -627.179993 | -627.179993 ± 0.0009 | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrllSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | |
| VehDyn_AutoCntrl oSpd_M_str.Filter2Initialized_Cnt_Igc | 2075080192 | 2075080192 | Š |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 4004004656 | 4004004656 | _ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | | | |



| Name | Actual Value | Expected Value | Result |
|-----------------------------------------------------------------|--------------|-----------------------|----------|
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -627.179993 | -627.179993 ± 0.0009 | • |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -627.179993 | -627.179993 ± 0.0009 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 | 0 | • |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 | 0 | • |
| VehDyn_MaxOffset_HwDeg_M_f32 | 873.349976 | 873.349976 | ~ |
| VehDyn_MinOffset_HwDeg_M_f32 | -178.710022 | -178.710007 | ✓ |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 7.79938316 | 7.79938316 ± 0.000009 | ~ |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 1759885568 | 1759885568 | • |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 1 | 1 ± 0.004 | ~ |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | 473.409973 | 473.410004 ± 0.1 | ✓ |

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|----------------------------------------------------|-------|----------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Pen_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | | ✓ |
| Autocenter_f32 | 1 | Autocenter_f32 | | |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | | |
| Autocenter_f32 | 1 | Autocenter_f32 | | |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | | |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | | |
| | | ' | | |



| | 1 | | |
|---------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------|-------|
| Name | Input Value | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 25532 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 27401 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 2345892860 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 3589476707 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -157.490005 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 6.42000014e-005 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1600 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000845999981 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | | |
| VehDyn AutoCntrLoSpd M str.Filter2Initialized Cnt Igc | 1 | | |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 0 | | |
| VehDyn ForceCenterOffset HwDeg M f32 | -1400.31995 | | |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 | | |
| VehDyn Initialize Cnt M Igc | 1 | | |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 | | |
| VehDyn_MaxOffset_HwDeg_M_f32 | 858.374023 | | |
| VehDyn MinOffset HwDeg M f32 | -784 | | |
| | | | |
| VehDyn_PinTrqSV_M_str.SV_UIs_f32 | 13.8999996 | | |
| VehDyn_PinTrqSV_M_str.K_UIs_f32 | 0.000419999997 | | |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.573000014 | | |
| VehDyn_SLPHwPos_HwDeg_M_f32 | -583.669983 | | |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 3437401088 | | |
| k_HiSpdVDAuthority_Uls_f32 | 1 | | |
| k_HwTqMgnThd_HwNm_f32 | 5.44999981 | | |
| k_LoSpdVDAuthority_Uls_f32 | 0.5 | | |
| k_SrlHwAgVldTiThd_mS_u32 | 65 | | |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 53.5 | | |
| k_TravelXCDeadband_Uls_f32 | 68.2699966 | | |
| k_TravelXCHwAuthority_UIs_f32 | 0.135450006 | | |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 2242866176 | | |
| target_GetSystemTime_mS_u32_CurrentTime | 309385728 | | |
| target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedT | 824746752 | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f32 | 2 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_VehDyn_Per1_RelHwPos_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_U | | |
| | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_Hv | vDeg_132 | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAgVld_Cnt_lgc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_MtrN | _ | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc | target_VehDyn_Per1_VehicleSpeedValid_C | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph_f3 | 32 | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -824 | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 1427.65002 | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | 5.5999999 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | 159.410004 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | -1454.77002 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 1 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | -583.669983 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | 5.5999999 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 0 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 156.960007 | | |
| Name | Actual Value | Expected Value | Resul |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 | 1 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 2345892860 | 2345892860 | |
| | | 3589476707 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 3589476707 | | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1454.77002 1454.77002 | -1454.77002 ± 0.009 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1454.77002 | -1454.77002 ± 0.009 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | • |
| | 0 | 0 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | | | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 309385728 | 309385728 | |
| | | 309385728 3589476707 | |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 309385728 | | • |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 309385728 3589476707 | 3589476707 | |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 309385728 3589476707 -1454.77002 | 3589476707 -1454.77002 ± 0.009 | • |



| Name | Actual Value | Expected Value | Result |
|-----------------------------------------------------------------|--------------|----------------------|----------|
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 309385728 | 309385728 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 3589476707 | 3589476707 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -157.490005 | -157.490005 ± 0.0009 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1600 | -1600 ± 0.009 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 | 0 | ~ |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 | 0 | ✓ |
| VehDyn_MaxOffset_HwDeg_M_f32 | 858.374023 | 858.374023 | ~ |
| VehDyn_MinOffset_HwDeg_M_f32 | 630.77002 | 630.77002 | ✓ |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 13.8965578 | 13.8965578 ± 0.00009 | ~ |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 3437401088 | 3437401088 | ~ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 0.5 | 0.5 ± 0.004 | ~ |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | 145.22998 | 145.229996 ± 0.1 | ~ |

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|----------------------------------------------------|-------|----------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | ✓ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |

| Nome | Innut Value |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|
| Name | Input Value |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| GetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 44.4000015 |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 166.399994 |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 4.4000001 |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 12.3999996 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 5235 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 27074 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 3174948758 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 4290967295 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 731.700012 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000855999999 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 731.700012 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000855999999 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 96 |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 186.399994 |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 7 |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 88.1999969 |
| /ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 26195 |
| /ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 22037 |
| /ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 3174948758 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 4290967295 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 731.700012 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000644000014 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 731.700012 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000280000007 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| VehDyn AutoCntrHiSpd M str.Filter2Initialized Cnt Igc | 1 |



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| Name | Input Value | | |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 88.3000031 | | |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 236.300003 | | |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 4.30000019 | | |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 97.3000031 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 7034 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 39056 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 3174948758 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 4290967295 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDog_str.SV_Uls_f32 | 731.700012 6.3999998e-005 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1600 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000855999999 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | | |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 0 | | |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | -900.77002 | | |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 | | |
| VehDyn_Initialize_Cnt_M_lgc | 0 | | |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 | | |
| VehDyn_MaxOffset_HwDeg_M_f32 | 883.333984 | | |
| VehDyn_MinOffset_HwDeg_M_f32 | -750.702026 | | |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 7.5999999 | | |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000425000006 | | |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.657999992 -532.369995 | | |
| VehDyn_SLPHwPos_HwDeg_M_f32 VehDyn_SrlHwAgVldTimer_mS_M_u32 | 4243378688 | | |
| k_HiSpdVDAuthority_Uls_f32 | 1 | | |
| k_HwTqMgnThd_HwNm_f32 | 5.25 | | |
| k_LoSpdVDAuthority_Uls_f32 | 0 | | |
| k_SrlHwAgVldTiThd_mS_u32 | 701 | | |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 78.3000031 | | |
| k_TravelXCDeadband_Uls_f32 | 63.1199989 | | |
| k_TravelXCHwAuthority_Uls_f32 | 0.141574994 | | |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 3345084416 | | |
| target_GetSystemTime_mS_u32_CurrentTime | 1736795392 | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed | Ti 1117112832 | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ | e 4243378688 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_ | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm | _ | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_MotorVelCRF_Mtrl target_VehDyn_Per1_RelHwPos_HwDeg | | |
| target_Rte_Inst_Ap_venDyn.VenDyn_Fen_ReinwFos_nwDeg_is2 target_Rte_Inst_Ap_venDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthori | - | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos | | |
| target Rte Inst Ap VehDyn.VehDyn Per1 SrlHwAgVld Cnt Igc | target_VehDyn_Per1_SrlHwAgVld_Cnt_I | | |
| target Rte Inst Ap VehDyn.VehDyn Per1 SrlHwAg HwDeg f32 | target VehDyn Per1 SrlHwAg HwDeg | | |
| target Rte Inst Ap VehDyn.VehDyn Per1 TorqueCmdCRF MtrNm f32 | target_VehDyn_Per1_TorqueCmdCRF_N | | |
| target Rte Inst Ap VehDyn.VehDyn Per1 VehicleSpeedValid Cnt Igc | target_VehDyn_Per1_VehicleSpeedValid | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph | | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -793.369995 | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 1399.80505 | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | 6.5999999 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | -759 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | 731.700012 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 0 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | -532.369995 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | 8.19999981 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc.value | 0 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 354.98999 | F 111 | |
| Name Validities Alleged Listed Certer Cert. M. Jaco | Actual Value | Expected Value | Resu |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 3174048758 | 3174048758 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 3174948758 | 3174948758 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 4290967295 731.700012 | 4290967295 731.700012 ± 0.0009 | |
| VenDyn_AutoCntrDetSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.Sv_Uis_f32 | 731.700012 | 731.700012 ± 0.0009 | |
| VenDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 731.700012 ± 0.0009 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 1736795392 | 1736795392 | |
| VehDyn AutoCntrHiSpd M str.Timer2 mS u32 | 4290967295 | 4290967295 | |

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| Name | Actual Value | Expected Value | Result |
|-----------------------------------------------------------------|--------------|-----------------------|----------|
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 731.700012 | 731.700012 ± 0.0009 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 731.700012 | 731.700012 ± 0.0009 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | - |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 1736795392 | 1736795392 | • |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 4290967295 | 4290967295 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 731.700012 | 731.700012 ± 0.0009 | • |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1600 | 1600 ± 0.009 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | - |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 | 0 | ~ |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | - |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 | 0 | ~ |
| VehDyn_MaxOffset_HwDeg_M_f32 | 1399.80505 | 1399.80505 | • |
| VehDyn_MinOffset_HwDeg_M_f32 | -793.369995 | -793.369995 | • |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 7.59961939 | 7.59961939 ± 0.000009 | • |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 4243378688 | 4243378688 | • |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 0.657999992 | 0.657999992 ± 0.004 | ~ |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | 199.330017 | 199.330002 ± 0.1 | ~ |

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|----------------------------------------------------|-------|----------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | • |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | • |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | • |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | • |
| Rte Call VehDyn Per1 CP1 CheckpointReached | 1 | Rte Call VehDyn Per1 CP1 CheckpointReached | 1 | ~ |

| Test Step 2.108 (Repeat Count = 1) | |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|
| Name | Input Value |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| GetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_Igc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 96.0999985 |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 176.100006 |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 6.0999999 |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 53.0999985 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 29076 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 43868 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 3382212733 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 1078320779 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -968.400024 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000858000014 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -968.400024 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000858000014 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 100.199997 |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 196 |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 5.4000001 |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 75 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 43190 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 3186 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 3382212733 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 1078320779 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -968.400024 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000645999971 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -968.400024 |
| VehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32 | 0.000284000009 |



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|-----------------------------------------------------------------------|------------------------------------------|----------------------|------|
| Name | Input Value | | |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | | |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 | | |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | | |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | | |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 94.1999969 | | |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 246.199997 | | |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 6.19999981 | | |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 86.1999969 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 25532 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 27401 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 3382212733 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 1078320779 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -968.400024 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 6.42000014e-005 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 0 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000858000014 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | | |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 1 | | |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | -800.859985 | | |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 | | |
| VehDyn_Initialize_Cnt_M_lgc | 0 | | |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | | |
| VehDyn_MaxOffset_HwDeg_M_f32 | 888.325989 | | |
| VehDyn_MinOffset_HwDeg_M_f32 VehDyn_PinTrqSV_M_str.SV_UIs_f32 | -744.018005 | | |
| , , , , , , , , , , , , , , , , , , , , | 1.5 0.000426000013 | | |
| VehDyn_PinTrqSV_M_str.K_UIs_f32 | 0.675000012 | | |
| VehDyn_SLPHwAuth_UIs_M_f32 VehDyn_SLPHwPos_HwDeg_M_f32 | -522.109985 | | |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 2127166208 | | |
| k_HiSpdVDAuthority_Uls_f32 | 0 | | |
| k_HwTqMgnThd_HwNm_f32 | 1.10000002 | | |
| k_LoSpdVDAuthority_UIs_f32 | 1 | | |
| k_SrlHwAgVldTiThd_mS_u32 | 702 | | |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 96.5 | | |
| k_TraveIXCDeadband_Uls_f32 | 62.0900002 | | |
| k_TraveIXCHwAuthority_UIs_f32 | 0.142800003 | | |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 2704864000 | | |
| target_GetSystemTime_mS_u32_CurrentTime | 3437401088 | | |
| target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedT | | | |
| target Rte Call Ap VehDyn SystemTime GetSystemTime mS u32 CurrentTime | | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 | | |
| target Rte Inst Ap VehDyn.VehDyn Per1 CwEOT HwDeg f32 | target VehDyn Per1 CwEOT HwDeg f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f3: | 2 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRad | lpS_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f3 | 32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_I | Jls_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_Hv | vDeg_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_MtrN | lm_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc | target_VehDyn_Per1_VehicleSpeedValid_C | nt_lgc | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph_f3 | 32 | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -787.109985 | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 1394.23596 | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | 6.80000019 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | -897.599976 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | -968.400024 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 0 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | -522.109985 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | -8.39999962 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 1 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 452.359985 | | |
| Name | Actual Value | Expected Value | Resu |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 0 | 0 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 3437401088 | 3437401088 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 1078320779 | 1078320779 | • |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -968.400024 | -968.400024 ± 0.0009 | • |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -968.400024 | -968.400024 ± 0.0009 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | |
| | | | |



| Name | Actual Value | Expected Value | Result |
|-----------------------------------------------------------------|--------------|-----------------------|--------|
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 3382212733 | 3382212733 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 1078320779 | 1078320779 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -968.400024 | -968.400024 ± 0.0009 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -968.400024 | -968.400024 ± 0.0009 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 3382212733 | 3382212733 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 1078320779 | 1078320779 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -968.400024 | -968.400024 ± 0.0009 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 0 | 0 ± 0.000009 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_MaxOffset_HwDeg_M_f32 | 1394.23596 | 1394.23596 | ~ |
| VehDyn_MinOffset_HwDeg_M_f32 | -787.109985 | -787.109985 | ~ |
| VehDyn_PinTrqSV_M_str.SV_UIs_f32 | 1.50222075 | 1.50222075 ± 0.000009 | ~ |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 2127166208 | 2127166208 | ~ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 1 | 1 ± 0.004 | ~ |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | -167.540039 | -167.539993 ± 0.1 | ~ |

| Τ | | | | ✓ |
|----------------------------------------------------|-------|----------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | • |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | • |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |

| lame | Input Value |
|-------------------------------------------------------------------|--------------------------------------------------------------------------|
| trmnElapsedTime_mS_u32(ElapsedTime) | target DtrmnElapsedTime mS u32 ElapsedTime |
| setSystemTime mS u32(CurrentTime) | target GetSystemTime mS u32 CurrentTime |
| te Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32(ElapsedTime) | target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedTime |
| tte Call Ap VehDyn SystemTime GetSystemTime mS u32(CurrentTime) | target Rte Call Ap VehDyn SystemTime GetSystemTime mS u32 CurrentTime |
| tte Inst Ap VehDyn | target Rte Inst Ap VehDyn |
| ehDyn AllowHiSpdAutoCntr Cnt M Igc | 1 |
| ehDyn AutoCntrDetSpd M str.MtrVel MtrRadpS f32 | 100.300003 |
| ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 186.300003 |
| ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 14.3000002 |
| ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 86.3000031 |
| ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 32821 |
| ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 53946 |
| ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 3589476707 |
| ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 2138628886 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 49.4199982 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000859999971 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 49.4199982 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000859999971 |
| ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 124 |
| ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 206.199997 |
| ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 3 |
| ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 97.4000015 |
| ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 30404 |
| ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 30349 |
| ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 3589476707 |
| ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 2138628886 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 49.4199982 |



| Name | Input Value | | |
|-----------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|-------------------------------|----------|
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 49.4199982 | | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.00028800001 | | |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1 | | |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 | | |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | | |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_Igc | 1 | | |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 126.300003 | | |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 123.300003 | | |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 14.3000002 | | |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 42.2999992 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 12258 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 36416 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 3589476707 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 2138628886 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 49.4199982 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 6.44000029e-005 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 448.5 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000859999971 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | | |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 0 | | |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | -700.950012 | | |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 | | |
| VehDyn_Initialize_Cnt_M_lgc | 1 | | |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 | | |
| VehDyn_MaxOffset_HwDeg_M_f32 | 893.317993 | | |
| VehDyn_MinOffset_HwDeg_M_f32 | -737.333984 | | |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | -1.60000002 | | |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000426999992 | | |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.691999972 | | |
| VehDyn_SLPHwPos_HwDeg_M_f32 | -511.850006 | | |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 4243378688 | | |
| k_HiSpdVDAuthority_UIs_f32 | 1 | | |
| k_HwTqMgnThd_HwNm_f32 | 1.20000005 | | |
| k_LoSpdVDAuthority_UIs_f32 | 0 | | |
| k_SrlHwAgVldTiThd_mS_u32 | 703 | | |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 32.099985 | | |
| k_TravelXCDeadband_Uls_f32 | 61.0600014 | | |
| k_TravelXCHwAuthority_UIs_f32 | 0.144024998 | | |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 662694400 | | |
| target_GetSystemTime_mS_u32_CurrentTime | 3494315776 | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedT | | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime | 2 4243378688 target VehDyn Per1 CcwEOT HwDeg f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRad | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f3 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessAuthority_L | | |
| | target_VehDyn_Per1_SensorlessHwPos_Hw target VehDyn Per1 SrlHwAgVld Cnt lgc | IDEG_ISZ | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAgVld_Cnt_Igc | target_VenDyn_Per1_SriHwAgVid_Cnt_igc target_VehDyn_Per1_SriHwAg_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAg_HwDeg_f32 | | lm f32 | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_MtrN | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc | target_VehDyn_Per1_VehicleSpeedValid_Cr | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph_f3 | ۷ | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -780.849976 1399.66600 | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 1388.66699 | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | 7 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | -835.98999 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | 49.4199982 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | -511.850006 4.9000001 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | 4.9000001 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 0 | | |
| torret VehDun Derd VehieleCoord VehicleCoording | 0 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 423.769989 | F and Mal | D |
| Name | 423.769989 Actual Value | Expected Value | Result |
| Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 423.769989 Actual Value 1 | 1 | • |
| Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 423.769989 Actual Value 1 3589476707 | 1 3589476707 | Result |
| Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 423.769989 Actual Value 1 3589476707 2138628886 | 1 3589476707 2138628886 | • |
| Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 423.769989 Actual Value 1 3589476707 | 1 3589476707 | · |



| Name | Actual Value | Expected Value | Result |
|-----------------------------------------------------------------|--------------|------------------------|----------|
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 3494315776 | 3494315776 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 2138628886 | 2138628886 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 49.4199982 | 49.4199982 ± 0.00009 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 49.4199982 | 49.4199982 ± 0.00009 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 3494315776 | 3494315776 | ✓ |
| | 2138628886 | 2138628886 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 49.4199982 | 49.4199982 ± 0.00009 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 448.5 | 448.5 ± 0.0009 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 | 0 | ✓ |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | ✓ |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 | 0 | ✓ |
| VehDyn_MaxOffset_HwDeg_M_f32 | 893.317993 | 893.317993 | ✓ |
| VehDyn_MinOffset_HwDeg_M_f32 | -737.333984 | -737.333984 | ✓ |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | -1.59626269 | -1.59626257 ± 0.000009 | ✓ |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 4243378688 | 4243378688 | ~ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 0.691999972 | 0.691999972 ± 0.004 | ✓ |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | -462.429993 | -462.429993 ± 0.1 | ✓ |
| | | | |



| Name | Input Value | | |
|-----------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|----------------|-------|
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 3796740682 | | |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 2345892860 | | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -559.150024 | | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000650000002 | | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -559.150024 | | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000292000012 | | |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | | |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 | | |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | | |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | | |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 124.5 | | |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 125.5 | | |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 18.5 | | |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 12.5 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 34738 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 36612 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 3796740682 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 2345892860 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -559.150024 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 6.45999971e-005 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -157.490005 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000861999986 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | | |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 0 | | |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | -601.039978 | | |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 | | |
| VehDyn_Initialize_Cnt_M_lgc | 1 | | |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | | |
| VehDyn_MaxOffset_HwDeg_M_f32 | -898.309998 | | |
| VehDyn_MinOffset_HwDeg_M_f32 | -730.650024 | | |
| VehDyn_PinTrqSV_M_str.SV_UIs_f32 | -14.8000002 | | |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000427999999 | | |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.708999991 | | |
| VehDyn_SLPHwPos_HwDeg_M_f32 | -501.589996 | | |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 1050692864 | | |
| k_HiSpdVDAuthority_UIs_f32 | 0 | | |
| k_HwTqMgnThd_HwNm_f32 | 6.5 | | |
| k_LoSpdVDAuthority_UIs_f32 | 1 | | |
| k_SrlHwAgVldTiThd_mS_u32 | 9000 | | |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 52.400015 | | |
| k_TravelXCDeadband_Uls_f32 | 60.0299988 | | |
| k_TraveIXCHwAuthority_UIs_f32 | 0.145249993 | | |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 2303132928 | | |
| target_GetSystemTime_mS_u32_CurrentTime | 463842816 | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedT | | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime | | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 target_VehDyn_Per1_HwTorque_HwNm_f32 | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_HwTorque_HwNm_f32 | | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRad | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f3: | | |
| target_Rte_inst_Ap_venDyn_VenDyn_Peri_SensoriessAuthority_Uis_132 target_Rte_inst_Ap_venDyn_VenDyn_Peri_SensoriessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessAuthority_U | | |
| · · · · · · · · · · · · · · · · · · · | target_VehDyn_Per1_SensorlessHwPos_Hw | DC9_102 | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAgVld_Cnt_Igc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc target_VehDyn_Per1_SrlHwAg_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAg_HwDeg_f32 | | m f32 | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_MtrN target_VehDyn_Per1_VehicleSpeedValid_Cr | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VenDyn_Per1_VenicleSpeed_VenDyn_Per1_VenicleSpeed_Kph_f3; | | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -774.590027 | _ | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 1383.09802 | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | 7.19999981 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | -456 | | |
| target_VehDyn_Per1_MotorVelCRF_intrRadpS_f32.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | -456 -559.150024 | | |
| ~ - , | 1 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | -501.589996 5.5000000 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 5.5999999 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 62.1100006 | | |
| | | Evacated Value | Desci |
| Name VahDun AlloudiSadAutaCatr Cat M Ida | Actual Value | Expected Value | Resul |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 0 | 0 | |



| Name | Actual Value | Expected Value | Result |
|------------------------------------------------------------------|--------------|-----------------------|----------|
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 463842816 | 463842816 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 2345892860 | 2345892860 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -559.150024 | -559.150024 ± 0.0009 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -559.150024 | -559.150024 ± 0.0009 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 3796740682 | 3796740682 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 2345892860 | 2345892860 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -559.150024 | -559.150024 ± 0.0009 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -559.150024 | -559.150024 ± 0.0009 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 3796740682 | 3796740682 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 2345892860 | 2345892860 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -559.150024 | -559.150024 ± 0.0009 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -157.490005 | -157.490005 ± 0.0009 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 | 1 | ✓ |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | ✓ |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | 1 | ✓ |
| VehDyn_MaxOffset_HwDeg_M_f32 | -898.309998 | -898.309998 | ✓ |
| VehDyn_MinOffset_HwDeg_M_f32 | -215.440002 | -215.440002 | ✓ |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | -14.7905388 | -14.7905378 ± 0.00009 | ✓ |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 1050692864 | 1050692864 | ✓ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 0.708999991 | 0.708999991 ± 0.004 | ✓ |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | -1060.73999 | -1060.73999 ± 0.1 | ✓ |

| Τ | | | | V |
|----------------------------------------------------|-------|----------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | ✓ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |

| Test Step 2.111 (Repeat Count = 1) | ✓ |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|
| Name | Input Value |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| GetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 66.0999985 |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 176.100006 |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 2.0999999 |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 10.1000004 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 53970 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 52282 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 4004004656 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 2553156835 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 933.469971 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000867999974 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 933.469971 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000867999974 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 88.1999969 |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 156.5 |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 2.20000005 |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 42 |



| Name | Input Value |
|-------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 16683 |
| | 22497 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 4004004656 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 2553156835 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 933.469971 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000652000017 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 933.469971 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000296000013 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 456.399994 |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 32.4000015 |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 16.3999996 |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 53.4000015 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 37799 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 41632 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 4004004656 |
| VehDyn AutoCntrLoSpd M str.Timer2 mS u32 | 2553156835 |
| | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 933.469971 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 6.4799987e-005 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 933.469971 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 2.51327106e-006 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 1 |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | -501.130005 |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 |
| VehDyn Initialize Cnt M Igc | 0 |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 |
| VehDyn MaxOffset HwDeg M f32 | -903.302002 |
| VehDyn_MinOffset_HwDeg_M_f32 | -723.966003 |
| VehDyn_PinTrqSV_M_str.SV_UIs_f32 | 17.7999992 |
| | 0.000429000007 |
| VehDyn_PinTrqSV_M_str.K_UIs_f32 | |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.726000011 |
| VehDyn_SLPHwPos_HwDeg_M_f32 | -491.329987 |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 3039943680 |
| k_HiSpdVDAuthority_Uls_f32 | 1 |
| k_HwTqMgnThd_HwNm_f32 | 0.00120000006 |
| k_LoSpdVDAuthority_UIs_f32 | 0 |
| k_SrlHwAgVldTiThd_mS_u32 | 1000 |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 10.1000004 |
| k_TravelXCDeadband_Uls_f32 | 59 |
| k_TravelXCHwAuthority_Uls_f32 | 0.146475002 |
| target DtrmnElapsedTime mS u32 ElapsedTime | 4129141760 |
| target_GetSystemTime_mS_u32_CurrentTime | 1759885568 |
| target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedT | |
| target Rte Call Ap VehDyn SystemTime GetSystemTime mS u32 CurrentTime | |
| target_Rte_Call_Ap_venDyn_SystemTime_GetSystemTime_InS_us2_CurrentTime target_Rte_Inst_Ap_venDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 |
| target_Rte_Inst_Ap_venDyn.VenDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 |
| | target VehDyn Per1 HwTorque HwNm f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_Uls_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc | target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph_f32 |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -768.330017 |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 1377.52905 |
| target VehDyn Per1 HwTorque HwNm f32.value | 7.400001 |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | 114.599998 |
| target_venDyn_ren_motorverCkr_mitradps_rsz.value | 933.469971 |
| | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 0 |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | -491.329987 |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | -8 |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 0 |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 123.75 |
| | |



| Name | Actual Value | Expected Value | Result |
|------------------------------------------------------------------|--------------|----------------------|----------|
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 4004004656 | 4004004656 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 2553156835 | 2553156835 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 933.469971 | 933.469971 ± 0.0009 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 933.469971 | 933.469971 ± 0.0009 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 1759885568 | 1759885568 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 2553156835 | 2553156835 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 933.469971 | 933.469971 ± 0.0009 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 933.469971 | 933.469971 ± 0.0009 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 1759885568 | 1759885568 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 2553156835 | 2553156835 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 933.469971 | 933.469971 ± 0.0009 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 933.469971 | 933.469971 ± 0.0009 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 | 0 | ✓ |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 | 0 | ✓ |
| VehDyn_MaxOffset_HwDeg_M_f32 | 1377.52905 | 1377.52905 | ~ |
| VehDyn_MinOffset_HwDeg_M_f32 | -768.330017 | -768.330017 | ✓ |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 17.7951984 | 17.7951984 ± 0.00009 | ✓ |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 3039943680 | 3039943680 | ✓ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 1 | 1 ± 0.004 | ✓ |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | 1434.59998 | 1434.59998 ± 0.1 | ✓ |

| Т | | | | V |
|----------------------------------------------------|-------|----------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ✓ |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |

| Test Step 2.112 (Repeat Count = 1) | √ |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|
| Name | Input Value |
| | • |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| GetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 34.2999992 |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 186.300003 |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 4.30000019 |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 25.2999992 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 20423 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 31368 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 4211268631 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 2760420809 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1144.59998 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000869999989 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1144.59998 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000869999989 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 94.5 |



| Name | Input Value |
|----------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 166 |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 4 |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 12.1999998 |
| VehDyn AutoCntrHiSpd M str.Timer1Thresh mS u16 | 5235 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 27074 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 4211268631 |
| VehDyn AutoCntrHiSpd M str.Timer2 mS u32 | 2760420809 |
| , - , | -1144.59998 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000653999974 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1144.59998 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000300000014 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 566.5 |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 124.5 |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 18.5 |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 86.5 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 8366 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 51002 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 4211268631 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 2760420809 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1144.59998 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 6.50000002e-005 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1144.59998 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.00125584786 |
| VehDyn AutoCntrLoSpd M str.Filter1Enable Cnt lgc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 1 |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | -401.220001 |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | |
| VehDyn_Initialize_Cnt_M_lgc | 0 |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 |
| VehDyn_MaxOffset_HwDeg_M_f32 | 908.294006 |
| VehDyn_MinOffset_HwDeg_M_f32 | -717.281982 |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | -7 |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000429999985 |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.742999971 |
| VehDyn_SLPHwPos_HwDeg_M_f32 | -481.070007 |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 1316564736 |
| k_HiSpdVDAuthority_Uls_f32 | 0.100000001 |
| k_HwTqMgnThd_HwNm_f32 | 1.10000002 |
| k_LoSpdVDAuthority_Uls_f32 | 1 |
| k_SrlHwAgVldTiThd_mS_u32 | 20045 |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 25.2999992 |
| k TravelXCDeadband Uls f32 | 57.9700012 |
| k TravelXCHwAuthority Uls f32 | 0.147699997 |
| target DtrmnElapsedTime mS u32 ElapsedTime | 2836768512 |
| target_GetSystemTime_mS_u32_CurrentTime | 1662097408 |
| target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedT | |
| target Rte Call Ap VehDyn SystemTime GetSystemTime mS u32 CurrentTime | |
| target_Rte_Call_Ap_VehDyn_System** line_GetSystem** line_ins_usz_current** line target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 |
| target Rte Inst Ap VehDyn.VehDyn Per1 CwEOT_HwDeg_132 | target VehDyn Per1 CwEOT HwDeg 132 |
| | 0 - 7 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_Uls_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAgVld_Cnt_lgc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc | target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph_f32 |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -762.070007 |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 1371.95996 |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | 7.5999999 |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | 1023.09998 |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | -1144.59998 |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 0 |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | -481.070007 |
| angon_vonDyn_rorr_onrm/ng_riwDog_loz.value | 10 1101 0001 |



| Name | Input Value | | |
|------------------------------------------------------------------|--------------|-----------------------|----------|
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | 7.80000019 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 1 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 56.6599998 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 | 1 | • |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 4211268631 | 4211268631 | • |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 2760420809 | 2760420809 | → |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1144.59998 | -1144.59998 ± 0.009 | - |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1144.59998 | -1144.59998 ± 0.009 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | - |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 1662097408 | 1662097408 | • |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 2760420809 | 2760420809 | - |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1144.59998 | -1144.59998 ± 0.009 | • |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1144.59998 | -1144.59998 ± 0.009 | - |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | - |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | - |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 4211268631 | 4211268631 | • |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 2760420809 | 2760420809 | - |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1144.59998 | -1144.59998 ± 0.009 | • |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1144.59998 | -1144.59998 ± 0.009 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | - |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 | 1 | • |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | - |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | 1 | - |
| VehDyn_MaxOffset_HwDeg_M_f32 | 1371.95996 | 1371.95996 | - |
| VehDyn_MinOffset_HwDeg_M_f32 | -762.070007 | -762.070007 | • |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | -6.9935894 | -6.9935894 ± 0.000009 | • |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 1316564736 | 1316564736 | • |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 0.100000001 | 0.100000001 ± 0.004 | → |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | 0 | 0 ± 0.1 | • |

| Т | | | | ✓ |
|----------------------------------------------------|-------|----------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |

| Test Step 2.113 (Repeat Count = 1) | ✓ |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|
| Name | Input Value |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| GetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 498.100006 |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 156.100006 |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 3.0999999 |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 52.0999985 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 21335 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 34188 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 2553156835 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 4290967295 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 91.0800018 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000872000004 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 91.0800018 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000872000004 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |



| | (** ** ** ** *** |
|-----------------------------------------------------------------------|------------------------------------------------|
| Name | Input Value |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 66 |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 18 |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 10.1999998 |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 88 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 30404 |
| VehDyn AutoCntrHiSpd M str.Timer2Thresh mS u16 | 30349 |
| | 2553156835 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 4290967295 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 91.0800018 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.00065599989 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 91.0800018 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000303999986 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 66.4000015 |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 116.400002 |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 10.3999996 |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 54.4000015 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 53759 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 18715 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 2553156835 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 4290967295 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 91.0800018 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 6.52000017e-005 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 91.0800018 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000566000002 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| VehDyn ForceCenterEnabled Cnt M lgc | 1 |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | -301.309998 |
| | 0 |
| VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn Initialize Cnt M lgc | 1 |
| , | |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 |
| VehDyn_MaxOffset_HwDeg_M_f32 | 913.286011 |
| VehDyn_MinOffset_HwDeg_M_f32 | -710.598022 |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | -1.60000002 |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000430999993 |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.75999999 |
| VehDyn_SLPHwPos_HwDeg_M_f32 | -470.809998 |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 2075080192 |
| k_HiSpdVDAuthority_Uls_f32 | 1 |
| k_HwTqMgnThd_HwNm_f32 | 2.0999999 |
| k_LoSpdVDAuthority_UIs_f32 | 0 |
| k_SrlHwAgVldTiThd_mS_u32 | 951 |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 75.5 |
| k_TravelXCDeadband_Uls_f32 | 56.9399986 |
| k_TravelXCHwAuthority_Uls_f32 | 0.148925006 |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 3714197504 |
| target_GetSystemTime_mS_u32_CurrentTime | 2075080192 |
| target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedT | |
| target Rte Call Ap VehDyn SystemTime GetSystemTime mS u32 CurrentTime | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 |
| target Rte Inst Ap VehDyn.VehDyn Per1 CwEOT HwDeg f32 | target VehDyn Per1 CwEOT HwDeg f32 |
| target_rte_inst_Ap_vehbyn.vehbyn_Per1_HwTorque_HwNm_f32 | target VehDyn Per1 HwTorque HwNm f32 |
| target Rte Inst Ap VehDyn.VehDyn Per1 MotorVelCRF MtrRadpS f32 | target VehDyn Per1 MotorVelCRF MtrRadpS f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f32 |
| | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_Uls_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc | target_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph_f32 |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -755.809998 |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 1366.39099 |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | 7.80000019 |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | -759 |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | 91.0800018 |
| | |



| Name | Input Value | | |
|------------------------------------------------------------------|--------------|-----------------------|----------|
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 1 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | -470.809998 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | -4.9000001 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 0 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 230.110001 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 2553156835 | 2553156835 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 4290967295 | 4290967295 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 91.0800018 | 91.0800018 ± 0.00009 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 91.0800018 | 91.0800018 ± 0.00009 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 2075080192 | 2075080192 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 4290967295 | 4290967295 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 91.0800018 | 91.0800018 ± 0.00009 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 91.0800018 | 91.0800018 ± 0.00009 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 2075080192 | 2075080192 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 4290967295 | 4290967295 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 91.0800018 | 91.0800018 ± 0.00009 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 91.0800018 | 91.0800018 ± 0.0009 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 | 0 | ~ |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 | 0 | ~ |
| VehDyn_MaxOffset_HwDeg_M_f32 | 913.286011 | 913.286011 | ~ |
| VehDyn_MinOffset_HwDeg_M_f32 | -710.598022 | -710.598022 | ~ |
| VehDyn_PinTrqSV_M_str.SV_UIs_f32 | -1.59597659 | -1.59597659 ± 0.00009 | ~ |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 2075080192 | 2075080192 | ~ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 1 | 1 ± 0.004 | ~ |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | 392.390015 | 392.390015 ± 0.1 | ~ |

| T . | | | | V |
|----------------------------------------------------|-------|----------------------------------------------------|-------|--------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | • |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | • |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |

| Test Step 2.114 (Repeat Count = 1) | | | |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|--|--|
| Name | Input Value | | |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime | | |
| GetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime | | |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime | | |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime | | |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn | | |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 | | |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 2.5 | | |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 196.5 | | |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 6.5 | | |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 86.5 | | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 7034 | | |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 39056 | | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 2345892860 | | |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 2553156835 | | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1576.71997 | | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000874000019 | | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1576.71997 | | |



| Name | Input Value |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000874000019 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 126.199997 |
| VehDyn_AutoChtrHiSpd_M_str.VehSpd_kph_f32 | 176.5 |
| | 6 |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 53.2000008 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 29076 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 43868 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 1024 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 2967684784 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1576.71997 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000658000004 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1576.71997 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000307999988 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 600.200012 |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 84.1999969 |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 8.19999981 |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 96.1999969 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 3658 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 5853 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 2967684784 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1576.71997 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 6.54000032e-005 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1576.71997 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000858000014 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_Igc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 0 |
| VehDyn_ForceCenterEnlabled_Crit_W_igc VehDyn_ForceCenterOffset_HwDeg_M_f32 | -201.399994 |
| | 0 |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 |
| VehDyn_Initialize_Cnt_M_lgc | |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 |
| VehDyn_MaxOffset_HwDeg_M_f32 | -918.278015 |
| VehDyn_MinOffset_HwDeg_M_f32 | -703.914001 |
| VehDyn_PinTrqSV_M_str.SV_UIs_f32 | 6.30000019 |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000432000001 |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.77700001 |
| VehDyn_SLPHwPos_HwDeg_M_f32 | -460.549988 |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 954802432 |
| k_HiSpdVDAuthority_Uls_f32 | 1 |
| k_HwTqMgnThd_HwNm_f32 | 3.0999999 |
| LoSpdVDAuthority_Uls_f32 | 0 |
| c_SrlHwAgVldTiThd_mS_u32 | 4856 |
| <_SysKinRatio_MtrDegpHwDeg_f32 | 86.0999985 |
| <pre><_TravelXCDeadband_Uls_f32</pre> | 55.9099998 |
| k_TravelXCHwAuthority_Uls_f32 | 0.150150001 |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 2478427648 |
| arget_GetSystemTime_mS_u32_CurrentTime | 2127166208 |
| rarget_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_ | |
| arget Rte Call Ap VehDyn SystemTime GetSystemTime mS u32 CurrentTime | |
| arget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 |
| rarget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 |
| rarget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f32 |
| rarget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 |
| | |
| rarget_Rte_Inst_Ap_VehDyn_VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_Uls_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 |
| | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc | target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_VehDyn_Per1_VehicleSpeed_Kph_f32 -749.549988 |



| Name | Input Value | | |
|------------------------------------------------------------------|--------------|-----------------------|----------|
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 1360.82202 | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | 8 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | -147.880005 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | 1576.71997 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 1 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | -460.549988 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | 3.20000005 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 0 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 42.4500008 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 2345892860 | 2345892860 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 2553156835 | 2553156835 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1576.71997 | 1576.71997 ± 0.009 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1576.71997 | 1576.71997 ± 0.009 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 2127166208 | 2127166208 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 2967684784 | 2967684784 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1576.71997 | 1576.71997 ± 0.009 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1576.71997 | 1576.71997 ± 0.009 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn AutoCntrHiSpd M str.Filter1Initialized Cnt Igc | 0 | 0 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 2127166208 | 2127166208 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 2967684784 | 2967684784 | ✓ |
| VehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32 | 1576.71997 | 1576.71997 ± 0.009 | ✓ |
| VehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32 | 1576.71997 | 1576.71997 ± 0.009 | ✓ |
| VehDyn AutoCntrLoSpd M str.Filter1Enable Cnt lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn AutoCntrLoSpd M str.Filter2Initialized Cnt Igc | 0 | 0 | |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 | 0 | ✓ |
| VehDyn Initialize Cnt M Igc | 1 | 1 | ~ |
| VehDyn LoSpdLearnt Cnt M Igc | 0 | 0 | _ |
| VehDyn_MaxOffset_HwDeg_M_f32 | -918.278015 | -918.278015 | ~ |
| VehDyn_MinOffset_HwDeg_M_f32 | -703.914001 | -703.914001 | _ |
| VehDyn_PinTrqSV_M_str.SV_UIs_f32 | 6.30075073 | 6.30075026 ± 0.000009 | _ |
| VehDyn SrlHwAgVldTimer mS M u32 | 954802432 | 954802432 | ✓ |
| target VehDyn Per1 SensorlessAuthority Uls f32.value | 0.77700001 | 0.77700001 ± 0.004 | _ |
| target VehDyn Per1 SensorlessHwPos HwDeg f32.value | 1116.16992 | 1116.17004 ± 0.1 | ✓ |

| Τ | | | | |
|----------------------------------------------------|-------|----------------------------------------------------|-------|--------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | • |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | • |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | • |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | • |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | • |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |

| Test Step 2.115 (Repeat Count = 1) | | | |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|--|--|
| Name | Input Value | | |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime | | |
| GetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime | | |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime | | |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime | | |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn | | |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 0 | | |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 120.199997 | | |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 206.199997 | | |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 8.19999981 | | |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 56.2000008 | | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 25532 | | |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 27401 | | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 2553156835 | | |



| Name | Input Value |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 2760420809 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1347.40002 |
| VehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32 | 0.000859999971 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1347.40002 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000859999971 |
| | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 124 |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 186 |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 14.5 |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 86 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 32821 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 53946 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 54822322 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 3174948758 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1347.40002 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.00066000002 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1347.40002 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000311999989 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| VehDyn AutoCntrHiSpd M str.Filter1Initialized Cnt Igc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 10.3999996 |
| VehDyn AutoCntrLoSpd M str.VehSpd kph f32 | 64.400015 |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 4.4000001 |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 45.4000015 |
| | |
| VehDyn_AutoCntrl_oSpd_M_str.Timer1Thresh_mS_u16 | 29076 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 43868 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 4294967295 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 3174948758 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1347.40002 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 6.55999975e-005 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1347.40002 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000859999971 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 1 |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | -101.489998 |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 |
| VehDyn_Initialize_Cnt_M_lgc | 0 |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 |
| VehDyn_MaxOffset_HwDeg_M_f32 | 923.27002 |
| VehDyn MinOffset HwDeg M f32 | -697.22998 |
| VehDyn_PinTrqSV_M_str.SV_UIs_f32 | 15.1999998 |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000433000008 |
| VehDyn SLPHwAuth Uls M f32 | 0.79400003 |
| VehDyn_SLPHwPos_HwDeg_M_f32 | -450.290009 |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 2728878080 |
| | 0 |
| k_HiSpdVDAuthority_UIs_f32 | |
| k_HwTqMgnThd_HwNm_f32 | 4.0999999 |
| k_LoSpdVDAuthority_UIs_f32 | 1 |
| k_SrlHwAgVldTiThd_mS_u32 | 90 |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 56.099985 |
| k_TravelXCDeadband_Uls_f32 | 54.8800011 |
| k_TravelXCHwAuthority_Uls_f32 | 0.151374996 |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 4180236544 |
| target_GetSystemTime_mS_u32_CurrentTime | 4243378688 |
| $target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTi$ | Ti 2127166208 |
| $target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTim$ | e 2728878080 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_Uls_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 |
| w.goo_moc_np_vonDyn.vonDyn_r or 1_om wng_rwbeg_loz | talgat_1 alibyri_i or i_oni im/tg_i imbog_loz |



| | | • | |
|------------------------------------------------------------------|----------------------------|----------------------|----------|
| Name | Input Value | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_Torque | CmdCRF_MtrNm_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc | target_VehDyn_Per1_Vehicle | SpeedValid_Cnt_lgc | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_Vehicle | Speed_Kph_f32 | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -743.289978 | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 1355.25305 | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | 8.19999981 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | 88 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | 1347.40002 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 0 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | -450.290009 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | -5.4000001 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 1 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 52.9799995 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 0 | 0 | - |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 4243378688 | 4243378688 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 2760420809 | 2760420809 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1347.40002 | 1347.40002 ± 0.009 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1347.40002 | 1347.40002 ± 0.009 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 54822322 | 54822322 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 3174948758 | 3174948758 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1347.40002 | 1347.40002 ± 0.009 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1347.40002 | 1347.40002 ± 0.009 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 4294967295 | 4294967295 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 3174948758 | 3174948758 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1347.40002 | 1347.40002 ± 0.009 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1347.40002 | 1347.40002 ± 0.009 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 | 1 | ✓ |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | ✓ |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | 1 | ✓ |
| VehDyn_MaxOffset_HwDeg_M_f32 | 1355.25305 | 1355.25305 | ✓ |
| VehDyn_MinOffset_HwDeg_M_f32 | -743.289978 | -743.289978 | ✓ |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 15.1969271 | 15.1969271 ± 0.00009 | • |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 2728878080 | 2728878080 | • |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 1 | 1 ± 0.004 | ~ |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | 1448.89001 | 1448.89001 ± 0.1 | ✓ |

| T | | | | |
|----------------------------------------------------|-------|----------------------------------------------------|-------|--------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |

| Test Step 2.116 (Repeat Count = 1) | | |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|--|
| Name | Input Value | |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime | |
| GetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime | |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime | |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime | |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn | |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 | |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 66.0999985 | |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 216.100006 | |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 10.1000004 | |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 54.0999985 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 53759 | |



| Name | Input Value |
|------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 18715 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 2760420809 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 2967684784 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 355.5 |
| VehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32 | 0.000861999986 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 355.5 |
| VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32 | 0.000861999986 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| VehDyn AutoCntrDetSpd M str.Filter1Initialized Cnt Igc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| VehDyn AutoCntrHiSpd M str.MtrVel MtrRadpS f32 | 456.200012 |
| | 196.199997 |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 18.2000008 |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 96.5 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 40437 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 13059 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 109643620 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 3382212733 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 355.5 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000661999977 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 355.5 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000315999991 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 56.1199989 |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 52.1199989 |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 16.1200008 |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 78.1200027 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 32821 |
| VehDyn AutoCntrLoSpd M str.Timer2Thresh mS u16 | 53946 |
| VehDyn AutoCntrLoSpd M str.Timer1 mS u32 | 255468 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 3382212733 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 355.5 |
| VehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32 | 6.5799999e-005 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 355.5 |
| | 0.000861999986 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 1 |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | -1.58000004 |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 |
| VehDyn_Initialize_Cnt_M_lgc | 0 |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 |
| VehDyn_MaxOffset_HwDeg_M_f32 | -928.262024 |
| VehDyn_MinOffset_HwDeg_M_f32 | -690.546021 |
| VehDyn_PinTrqSV_M_str.SV_UIs_f32 | 14 |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000433999987 |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.81099999 |
| VehDyn_SLPHwPos_HwDeg_M_f32 | -440.029999 |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 824746752 |
| k HiSpdVDAuthority Uls f32 | 1 |
| k_HwTqMgnThd_HwNm_f32 | 5.0999999 |
| k LoSpdVDAuthority Uls f32 | 0 |
| k SrlHwAgVldTiThd mS u32 | 70 |
| k SysKinRatio MtrDegpHwDeg f32 | 54.4000015 |
| k_TravelXCDeadband_Uls_f32 | 53.8499985 |
| k_TraveIXCHwAuthority_Uls_f32 | 0.152600005 |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 3368466432 |
| target_GetSystemTime_mS_u32_CurrentTime | 1050692864 |
| | |
| target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedT | |
| target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 |
| target Rte Inst Ap VehDyn.VehDyn Per1 CwEOT HwDeg f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 |
| | target_VehDyn_Per1_HwTorque_HwNm_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 |
| · · · · · · · · · · - · · - · · - · · · · · · · · · · · · · · · · · · · · | target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_VehDyn_Per1_RelHwPos_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | |



| Name | Input Value | | | | |
|------------------------------------------------------------------|----------------------------------------------|-------------------------------------------|----------|--|--|
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc | target_VehDyn_Per1_SrlHwAgVld_e | Cnt_lgc | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target VehDyn Per1 SrlHwAg HwDeg f32 | | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdC | target VehDyn Per1 TorqueCmdCRF MtrNm f32 | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc | target VehDyn Per1 VehicleSpeedValid Cnt Igc | | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed | I_Kph_f32 | | | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -737.030029 | | | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 1349.68396 | | | | |
| target VehDyn Per1 HwTorque HwNm f32.value | 8.39999962 | | | | |
| target VehDyn Per1 MotorVelCRF MtrRadpS f32.value | -75.5500031 | | | | |
| target VehDyn Per1 RelHwPos HwDeg f32.value | 355.5 | | | | |
| target VehDyn Per1 SrlHwAgVld Cnt Igc.value | 0 | | | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | -440.029999 | | | | |
| target VehDyn Per1 TorqueCmdCRF MtrNm f32.value | 7.5999999 | | | | |
| target VehDyn Per1 VehicleSpeedValid Cnt Igc.value | 0 | | | | |
| target VehDyn Per1 VehicleSpeed Kph f32.value | 128.880005 | | | | |
| Name | Actual Value | Expected Value | Result | | |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 | 1 | | | |
| VehDyn AutoCntrDetSpd M str.Timer1 mS u32 | 2760420809 | 2760420809 | _ | | |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 2967684784 | 2967684784 | | | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 355.5 | 355.5 ± 0.0009 | _ | | |
| VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32 | 355.5 | 355.5 ± 0.0009 | | | |
| VehDyn AutoCntrDetSpd M str.Filter1Enable Cnt lgc | 1 | 1 | _ | | |
| VehDyn AutoCntrDetSpd M str.Filter2Enable Cnt lgc | 1 | 1 | | | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | | | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | | | |
| VehDyn AutoCntrDetSpd_M_str.Timer1 mS u32 | 1050692864 | 1050692864 | | | |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 3382212733 | 3382212733 | | | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 355.5 | 355.5 ± 0.0009 | | | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 355.5 | 355.5 ± 0.0009 | | | |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | | | |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | | | |
| VehDyn AutoCntrHiSpd M str.Filter1Initialized Cnt Igc | 0 | 0 | | | |
| VehDyn AutoCntrHiSpd M str.Filter2Initialized Cnt Igc | 1 | 1 | | | |
| · - · · | | 1050692864 | | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 1050692864 | | | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 3382212733 | 3382212733 | Ž | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 355.5 | 355.5 ± 0.0009 | | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 355.5 | 355.5 ± 0.0009 | | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ~ | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ~ | | |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 | 0 | ~ | | |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | ~ | | |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 | 0 | ~ | | |
| VehDyn_MaxOffset_HwDeg_M_f32 | 1349.68396 | 1349.68396 | | | |
| VehDyn_MinOffset_HwDeg_M_f32 | -737.030029 | -737.030029 | ~ | | |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 13.9976301 | 13.9976301 ± 0.00009 | ~ | | |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 824746752 | 824746752 | ~ | | |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 1 | 1 ± 0.004 | ~ | | |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | 357.079987 | 357.079987 ± 0.1 | ~ | | |

| Т | | | | ✓ |
|----------------------------------------------------|-------|----------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | • |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | • |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | - |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ✓ |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | • |

| Test Step 2.117 (Repeat Count = 1) | |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|
| Name | Input Value |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| GetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 34.2999992 |



| Name | Input Value |
|-----------------------------------------------------------------------|----------------------------------------------|
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 226.300003 |
| VehDyn AutoCntrDetSpd M str.FiltPinTrg HwNm f32 | 12.3000002 |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 85.3000031 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 13352 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 14442 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 3589476707 |
| VehDyn AutoCntrDetSpd M str.Timer2 mS u32 | 3796740682 |
| | 995.5 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000864000001 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 995.5 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000864000001 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 566 |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 206 |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 16 |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 45 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 2291 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 58929 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 164464918 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 3589476707 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 995.5 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000663999992 |
| VehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32 | 995.5 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000319999992 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_Igc | 86.2200012 |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 34.2200012 |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 14.2200003 |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 96.2200012 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 40437 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 13059 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 164464918 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 0 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 995.5 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 6.60000005e-005 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 995.5 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000864000001 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 1 |
| VehDyn ForceCenterOffset HwDeg M f32 | 98.3300018 |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 |
| VehDyn Initialize Cnt M Igc | 1 |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 |
| VehDyn_MaxOffset_HwDeg_M_f32 | 933.254028 |
| VehDyn MinOffset HwDeg M f32 | -683.862 |
| VenDyn_PinTrqSV_M_str.SV_Uls_f32 | 8.8999962 |
| VehDyn_PinTrqSV_M_str.Sv_Uis_i32 VehDyn_PinTrqSV_M_str.K_Uis_i32 | 0.000434999994 |
| , | |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.828000009 |
| VehDyn_SLPHwPos_HwDeg_M_f32 | -429.769989 |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 824746752 |
| k_HiSpdVDAuthority_Uls_f32 | 0 |
| k_HwTqMgnThd_HwNm_f32 | 6.099999 |
| k_LoSpdVDAuthority_UIs_f32 | 1 |
| k_SrlHwAgVldTiThd_mS_u32 | 456 |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 85.4000015 |
| k_TravelXCDeadband_Uls_f32 | 52.8199997 |
| k_TravelXCHwAuthority_Uls_f32 | 0.153825 |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 170564352 |
| target_GetSystemTime_mS_u32_CurrentTime | 3039943680 |
| target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedT | |
| target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f32 |
| goto_mot_np_vonDym.vonDym_r or r_nw rorque_nwwm_loz | augue, and me or entrologue, invitaling loss |



| Name | Input Value | | |
|-------------------------------------------------------------------|--------------------------------|-----------------------|--------|
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCR | F_MtrRadpS_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_ | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessA | Authority_Uls_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessH | HwPos_HwDeg_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc | target_VehDyn_Per1_SrlHwAgVld | Cnt_lgc | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_H | wDeg_f32 | |
| target Rte Inst Ap VehDyn.VehDyn Per1 TorqueCmdCRF MtrNm f32 | target VehDyn Per1 TorqueCmd | CRF MtrNm f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc | target_VehDyn_Per1_VehicleSpee | edValid_Cnt_lgc | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpee | ed_Kph_f32 | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -730.77002 | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 1344.11499 | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | 8.60000038 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | 154 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | 995.5 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 1 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | -429.769989 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | 1.5 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 1 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 139.330002 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 0 | 0 | • |
| VehDyn AutoCntrDetSpd M str.Timer1 mS u32 | 3039943680 | 3039943680 | • |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 3796740682 | 3796740682 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 995.5 | 995.5 ± 0.0009 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 995.5 | 995.5 ± 0.0009 | |
| VehDyn AutoCntrDetSpd M str.Filter1Enable Cnt lgc | 0 | 0 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 164464918 | 164464918 | |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 3589476707 | 3589476707 | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 995.5 | 995.5 ± 0.0009 | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 995.5 | 995.5 ± 0.0009 | |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_Igc | 1 | 1 | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_Igc | 0 | 0 | |
| VehDyn AutoCntrLoSpd M str.Timer1 mS u32 | 164464918 | 164464918 | |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 0 | 0 | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 995.5 | 995.5 ± 0.0009 | |
| VehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32 | 995.5 | 995.5 ± 0.0009 | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_Igc | 0 | 0 | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 | 1 | • |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | 1 | |
| VehDyn_MaxOffset_HwDeg_M_f32 | 348.61499 | 348.61499 | |
| VehDyn_MinOffset_HwDeg_M_f32 | -683.862 | -683.862 | |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 8.89987659 | 8.89987755 ± 0.000009 | |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 824746752 | 824746752 | • |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 1 | 1 ± 0.004 | |
| target VehDyn Per1 SensorlessHwPos HwDeg f32.value | 897.169983 | 897.169983 ± 0.1 | |

| Τ | | | | ✓ |
|----------------------------------------------------|-------|----------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | ✓ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ✓ |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |

| Test Step 2.118 (Repeat Count = 1) | | |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|--|
| Name | Input Value | |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime | |
| GetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime | |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime | |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime | |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn | |



| Name | Input Value |
|------------------------------------------------------------------------------------------------------------------|-------------------------------------|
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 2.2999995 |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 236.300003 |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 14.3000002 |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 96.3000031 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 21364 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 52716 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 2967684784 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 3174948758 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -880.02002 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000866000017 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -880.02002 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000866000017 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 71 |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn AutoCntrHiSpd M str.VehSpd kph f32 | 216.199997 |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 18.5 |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 78.1999969 |
| VehDyn AutoCntrHiSpd M str.Timer1Thresh mS u16 | 38868 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 57944 |
| VehDyn AutoCntrHiSpd M str.Timer1 mS u32 | 219286216 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 3796740682 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -880.02002 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000666000007 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -880.02002 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000323999993 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 75.3000031 |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 18.2999992 |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 12.3000002 |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 32.2999992 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 2291 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 58929 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 219286216 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 4294967295 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -880.02002 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 6.6200002e-005 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -880.02002 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0.000866000017 |
| · - · | 1 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| VehDyn AutoCntrLoSpd M str.Filter2Initialized Cnt_lgc | 1 |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 1 |
| VehDyn ForceCenterOffset HwDeg M f32 | 198.240005 |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 |
| VehDyn Initialize Cnt M Igc | 1 |
| VehDyn LoSpdLearnt Cnt M lgc | 0 |
| VehDyn_MaxOffset_HwDeg_M_f32 | 938.245972 |
| VehDyn_MinOffset_HwDeg_M_f32 | -677.177979 |
| VehDyn_PinTrqSV_M_str.SV_UIs_f32 | 13.8999996 |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000436000002 |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.845000029 |
| VehDyn_SLPHwPos_HwDeg_M_f32 | -419.51001 |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 309385728 |
| k_HiSpdVDAuthority_Uls_f32 | 0.300000012 |
| k_HwTqMgnThd_HwNm_f32 | 7.0999999 |
| k_LoSpdVDAuthority_Uls_f32 | 0 |
| k_SrlHwAgVldTiThd_mS_u32 | 3229 |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 96.5 |
| k_TravelXCDeadband_Uls_f32 | 51.7900009 |
| k_TravelXCHwAuthority_Uls_f32 | 0.155049995 |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 625668608 |
| target_GetSystemTime_mS_u32_CurrentTime | 1316564736 |
| target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed | |
| target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTim | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 |



| Name | Input Value | | |
|-------------------------------------------------------------------|---------------------------------|---------------------|-------|
| arget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwD | leg_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_Hv | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF | _MtrRadpS_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_Hv | wDeg_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAu | thority_Uls_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHw | vPos_HwDeg_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc | target_VehDyn_Per1_SrlHwAgVld_0 | Cnt_lgc | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwI | Deg_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCl | RF_MtrNm_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc | target_VehDyn_Per1_VehicleSpeed | Valid_Cnt_lgc | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed | _Kph_f32 | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -724.51001 | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 1338.54602 | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | 8.80000019 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | -759.549988 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | -880.02002 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 1 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | -419.51001 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | -1.60000002 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 0 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 387.440002 | | |
| Name | Actual Value | Expected Value | Resul |
| VehDyn AllowHiSpdAutoCntr Cnt M Igc | 1 | 1 | |
| VehDyn AutoCntrDetSpd M str.Timer1 mS u32 | 2967684784 | 2967684784 | • |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 3174948758 | 3174948758 | |
| VehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32 | -880.02002 | -880.02002 ± 0.0009 | |
| VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32 | -880.02002 | -880.02002 ± 0.0009 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 1316564736 | 1316564736 | |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 3796740682 | 3796740682 | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -880.02002 | -880.02002 ± 0.0009 | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -880.02002 | -880.02002 ± 0.0009 | |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | |
| VehDyn AutoCntrHiSpd M str.Filter2Initialized Cnt Igc | 1 | 1 | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 1316564736 | 1316564736 | |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 4294967295 | 4294967295 | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -880.02002 | -880.02002 ± 0.0009 | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -880.02002 | -880.02002 ± 0.0009 | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | |
| VehDyn AutoCntrLoSpd M str.Filter2Enable Cnt Igc | 1 | 1 | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_Igc | 1 | 1 | |
| VehDyn AutoCntrLoSpd M str.Filter2Initialized Cnt Igc | 1 | 1 | |
| VehDyn HiSpdLearnt Cnt M Igc | 0 | 0 | |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 | 0 | |
| VehDyn MaxOffset HwDeg M f32 | 938.245972 | 938.245972 | |
| VehDyn MinOffset HwDeq M f32 | 155.51001 | 155.509995 | |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 13.897769 | 13.897769 ± 0.00009 | |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 309385728 | 309385728 | |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 1 | 1 ± 0.004 | |
| • - , - , - , - , - , - , - , - , - , - | | 1 | |

| T . | | | | V |
|----------------------------------------------------|-------|----------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | ✓ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ✓ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Rte Call VehDyn Per1 CP1 CheckpointReached | 1 | Rte Call VehDyn Per1 CP1 CheckpointReached | 1 | ~ |

| Test Step 2.119 (Repeat Count = 1) | ✓ |
|--------------------------------------|--------------------------------------------|
| Name | Input Value |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |



| Name | Input Value |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|
| GetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 120.099998 |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 246.100006 |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 16.1000004 |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 32.099985 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 33198 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 7778 |
| VehDyn AutoCntrDetSpd M str.Timer1 mS u32 | 3174948758 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 3382212733 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1454.77002 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.00867999974 |
| VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32 | -1454.77002 |
| /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000867999974 |
| /ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| | 0 |
| /ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| /ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| /ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 10.1999998 |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 226.5 |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 8.19999981 |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 96 |
| /ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 53970 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 52282 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 274107514 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 4004004656 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1454.77002 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000668000022 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1454.77002 |
| VehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32 | 0.000327999995 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 98.4000015 |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 88.4000015 |
| | 10.3999996 |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 52.4000015 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 38868 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 57944 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 274107514 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 255468 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1454.77002 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 6.64000036e-005 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1454.77002 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000867999974 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| /ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| /ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 1 |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | 298.149994 |
| /ehDyn_HiSpdLearnt_Cnt_M_lgc | 1 |
| VehDyn_Initialize_Cnt_M_lgc | 0 |
| /ehDyn_LoSpdLearnt_Cnt_M_lgc | 1 |
| /ehDyn MaxOffset HwDeg M f32 | 943.237976 |
| /ehDyn_MinOffset HwDeg_M_132 | -670.494019 |
| /ehDyn_PinTrqSV_M_str.SV_UIs_f32 | 7.80000019 |
| | 0.0043700001 |
| /ehDyn_PinTrqSV_M_str.K_Uls_f32 | |
| /ehDyn_SLPHwAuth_Uls_M_f32 | 0.861999989 |
| /ehDyn_SLPHwPos_HwDeg_M_f32 | -409.25 |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 824746752 |
| k_HiSpdVDAuthority_Uls_f32 | 0.400000006 |
| c_HwTqMgnThd_HwNm_f32 | 8.10000038 |
| k_LoSpdVDAuthority_Uls_f32 | 1 |
| k_SrlHwAgVldTiThd_mS_u32 | 987 |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 32.0999985 |
| k_TravelXCDeadband_Uls_f32 | 50.7599983 |
| k TravelXCHwAuthority Uls f32 | 0.156275004 |
| k_HaveixCHWAuthonty_Ois_132 | |



| Name | Input Value | | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|---------------------------------------|
| target_GetSystemTime_mS_u32_CurrentTime | 2075080192 | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedT | 1316564736 | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime | 824746752 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f32 | 2 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRad | pS_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f3 | 2 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_U | Jls_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_Hw | /Deg_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_MtrN | lm_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc | target_VehDyn_Per1_VehicleSpeedValid_Cr | nt_lgc | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph_f3 | 2 | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -718.25 | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 1332.97705 | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | 9 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | -759.549988 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | -1454.77002 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 0 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | -409.25 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | 4.5999999 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 1 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 398.850006 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 3174948758 | 3174948758 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 3382212733 | 3382212733 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1454.77002 | -1454.77002 ± 0.009 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1454.77002 | -1454.77002 ± 0.009 | - |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 2075080192 | 2075080192 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 4004004656 | 4004004656 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1454.77002 | -1454.77002 ± 0.009 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1454.77002 | -1454.77002 ± 0.009 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 274107514 | 274107514 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 255468 | 255468 | ~ |
| | | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1454.77002 | -1454.77002 ± 0.009 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1454.77002 -1454.77002 | -1454.77002 ± 0.009 | , |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | -1454.77002 -1454.77002 1 | -1454.77002 ± 0.009 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | -1454.77002 -1454.77002 1 | -1454.77002 ± 0.009 1 | 3 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | -1454.77002 -1454.77002 1 0 | -1454.77002 ± 0.009 1 0 0 | 3 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | -1454.77002 -1454.77002 1 0 0 | -1454.77002 ± 0.009 1 0 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc | -1454.77002 -1454.77002 1 0 0 0 | -1454.77002 ± 0.009 1 0 0 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc | -1454.77002 -1454.77002 1 0 0 0 1 | -1454.77002 ± 0.009 1 0 0 1 1 1 | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc | -1454.77002 -1454.77002 1 0 0 0 1 1 | -1454.77002 ± 0.009 1 0 0 1 1 1 1 | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32 | -1454.77002 -1454.77002 1 0 0 0 1 1 1 1 1332.97705 | -1454.77002 ± 0.009 1 0 0 1 1 1 1 1 1332.97705 | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32 | -1454.77002 -1454.77002 1 0 0 0 1 1 1 1 1332.97705 -718.25 | -1454.77002 ± 0.009 1 0 0 1 1 1 1 1 1332.97705 -718.25 | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32 VehDyn_PinTrqSV_M_str.SV_Uls_f32 | -1454.77002 -1454.77002 1 0 0 0 1 1 1 1 1332.97705 -718.25 7.80058718 | -1454.77002 ± 0.009 1 0 0 1 1 1 1 1 1332.97705 -718.25 7.80058718 ± 0.000009 | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32 VehDyn_PinTrqSV_M_str.SV_Uls_f32 VehDyn_SrlHwAgVldTimer_mS_M_u32 | -1454.77002 -1454.77002 1 0 0 0 1 1 1 1 1332.97705 -718.25 7.80058718 824746752 | -1454.77002 ± 0.009 1 0 0 1 1 1 1 1 1332.97705 -718.25 7.80058718 ± 0.000009 824746752 | · · · · · · · · · · · · · · · · · · · |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32 VehDyn_PinTrqSV_M_str.SV_Uls_f32 | -1454.77002 -1454.77002 1 0 0 0 1 1 1 1 1332.97705 -718.25 7.80058718 | -1454.77002 ± 0.009 1 0 0 1 1 1 1 1 1332.97705 -718.25 7.80058718 ± 0.000009 | |

| Τ | | | | ✓ |
|----------------------------------------------------|-------|----------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | • |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |



| Name | Input Value |
|--------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|
| OtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| GetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedTime |
| Rte_Call_Ap_VehDyn_SystemTime_DtiffinElapsed fifte_inS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_ButtiliclapsedTime_mS_u32_CurrentTime |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| /ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 |
| ehDyn AutoCntrDetSpd M str.MtrVel MtrRadpS f32 | 0 |
| ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 52.5 |
| | 18.5 |
| /ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | |
| /ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 42.5 |
| ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 49475 |
| /ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 38708 |
| ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 328928812 |
| ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 4211268631 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 267.709991 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000869999989 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 267.709991 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000869999989 |
| ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| /ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 56.5 |
| /ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 236.199997 |
| /ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 4.1999981 |
| /ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 32.2000008 |
| /ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 20423 |
| /ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 31368 |
| /ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 328928812 |
| | |
| /ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 4211268631 |
| /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 267.709991 |
| /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000669999979 |
| /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 267.709991 |
| /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000331999996 |
| ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| /ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| /ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| /ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| /ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 66.1999969 |
| /ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 76.1999969 |
| /ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 2.20000005 |
| /ehDyn AutoCntrLoSpd M str.CntrWindow HwDeg f32 | 10.1999998 |
| /ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 53970 |
| /ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 52282 |
| /ehDyn AutoCntrLoSpd M str.Timer1 mS u32 | 328928812 |
| /ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 4211268631 |
| /ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 267.709991 |
| /enDyn_AutoCntrLoSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.Sv_Uis_f32 /ehDyn_AutoCntrLoSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 267.709991 6.65999978e-005 |
| | |
| /ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 267.709991 |
| /ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000869999989 |
| /ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| ehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| ehDyn_ForceCenterEnabled_Cnt_M_lgc | 1 |
| ehDyn_ForceCenterOffset_HwDeg_M_f32 | 398.059998 |
| ehDyn_HiSpdLearnt_Cnt_M_lgc | 0 |
| ehDyn_Initialize_Cnt_M_lgc | 0 |
| ehDyn_LoSpdLearnt_Cnt_M_lgc | 0 |
| ehDyn_MaxOffset_HwDeg_M_f32 | 948.22998 |
| ehDyn_MinOffset_HwDeg_M_f32 | -663.809998 |
| ehDyn_PinTrqSV_M_str.SV_Uls_f32 | 3.20000005 |
| ehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000437999988 |
| ehDyn_SLPHwAuth_Uls_M_f32 | 0.87900008 |
| ehDyn_SLPHwPos_HwDeg_M_f32 | -398.98999 |
| /ehDyn_StrHwAgVldTimer mS M u32 | 954802432 |
| , - · · · | |
| _HiSpdVDAuthority_Uls_f32 | 0.5 |
| _HwTqMgnThd_HwNm_f32 | 9.10000038 |
| _LoSpdVDAuthority_Uls_f32 | 0 |
| _SrlHwAgVldTiThd_mS_u32 | 16445 |
| _SysKinRatio_MtrDegpHwDeg_f32 | 52.0999985 |
| | |



| Name | Input Value | | | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|---------------------------------------|
| k TravelXCDeadband Uls f32 | 49.7299995 | | | |
| k_TravelXCHwAuthority_Uls_f32 | 0.157499999 | | | |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 1568734208 | | | |
| target_GetSystemTime_mS_u32_CurrentTime | 954802432 | | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed | | 2075080192 | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTim | | | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32 | target VehDyn Per1 CcwEOT HwDeg | f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target VehDyn Per1 HwTorque HwNm | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_Mtrl | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg | | | |
| target Rte Inst Ap VehDyn.VehDyn Per1 SensorlessAuthority Uls f32 | target_VehDyn_Per1_SensorlessAuthori | | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos | | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAgVld_Cnt_Igc | | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc | target_VehDyn_Per1_lorqueCmdCRF_mtrNm_i32 target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph | | | |
| target VehDyn Per1 CcwEOT HwDeg f32.value | -711.98999 | | | |
| target VehDyn Per1 CwEOT HwDeg f32.value | 1327.40796 | | | |
| target_VehDyn_Per1_LwTorque_HwNm_f32.value | 9.19999981 | | | |
| | | | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | -835.109985 | | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | 267.709991 | | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 0 | | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | -398.98999 | | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | -7.30000019 | | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 0 | | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 489.769989 | | | |
| Name | Actual Value | Expected Value | R | lesult |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 | 1 | | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 328928812 | 328928812 | | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 4211268631 | 4211268631 | | ~ |
| | | | | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 267.709991 | 267.709991 ± 0.0009 | | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 267.709991 267.709991 | 267.709991 ± 0.0009 267.709991 ± 0.0009 | | • |
| | | | | • |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 267.709991 | 267.709991 ± 0.0009 | | \ \ \ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 267.709991 1 | 267.709991 ± 0.0009 | | \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 267.709991 1 1 | 267.709991 ± 0.0009 1 | | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 267.709991 1 1 | 267.709991 ± 0.0009 1 1 1 | | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 267.709991 1 1 1 0 | 267.709991 ± 0.0009 1 1 1 0 | | \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 267.709991 1 1 1 1 0 954802432 | 267.709991 ± 0.0009 1 1 1 1 0 954802432 | | 0 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 267.709991 1 1 1 1 0 954802432 4211268631 | 267.709991 ± 0.0009 1 1 1 1 0 954802432 4211268631 | | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 267.709991 1 1 1 0 954802432 4211268631 267.709991 | 267.709991 ± 0.0009 1 1 1 0 954802432 4211268631 267.709991 ± 0.0009 | | |
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| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 267.709991 1 1 1 1 0 954802432 4211268631 267.709991 0 0 1 954802432 4211268631 267.709991 267.709991 0 0 1 1 1 1 1 | 267.709991 ± 0.0009 1 1 1 1 0 954802432 4211268631 267.709991 ± 0.0009 0 0 1 954802432 4211268631 267.709991 ± 0.0009 267.709991 ± 0.0009 267.709991 ± 0.0009 1 1 1 1 | | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc | 267.709991 1 1 1 1 0 954802432 4211268631 267.709991 0 0 1 954802432 4211268631 267.709991 267.709991 0 1 1 1 1 1 | 267.709991 ± 0.0009 1 1 1 1 0 954802432 4211268631 267.709991 ± 0.0009 0 0 1 1 954802432 4211268631 267.709991 ± 0.0009 267.709991 ± 0.0009 267.709991 ± 0.0009 1 1 1 1 1 | | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFitt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc | 267.709991 1 1 1 1 0 954802432 4211268631 267.709991 0 0 1 1 954802432 4211268631 267.709991 0 1 1 1 1 1 1 1 0 1 | 267.709991 ± 0.0009 1 1 1 0 954802432 4211268631 267.709991 ± 0.0009 0 0 1 1 954802432 4211268631 267.709991 ± 0.0009 277.709991 ± 0.0009 0 1 1 1 1 1 1 0 1 | | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc | 267.709991 1 1 1 1 0 954802432 4211268631 267.709991 0 0 1 1 954802432 4211268631 267.709991 0 0 1 1 1 1 1 1 0 1 | 267.709991 ± 0.0009 1 1 1 0 954802432 4211268631 267.709991 ± 0.0009 0 0 1 1 954802432 4211268631 267.709991 ± 0.0009 0 1 1 954802432 4211268631 267.709991 ± 0.0009 267.709991 ± 0.0009 0 1 1 1 0 1 | | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFitl2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 267.709991 1 1 1 1 0 954802432 4211268631 267.709991 0 0 1 1 954802432 4211268631 267.709991 0 0 1 1 1 1 1 1 0 1 1 0 1327.40796 | 267.709991 ± 0.0009 1 1 1 1 0 954802432 4211268631 267.709991 ± 0.0009 0 0 1 1 954802432 4211268631 267.709991 ± 0.0009 0 1 1 954802432 4211268631 267.709991 ± 0.0009 0 1 1 1 0 1 1 0 1327.40796 | | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 267.709991 1 1 1 1 0 954802432 4211268631 267.709991 0 0 1 954802432 4211268631 267.709991 0 0 1 1 954802432 4211268631 267.709991 0 1 1 1 1 0 1 1 0 1327.40796 -711.98999 | 267.709991 ± 0.0009 1 1 1 0 954802432 4211268631 267.709991 ± 0.0009 0 0 1 1 954802432 4211268631 267.709991 ± 0.0009 0 1 1 954802432 4211268631 267.709991 ± 0.0009 0 1 1 1 0 1 1 0 1327.40796 -711.98999 | | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFitl2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter3Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter3Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter3Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter3Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter3Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter3Initialized_Cnt_lgc | 267.709991 1 1 1 1 0 954802432 4211268631 267.709991 0 0 1 954802432 4211268631 267.709991 0 0 1 1 954802432 4211268631 267.709991 0 1 1 1 1 0 1 1 0 1327.40796 -711.98999 3.20256662 | 267.709991 ± 0.0009 1 1 1 1 0 954802432 4211268631 267.709991 ± 0.0009 0 0 1 954802432 4211268631 267.709991 ± 0.0009 0 1 1 954802432 4211268631 267.709991 ± 0.0009 0 1 1 1 1 0 1 1 0 1327.40796 -711.98999 3.20256662 ± 0.000009 | | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 267.709991 1 1 1 1 0 954802432 4211268631 267.709991 0 0 1 954802432 4211268631 267.709991 0 0 1 1 954802432 4211268631 267.709991 0 1 1 1 1 0 1 1 0 1327.40796 -711.98999 | 267.709991 ± 0.0009 1 1 1 0 954802432 4211268631 267.709991 ± 0.0009 0 0 1 1 954802432 4211268631 267.709991 ± 0.0009 0 1 1 954802432 4211268631 267.709991 ± 0.0009 0 1 1 1 0 1 1 0 1327.40796 -711.98999 | | |



| Τ | | | | |
|----------------------------------------------------|-------|----------------------------------------------------|-------|--------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | • |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | • |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |

| est Step 2.121 (Repeat Count = 1) ame | Input Value |
|---------------------------------------------------------------------------------|--------------------------------------------------------------------------|
| trmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| etSystemTime mS u32(CurrentTime) | target GetSystemTime mS u32 CurrentTime |
| | |
| te_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| te_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| te_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 |
| ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 700 |
| ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 216.100006 |
| ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 16.1000004 |
| ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 12.1000004 |
| ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 43128 |
| ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 58869 |
| ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 383750110 |
| ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 2160073393 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -293.049988 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000872000004 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -293.049988 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000872000004 |
| ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 86 |
| ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 246.199997 |
| ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 16.2000008 |
| ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 52 |
| ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 7034 |
| ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 39056 |
| ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 383750110 |
| ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 2160073393 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -293.049988 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000671999995 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -293.049988 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000335999997 |
| ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| ehDyn AutoCntrLoSpd M str.MtrVel MtrRadpS f32 | 34.099985 |
| ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 86.099985 |
| ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 4.099999 |
| ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 25.1000004 |
| ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh mS u16 | 20423 |
| ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 31368 |
| ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 383750110 |
| ehDyn_AutoChtrLoSpd_M_str.Timer1_m3_u32 ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 2160073393 |
| ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -293.049988 |
| enDyn_AutoCntrLoSpd_M_str.ReinwPosFilt1SV_HwDeg_str.Sv_Uis_i32 | -293.049986 6.67999993e-005 |
| , = , = = = = = = = = = = = = = = = = = | |
| ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -293.049988 |
| ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000872000004 |
| ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| ehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| ehDyn_ForceCenterEnabled_Cnt_M_lgc | 1 |
| ehDyn_ForceCenterOffset_HwDeg_M_f32 | 497.970001 |
| ehDyn_HiSpdLearnt_Cnt_M_lgc | 1 |



| | | | 10-10 |
|----------------------------------------------------------------------------------------------------------------|------------------------------------------|------------------------|----------|
| Name | Input Value | | |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | | |
| VehDyn_MaxOffset_HwDeg_M_f32 | -953.221985 | | |
| VehDyn_MinOffset_HwDeg_M_f32 | -657.125977 | | |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | -5.4000001 | | |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000438999996 | | |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.896000028 | | |
| VehDyn_SLPHwPos_HwDeg_M_f32 | -388.730011 | | |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 2728878080 | | |
| k_HiSpdVDAuthority_UIs_f32 | 0.20000003 | | |
| k_HwTqMgnThd_HwNm_f32 k_LoSpdVDAuthority_Uls_f32 | 0.119999997 | | |
| k_SrlHwAgVldTiThd_mS_u32 | 32 | | |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 41.5400009 | | |
| k_TraveIXCDeadband_Uls_f32 | 48.7000008 | | |
| k_TraveIXCHwAuthority_UIs_f32 | 0.158724993 | | |
| target DtrmnElapsedTime mS u32 ElapsedTime | 4195077888 | | |
| target_GetSystemTime_mS_u32_CurrentTime | 2728878080 | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedT | 954802432 | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime | 2728878080 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f32 | 2 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRad | pS_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f3 | 2 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_L | Jls_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_Hw | /Deg_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_MtrN | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc | target_VehDyn_Per1_VehicleSpeedValid_Cr | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph_f3 | 2 | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -705.72998 | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 1321.83899 | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | 9.39999962 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | -293.049988 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | 1 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | -388.730011 | | |
| target VehDyn Per1 TorqueCmdCRF MtrNm f32.value | 1.29999995 | | |
| target VehDyn Per1 VehicleSpeedValid Cnt lgc.value | 1 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 500.049988 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn AllowHiSpdAutoCntr Cnt M Igc | 1 | 1 | _ |
| VehDyn AutoCntrDetSpd M str.Timer1 mS u32 | 383750110 | 383750110 | - |
| VehDyn AutoCntrDetSpd M str.Timer2 mS u32 | 2160073393 | 2160073393 | - |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -293.049988 | -293.049988 ± 0.0009 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -293.049988 | -293.049988 ± 0.0009 | - |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | - |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | - |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 2728878080 | 2728878080 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 2160073393 | 2160073393 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -293.049988 | -293.049988 ± 0.0009 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -293.049988 | -293.049988 ± 0.0009 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 383750110 | 383750110 | |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 2160073393 | 2160073393 | • |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -293.049988 | -293.049988 ± 0.0009 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -293.049988 | -293.049988 ± 0.0009 | ✓ |
| VehDyn_AutoCotrl_oSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | - J |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | V |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | |
| VehDyn HiSpdLearnt Cnt M Igc | 1 | 1 | |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | 1 | |
| VehDyn MaxOffset HwDeg M f32 | -953.221985 | -953.221985 | |
| VehDyn_MinOffset_HwDeg_M_f32 | -412.679993 | -412.679993 | |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | -5.39348936 | -5.39348888 ± 0.000009 | |
| | | | |



| Name | Actual Value | Expected Value | Result |
|------------------------------------------------------|--------------|------------------|----------|
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 2728878080 | 2728878080 | ~ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 1 | 1 ± 0.004 | ~ |
| target VehDyn Per1 SensorlessHwPos HwDeg f32.value | -791.02002 | -791.02002 ± 0.1 | ✓ |

| T | | | | V |
|----------------------------------------------------|-------|----------------------------------------------------|-------|--------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |

| lame | Input Value |
|----------------------------------------------------------------------|---------------------------------------------------------------------------|
| htrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| SetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| tte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32(ElapsedTime) | target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedTime |
| tte_Call_Ap_VehDyn_SystemTime_ButhinLiapsedTime_inS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_BttffficapsedTime_mS_u32_CurrentTime |
| | |
| tte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| /ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 |
| /ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 182.5 |
| /ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 156.5 |
| ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 18.5 |
| /ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 53.5299988 |
| ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 53759 |
| ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 18715 |
| ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 2138628886 |
| ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 54822322 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -174.199997 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000874000019 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -174.199997 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000874000019 |
| ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 75.1999969 |
| ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 52.5 |
| ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 14 |
| ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 41.2000008 |
| ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 26195 |
| ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 22037 |
| ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 2138628886 |
| ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 54822322 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -174.199997 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.00067400001 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -174.199997 |
| 'ehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32 | 0.000339999999 |
| /ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| ehDyn AutoCntrHiSpd M str.Filter1Initialized Cnt lgc | 0 |
| ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| ehDyn AutoCntrLoSpd M str.MtrVel MtrRadpS f32 | 2.20000005 |
| ehDyn AutoCntrLoSpd M str.VehSpd kph f32 | 96.1999969 |
| ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 6.1999981 |
| ehDyn AutoCntrLoSpd M str.CntrWindow HwDeg f32 | 86.1999969 |
| ehDyn AutoCntrLoSpd M str.Timer1Thresh mS u16 | 7034 |
| ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 39056 |
| ehDyn AutoCntrLoSpd M str.Timer1 mS u32 | 2138628886 |
| ehDyn AutoCntrLoSpd M str.Timer2 mS u32 | 54822322 |
| ehDyn_AutoChtrLoSpd_M_str.RelHwPosFilt1SV HwDeg_str.SV Uls_f32 | -174.199997 |
| enDyn_AutoCntrLoSpd_M_str.ReinwPosFilt1SV_hwDeg_str.Sv_ois_is2 | |
| 7 = | 6.7000009e-005 |
| ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -174.199997 |
| ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000874000019 |
| ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| ehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| ehDyn_ForceCenterEnabled_Cnt_M_lgc | 1 |
| ehDyn ForceCenterOffset HwDeg M f32 | 597.880005 |



| | | () | 0-10 |
|----------------------------------------------------------------------------------------------------------------|------------------------------------------|------------------------|--------|
| Name | Input Value | | |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 | | |
| VehDyn_Initialize_Cnt_M_lgc | 1 | | |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 | | |
| VehDyn_MaxOffset_HwDeg_M_f32 | 958.213989 | | |
| VehDyn_MinOffset_HwDeg_M_f32 | -650.442017 | | |
| VehDyn_PinTrqSV_M_str.SV_UIs_f32 | 7.5999999 0.000440000003 | | |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 VehDyn_SLPHwAuth_Uls_M_f32 | 0.912999988 | | |
| VehDyn_SLPHwPos_HwDeg_M_f32 | -378.470001 | | |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 824746752 | | |
| k HiSpdVDAuthority Uls f32 | 1 | | |
| k_HwTqMgnThd_HwNm_f32 | 5.44999981 | | |
| k_LoSpdVDAuthority_Uls_f32 | 0 | | |
| k_SrlHwAgVldTiThd_mS_u32 | 4891 | | |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 63.5 | | |
| k_TravelXCDeadband_Uls_f32 | 47.6699982 | | |
| k_TravelXCHwAuthority_Uls_f32 | 0.159950003 | | |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 2339853824 | | |
| target_GetSystemTime_mS_u32_CurrentTime target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedT | 824746752 | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime | | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 | | |
| target Rte Inst Ap VehDyn.VehDyn Per1 CwEOT HwDeg f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 | | |
| target Rte Inst Ap VehDyn.VehDyn Per1 HwTorque HwNm f32 | target VehDyn Per1 HwTorque HwNm f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target VehDyn Per1 MotorVelCRF MtrRad | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f3 | · - | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_U | Jls_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_Hw | vDeg_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_MtrN | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc | target_VehDyn_Per1_VehicleSpeedValid_Cr | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph_f3 | 2 | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value | -699.469971 1316.27002 | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | 9.60000038 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | -759.549988 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | -174.199997 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 1 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | -378.470001 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | 5.5999999 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 0 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 499.980011 | 1 | |
| Name | Actual Value | Expected Value | Result |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 | 1 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 2138628886 54822322 | 2138628886 54822322 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -174.199997 | -174.199997 ± 0.0009 | |
| VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32 | -174.199997 | -174.199997 ± 0.0009 | j |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | - |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | - |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 824746752 | 824746752 | • |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 54822322 | 54822322 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -174.199997 | -174.199997 ± 0.0009 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -174.199997 | -174.199997 ± 0.0009 | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 824746752 | 824746752 | |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 54822322 | 54822322 | - |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -174.199997 | -174.199997 ± 0.0009 | - |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -174.199997 | -174.199997 ± 0.0009 | - |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | - |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | - |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 | 0 | ~ |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 | 0 | |
| VehDyn_MaxOffset_HwDeg_M_f32 | 958.213989 | 958.213989 | |



| Name | Actual Value | Expected Value | Result |
|------------------------------------------------------|--------------|-----------------------|--------|
| VehDyn_MinOffset_HwDeg_M_f32 | -525.269958 | -525.27002 | ✓ |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 7.60091877 | 7.60091877 ± 0.000009 | ~ |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 824746752 | 824746752 | ✓ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 1 | 1 ± 0.004 | ~ |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | -772.080017 | -772.080017 ± 0.1 | ✓ |

| Т | | | | ✓ |
|----------------------------------------------------|-------|----------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | - |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | - |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |

| lame | Input Value |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|
| | |
| OtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| SetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| /ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 0 |
| /ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 202.5 |
| /ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 0 |
| /ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 8.1000038 |
| ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 86.099985 |
| ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 13352 |
| ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 14442 |
| ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 2345892860 |
| ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 1024 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -475.299988 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000875999976 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -475.299988 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000875999976 |
| ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 98 |
| ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 34.2000008 |
| ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 12.5 |
| ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 63 |
| ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 43190 |
| ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 3186 |
| ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 2345892860 |
| ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 1024 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -475.299988 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000676000025 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -475.299988 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000344 |
| ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_Igc | 1 |
| ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 120.300003 |
| ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 106.300003 |
| ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 8.30000019 |
| ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 56.2999992 |
| ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 25532 |
| ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 27401 |
| ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 2345892860 |
| ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 1024 |
| ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -475.299988 |
| ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 6.72000024e-005 |
| ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -475.299988 |
| /ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000875999976 |
| ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| /ehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 |



| | | • | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|----------------------------------------------|--------|
| Name | Input Value | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | | |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 1 | | |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | 697.789978 | | |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 | | |
| VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | | |
| VehDyn_MaxOffset_HwDeg_M_f32 | -963.205994 | | |
| VehDyn_MinOffset_HwDeg_M_f32 | -643.757996 | | |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 1.5 | | |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000441000011 | | |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.930000007 | | |
| VehDyn_SLPHwPos_HwDeg_M_f32 | -368.209991 | | |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 123 | | |
| k_HiSpdVDAuthority_UIs_f32 | 0 | | |
| k_HwTqMgnThd_HwNm_f32 | 6.32000017 | | |
| k_LoSpdVDAuthority_Uls_f32 k_SrlHwAgVldTiThd_mS_u32 | 91986 | | |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 88.099985 | | |
| k TravelXCDeadband Uls f32 | 46.6399994 | | |
| k_TraveIXCHwAuthority_UIs_f32 | 0.161174998 | | |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 3524313344 | | |
| target_GetSystemTime_mS_u32_CurrentTime | 309385728 | | |
| $target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_Elapsed$ | 824746752 | | |
| $target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime_ms_u32_CurrentTime_uss_uss_uss_uss_uss_uss_uss_uss_uss_uss$ | 123 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f3: | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRad | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f3 target_VehDyn_Per1_SensorlessAuthority_l | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc | target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_MtrN | lm_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc | target_VehDyn_Per1_VehicleSpeedValid_C | nt_lgc | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph_f32 | | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -693.210022 | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 1310.70105 | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | 9.80000019 154 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | -475.299988 | | |
| target VehDyn Per1 SrlHwAgVld Cnt Igc.value | 0 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | -368.209991 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | -4.5999999 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 1 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 120.050003 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 0 | 0 | • |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 2345892860 | 2345892860 | • |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 309385728 | 309385728 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -475.299988 -475.299988 | -475.299988 ± 0.0009 -475.299988 ± 0.0009 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | |
| VehDyn AutoCntrDetSpd M str.Filter1Initialized Cnt Igc | 1 | 1 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 2345892860 | 2345892860 | • |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 1024 | 1024 | • |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -475.299988 | -475.299988 ± 0.0009 | • |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -475.299988 | -475.299988 ± 0.0009 | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 0 | 1 | |
| VehDyn_AutoCntrHispd_M_str.Filter2Initialized_Cnt_igc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 2345892860 | 2345892860 | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 1024 | 1024 | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -475.299988 | -475.299988 ± 0.0009 | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -475.299988 | -475.299988 ± 0.0009 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | |



| Name | Actual Value | Expected Value | Result |
|------------------------------------------------------|--------------|-----------------------|----------|
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 | 1 | ✓ |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | 1 | ✓ |
| VehDyn_MaxOffset_HwDeg_M_f32 | 1310.70105 | 1310.70105 | ~ |
| VehDyn_MinOffset_HwDeg_M_f32 | -693.210022 | -693.210022 | ✓ |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 1.50363731 | 1.50363731 ± 0.000009 | ~ |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 123 | 123 | ~ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 1 | 1 ± 0.004 | ~ |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | -1173.08997 | -1173.08997 ± 0.1 | ✓ |

| Т | | | | ✓ |
|----------------------------------------------------|-------|----------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| DtrmnElapsedTime_mS_u32 | 1 | DtrmnElapsedTime_mS_u32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| DtrmnElapsedTime_mS_u32 | 1 | DtrmnElapsedTime_mS_u32 | 1 | ~ |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |

| Test Step 2.124 (Repeat Count = 1) | |
|-----------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|
| Name | Input Value |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| GetSystemTime mS u32(CurrentTime) | target GetSystemTime mS u32 CurrentTime |
| Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32(ElapsedTime) | target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedTime |
| Rte Call Ap VehDyn SystemTime GetSystemTime mS u32(CurrentTime) | target Rte Call Ap VehDyn SystemTime GetSystemTime mS u32 CurrentTime |
| Rte Inst Ap VehDyn | target Rte Inst Ap VehDyn |
| /ehDyn AllowHiSpdAutoCntr Cnt M Igc | 1 |
| /ehDyn AutoCntrDetSpd M str.MtrVel MtrRadpS f32 | 211.5 |
| /ehDyn AutoCntrDetSpd M str.VehSpd kph f32 | 255 |
| ehDyn AutoCntrDetSpd M str.FiltPinTrg HwNm f32 | 4.5 |
| ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 96.5 |
| /ehDyn AutoCntrDetSpd M str.Timer1Thresh mS u16 | 21364 |
| ehDyn AutoCntrDetSpd M str.Timer2Thresh mS u16 | 52716 |
| ehDyn AutoCntrDetSpd M str.Timer1 mS u32 | 2553156835 |
| /ehDyn AutoCntrDetSpd M str.Timer2 mS u32 | 4290967295 |
| /ehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32 | -157,490005 |
| /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000877999992 |
| /ehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32 | -157.490005 |
| /ehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32 | 0.000877999992 |
| /ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| /ehDyn AutoCntrDetSpd M str.Filter2Enable Cnt lgc | 1 |
| /ehDyn AutoCntrDetSpd M str.Filter1Initialized Cnt Igc | 1 |
| /ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| /ehDyn AutoCntrHiSpd M str.MtrVel MtrRadpS f32 | 66.1999969 |
| /ehDyn AutoCntrHiSpd M str.VehSpd kph f32 | 18.2000008 |
| /ehDyn AutoCntrHiSpd M str.FiltPinTrg HwNm f32 | 10 |
| /ehDyn AutoCntrHiSpd M str.CntrWindow HwDeg f32 | 88.5 |
| /ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 30404 |
| /ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 30349 |
| /ehDyn AutoCntrHiSpd M str.Timer1 mS u32 | 2553156835 |
| /ehDyn AutoCntrHiSpd M str.Timer2 mS u32 | 4290967295 |
| /ehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32 | -157.490005 |
| /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Gls2 | 0.000677999982 |
| /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -157.490005 |
| /ehDyn_AutoCntrhiSpd_M_str.ReinwPosFilt2SV_hwDeg_str.Sv_dis_is2 /ehDyn_AutoCntrhiSpd_M_str.ReiHwPosFilt2SV_hwDeg_str.K_Uls_f32 | 0.000348000001 |
| /ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| /enDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc /ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| /ehDyn_AutoCntrhispd_in_str.Filter1Initialized_Cnt_lgc | 0 |
| | 1 |
| /ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc /ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 66.5 |
| | 116.5 |
| /ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 10.5 |
| /ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 54.5 |
| /ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | |
| /ehDyn_AutoCotrLoSpd_M_str.Timer1Thresh_mS_u16 | 53759 |
| /ehDyn_AutoCotrl_oSpd_M_str.Timer2Thresh_mS_u16 | 18715 |
| /ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 2553156835 |
| /ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 4290967295 |
| /ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -157.490005 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 6.73999966e-005 |



| | | | | 0 |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|----------------------|--|-------|
| Name | Input Value | | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -157.490005 | | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000877999992 | | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 | | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 | | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_Igc | 1 | | | |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc VehDyn_ForceCenterOffset_HwDeg_M_f32 | 0 797.700012 | | | |
| VehDyn HiSpdLearnt Cnt M Igc | 0 | | | |
| VehDyn_Initialize_Cnt_M_lgc | 0 | | | |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 | | | |
| VehDyn_MaxOffset_HwDeg_M_f32 | 968.197998 | | | |
| VehDyn_MinOffset_HwDeg_M_f32 | -637.073975 | | | |
| VehDyn_PinTrqSV_M_str.SV_UIs_f32 | -1.60000002 | | | |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.00044199999 | | | |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.947000027 | | | |
| VehDyn_SLPHwPos_HwDeg_M_f32 | -357.950012 | | | |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 5477 | | | |
| k_HiSpdVDAuthority_UIs_f32 | 0.5 | | | |
| k_HwTqMgnThd_HwNm_f32 k_LoSpdVDAuthority_UIs_f32 | 1 0 | | | |
| k_LoSpdVDAuthority_Uls_f32 k_SrlHwAgVldTiThd_mS_u32 | 12 | | | |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 75.4000015 | | | |
| k TravelXCDeadband Uls f32 | 45.6100006 | | | |
| k TravelXCHwAuthority Uls f32 | 0.162400007 | | | |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 2108719104 | | | |
| target_GetSystemTime_mS_u32_CurrentTime | 2659241984 | | | |
| $target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_Elapse$ | 824746752 | | | |
| $target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime$ | 5477 | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg | _f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_ | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNr | _ | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_Mt | | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f32 | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_Uls_f32 | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc | target_VehDyn_Per1_SensoriessHwPos_HwDeg_f32 target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target VehDyn Per1 TorqueCmdCRF | | | |
| target Rte Inst Ap VehDyn.VehDyn Per1 VehicleSpeedValid Cnt Igc | target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc | | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kp | | | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -686.950012 | | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 1305.13196 | | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | -1.10000002 | | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | -759.440002 | | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | -157.490005 | | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 0 | | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | -357.950012 | | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | -4.9000001 | | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 0 230.039993 | | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | | Fyrnantad Value | | Desui |
| Name Volt Direct Alleged I Stand Auto Costs Cost Mallers | Actual Value | Expected Value | | Resul |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 2553156835 | 1 2553156835 | | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 4290967295 | 4290967295 | | |
| VehDyn AutoCntrDetSpd_M_sit.1fmet2_fil3_us2 VehDyn AutoCntrDetSpd_M_sit.1fmet2_fil3_us2 | -157.490005 | -157.490005 ± 0.0009 | | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -157.490005 | -157.490005 ± 0.0009 | | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | | • |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 2659241984 | 2659241984 | | • |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 4290967295 | 4290967295 | | • |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -157.490005 | -157.490005 ± 0.0009 | | • |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -157.490005 | -157.490005 ± 0.0009 | | |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | | |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | | |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | | • |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 2659241984 | 2659241984 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Llls_f32 | 4290967295 -157 490005 | 4290967295 | | |
| VENTAVO AUTOLOGIO OSOO IVI SIEREIHWEOSEIIETSV HWIJEO SIESV LIIS 132 | 1-137 440000 | -15/ 490005 + 0 0009 | | |

-157.490005

-157.490005

 $VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32$

 $VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32$

-157.490005 ± 0.0009

-157.490005 ± 0.0009



| Name | Actual Value | Expected Value | Result |
|-------------------------------------------------------|--------------|------------------------|----------|
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 | 0 | ~ |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 | 0 | ✓ |
| VehDyn_MaxOffset_HwDeg_M_f32 | 1305.13196 | 1305.13196 | ~ |
| VehDyn_MinOffset_HwDeg_M_f32 | -686.950012 | -686.950012 | ~ |
| VehDyn_PinTrqSV_M_str.SV_UIs_f32 | -1.59980774 | -1.59980774 ± 0.000009 | ~ |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 5477 | 5477 | ~ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 0.947000027 | 0.947000027 ± 0.004 | ~ |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | -515.440002 | -515.440002 ± 0.1 | ~ |

| T | | | | V |
|----------------------------------------------------|-------|----------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ✓ |
| Rte Call VehDyn Per1 CP1 CheckpointReached | 1 | Rte Call VehDyn Per1 CP1 CheckpointReached | 1 | ✓ |

| Test Step 2.125 (Repeat Count = 1) | ✓ |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|
| Name | Input Value |
| DtrmnElapsedTime mS u32(ElapsedTime) | target DtrmnElapsedTime mS u32 ElapsedTime |
| GetSystemTime mS u32(CurrentTime) | target GetSystemTime mS u32 CurrentTime |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 2.5 |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 196.5 |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 6.5 |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 86.5 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 7034 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 39056 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 2345892860 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 2553156835 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1576.71997 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000874000019 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1576.71997 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000874000019 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 126.199997 |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 176.5 |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 6 |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 53.2000008 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 29076 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 43868 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 1024 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 2967684784 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1576.71997 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000658000004 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1576.71997 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000307999988 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 600.200012 |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 84.1999969 |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 8.19999981 |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 96.1999969 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 3658 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 5853 |



| Name | Input Value | | | |
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| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 0 | | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 2967684784 | | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1576.71997 | | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 6.54000032e-005 | | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1576.71997 | | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000858000014 | | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 | | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 | | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | | | |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 0 | | | |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | -201.399994 | | | |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 | | | |
| VehDyn_Initialize_Cnt_M_lgc | 1 | | | |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 | | | |
| VehDyn_MaxOffset_HwDeg_M_f32 | -918.278015 -703.914001 | | | |
| VehDyn_MinOffset_HwDeg_M_f32 VehDyn_PinTrqSV_M_str.SV_UIs_f32 | 6.30000019 | | | |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000432000001 | | | |
| VehDyn SLPHwAuth Uls M f32 | 0.77700001 | | | |
| VehDyn_SLPHwPos_HwDeg_M_f32 | -460.549988 | | | |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 954802432 | | | |
| k_HiSpdVDAuthority_UIs_f32 | 1 | | | |
| k HwTqMgnThd HwNm f32 | 3.0999999 | | | |
| k_LoSpdVDAuthority_Uls_f32 | 0 | | | |
| k_SrlHwAgVldTiThd_mS_u32 | 4856 | | | |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 86.0999985 | | | |
| k_TravelXCDeadband_Uls_f32 | 55.9099998 | | | |
| k_TravelXCHwAuthority_Uls_f32 | 0.150150001 | | | |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 2478427648 | | | |
| target_GetSystemTime_mS_u32_CurrentTime | 2127166208 | | | |
| $target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedT$ | 4243378688 | | | |
| $target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime$ | 954802432 | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f32 | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRad | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | | target_VehDyn_Per1_RelHwPos_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_U | | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc | | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 | f22 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc | target_VehDyn_Per1_TorqueCmdCRF_MtrN target_VehDyn_Per1_VehicleSpeedValid_Cr | _ | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target VehDyn Per1 VehicleSpeed Kph f3: | | | |
| target VehDyn Per1 CcwEOT HwDeg f32.value | -749.549988 | 2 | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 1360.82202 | | | |
| target VehDyn Per1 HwTorque HwNm f32.value | 8 | | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | -147.880005 | | | |
| target VehDyn Per1 RelHwPos HwDeg f32.value | 1576.71997 | | | |
| target VehDyn Per1 SrlHwAgVld Cnt lgc.value | 1 | | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | -460.549988 | | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | 3.20000005 | | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 0 | | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 42.4500008 | | | |
| Name | Actual Value | Expected Value | Result | |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 | 1 | ~ | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 2345892860 | 2345892860 | • | |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 2553156835 | 2553156835 | • | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1576.71997 | 1576.71997 ± 0.009 | • | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1576.71997 | 1576.71997 ± 0.009 | ~ | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | ~ | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | • | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | • | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | • | |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 2127166208 | 2127166208 | ~ | |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 2967684784 | 2967684784 | ~ | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1576.71997 | 1576.71997 ± 0.009 | • | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1576.71997 | 1576.71997 ± 0.009 | ~ | |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | V | |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | | |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | V | |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ~ | |



| Name | Actual Value | Expected Value | Result |
|-----------------------------------------------------------------|--------------|-----------------------|--------|
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 2127166208 | 2127166208 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 2967684784 | 2967684784 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1576.71997 | 1576.71997 ± 0.009 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1576.71997 | 1576.71997 ± 0.009 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 | 0 | ~ |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 | 0 | ~ |
| VehDyn_MaxOffset_HwDeg_M_f32 | -918.278015 | -918.278015 | ~ |
| VehDyn_MinOffset_HwDeg_M_f32 | -703.914001 | -703.914001 | • |
| VehDyn_PinTrqSV_M_str.SV_UIs_f32 | 6.30075073 | 6.30075026 ± 0.000009 | • |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 954802432 | 954802432 | • |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 0.77700001 | 0.77700001 ± 0.004 | ~ |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | 1116.16992 | 1116.17004 ± 0.1 | ~ |

| Т | | | | ✓ |
|----------------------------------------------------|-------|----------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | - |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ✓ |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |

| lame | Input Value |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|
| OtrmnElapsedTime mS u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| GetSystemTime mS u32(CurrentTime) | target GetSystemTime mS u32 CurrentTime |
| Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32(ElapsedTime) | target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedTime |
| Rte Call Ap VehDyn SystemTime GetSystemTime mS u32(CurrentTime) | target Rte Call Ap VehDyn SystemTime GetSystemTime mS u32 CurrentTime |
| Rte Inst Ap VehDyn | target Rte Inst Ap VehDyn |
| /ehDyn AllowHiSpdAutoCntr Cnt M lgc | 1 |
| /ehDyn AutoCntrDetSpd M str.MtrVel MtrRadpS f32 | 9.5 |
| /ehDyn AutoCntrDetSpd M str.VehSpd kph f32 | 146.5 |
| /ehDyn AutoCntrDetSpd M str.FiltPinTrg HwNm f32 | 0 |
| /ehDyn AutoCntrDetSpd M str.CntrWindow HwDeg f32 | 78.5 |
| /ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 21335 |
| /ehDyn AutoCntrDetSpd M str.Timer2Thresh mS u16 | 34188 |
| /ehDyn AutoCntrDetSpd M str.Timer1 mS u32 | 2967684784 |
| /ehDyn AutoCntrDetSpd M str.Timer2 mS u32 | 2138628886 |
| /ehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32 | 969.01001 |
| /ehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32 | 0.000882000022 |
| ehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32 | 969.01001 |
| ehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32 | 0.000882000022 |
| ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 2.20000005 |
| ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 76.5 |
| ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 4 |
| ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 97.1999969 |
| ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 16683 |
| ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 22497 |
| /ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 2967684784 |
| ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 2138628886 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 969.01001 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000682000013 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 969.01001 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000356000004 |
| ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| /ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| /ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 2.70000005 |
| /ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 136.699997 |



| Name | Input Value | | | |
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| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 14.6999998 | | | |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 96.6999969 | | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 21364 | | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 52716 | | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 2967684784 | | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 2138628886 | | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 969.01001 | | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 6.77999997e-005 | | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 969.01001 | | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000882000022 | | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 | | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 | | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | | | |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | | | | |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | 997.52002 | | | |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 | | | |
| VehDyn_Initialize_Cnt_M_lgc | 0 | | | |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 978 | | | |
| VehDyn_MaxOffset_HwDeg_M_f32 | | | | |
| VehDyn_MinOffset_HwDeg_M_f32 | -623 7.80000019 | | | |
| VehDyn_PinTrqSV_M_str.SV_UIs_f32 | | | | |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 VehDyn_SLPHwAuth_Uls_M_f32 | 0.000444000005 0.981000006 | | | |
| VehDyn_SLPHwPos_HwDeg_M_f32 | -337.429993 | | | |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 1262472576 | | | |
| k_HiSpdVDAuthority_Uls_f32 | 0.800000012 | | | |
| k_HwTqMgnThd_HwNm_f32 | 9.19999981 | | | |
| k_LoSpdVDAuthority_Uls_f32 | 0 | | | |
| k SrlHwAgVldTiThd mS u32 | 65 | | | |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 86.3000031 | | | |
| k TravelXCDeadband Uls f32 | 43.5499992 | | | |
| k TravelXCHwAuthority Uls f32 | 0.164849997 | | | |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 2059598336 | | | |
| target_GetSystemTime_mS_u32_CurrentTime | 1117112832 | | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTi | | | | |
| target Rte Call Ap VehDyn SystemTime GetSystemTime mS u32 CurrentTime | | 4178051584 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target VehDyn Per1 CwEOT HwDeg f32 | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target VehDyn Per1 HwTorque HwNm f32 | 2 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | | target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f3 | | | |
| target Rte Inst Ap VehDyn.VehDyn Per1 SensorlessAuthority Uls f32 | target VehDyn Per1 SensorlessAuthority U | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_Hw | _ | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc | target VehDyn Per1 SrlHwAgVld Cnt Igc | - 3_ - | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target VehDyn Per1 SrlHwAg HwDeg f32 | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target VehDyn Per1 TorqueCmdCRF MtrN | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc | target VehDyn Per1 VehicleSpeedValid Ci | _ | | |
| target Rte Inst Ap VehDyn.VehDyn Per1 VehicleSpeed Kph f32 | target VehDyn Per1 VehicleSpeed Kph f3 | , | | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -674 | | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 1293 | | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | -1.70000005 | | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | -900.549988 | | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | 969.01001 | | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 1 | | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | -337.429993 | | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | 8.19999981 | | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 0 | | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 123.459999 | | | |
| Name | Actual Value | Expected Value | Resul | |
| VehDyn AllowHiSpdAutoCntr Cnt M Igc | 1 | 1 | • | |
| VehDyn AutoCntrDetSpd M str.Timer1 mS u32 | 2967684784 | 2967684784 | | |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 2138628886 | 2138628886 | | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 969.01001 | 969.01001 ± 0.0009 | | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 969.01001 | 969.01001 ± 0.0009 | | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | | |
| | 0 | 0 | | |
| VenDyn AutoCntrDetSpd M str.Filter1Initialized Cnt Idc | | 0 | | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 10 | | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | | 1117112832 | | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 0 1117112832 2138628886 | | | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1117112832 | 1117112832 | | |



| Name | Actual Value | Expected Value | Result |
|-----------------------------------------------------------------|--------------|-----------------------|--------|
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 1117112832 | 1117112832 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 2138628886 | 2138628886 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 969.01001 | 969.01001 ± 0.0009 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 969.01001 | 969.01001 ± 0.0009 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 | 0 | ~ |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 | 0 | • |
| VehDyn_MaxOffset_HwDeg_M_f32 | 323.98999 | 323.98999 | • |
| VehDyn_MinOffset_HwDeg_M_f32 | -623 | -623 | ~ |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 7.79582453 | 7.79582405 ± 0.000009 | ~ |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 1262472576 | 1262472576 | ~ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 1 | 1 ± 0.004 | ~ |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | -337.429993 | -337.429993 ± 0.1 | ~ |

| T | | | | ✓ |
|-------------------------------------------------------|-------|-------------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32 | 1 | ✓ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Rte Call VehDvn Per1 CP1 CheckpointReached | 1 | Rte Call VehDvn Per1 CP1 CheckpointReached | 1 | ✓ |

| Test Step 2.127 (Repeat Count = 1) | |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|
| Name | Input Value |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| GetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 497.299988 |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 123.300003 |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 20 |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 45.2999992 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 12258 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 27401 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 3174948758 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 3382212733 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 459.209991 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000923999993 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1600 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000923999993 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 88.5 |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 236.5 |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 1.60000002 |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 52.5 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 20423 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 31368 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 3174948758 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 3382212733 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 459.209991 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000723999983 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 459.209991 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000440000003 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn AutoCntrHiSpd M str.Filter2Enable Cnt lgc | 0 |



| Name | Input Value |
|-----------------------------------------------------------------|-----------------|
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 88.3000031 |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 34.2999992 |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 12.3000002 |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 63.2999992 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 43190 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 3186 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 3174948758 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 3382212733 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 459.209991 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 7.20000025e-005 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 459.209991 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000923999993 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 0 |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | -101.489998 |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 |
| VehDyn_Initialize_Cnt_M_lgc | 0 |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 |
| VehDyn_MaxOffset_HwDeg_M_f32 | 1083.01404 |
| VehDyn_MinOffset_HwDeg_M_f32 | -483.34201 |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | -7 |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.00046499999 |
| VehDyn_SLPHwAuth_Uls_M_f32 | 7.2600002561005 |
| VehDyn_SLPHwPos_HwDeg_M_f32 | -121.970001 |
| VeT M_str.FiltPinTmer2_mS_u32 | |



| Name | Actual Value | Expected Value | Result |
|-----------------------------------------------------------------|--------------|------------------------|----------|
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 1736795392 | 1736795392 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 3382212733 | 3382212733 | • |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 459.209991 | 459.209991 ± 0.0009 | • |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 459.209991 | 459.209991 ± 0.0009 | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 1736795392 | 1736795392 | • |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 3382212733 | 3382212733 | • |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 459.209991 | 459.209991 ± 0.0009 | • |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 459.209991 | 459.209991 ± 0.0009 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | - |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 | 0 | ~ |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 | 0 | ~ |
| VehDyn_MaxOffset_HwDeg_M_f32 | 1177.04504 | 1177.04504 | • |
| VehDyn_MinOffset_HwDeg_M_f32 | -542.969971 | -542.969971 | • |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | -7.00023937 | -7.00023937 ± 0.000009 | • |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 1316564736 | 1316564736 | ~ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 0.617999971 | 0.617999971 ± 0.004 | ~ |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | 337.23999 | 337.23999 ± 0.1 | ~ |

| T | | | | V |
|----------------------------------------------------|-------|----------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | • |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | • |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ✓ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | • |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |

| est Step 2.128 (Repeat Count = 1) | |
|-------------------------------------------------------------------|--------------------------------------------------------------------------|
| lame | Input Value |
| rtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| etSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| te_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| te_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| te_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 |
| ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 570.5 |
| ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 166.5 |
| ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 7.5 |
| ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 32.0999985 |
| ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 34738 |
| ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 36612 |
| ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 3382212733 |
| ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 2553156835 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -913.679993 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000885999994 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -913.679993 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000885999994 |
| ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 350 |
| ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 96.1999969 |
| ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 8 |
| ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 42.2000008 |
| ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 53759 |
| ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 18715 |
| ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 3382212733 |
| ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 2553156835 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -913.679993 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000685999985 |



| Name | Input Value | | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|-------------------------------|--------|
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -913.679993 | | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000364000007 | | |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | | |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 | | |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | | |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | | |
| VehDyn AutoCntrLoSpd M str.MtrVel MtrRadpS f32 | 350.899994 | | |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 156.899994 | | |
| VehDyn AutoCntrLoSpd M str.FiltPinTrq HwNm f32 | 3.9000001 | | |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 52.9000015 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 21335 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 34188 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 3382212733 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 2553156835 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -913.679993 | | |
| VehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32 | 6.82000027e-005 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -913.679993 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000885999994 | | |
| VehDyn AutoCntrLoSpd M str.Filter1Enable Cnt Igc | 0 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | | |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 1 | | |
| VehDyn ForceCenterOffset HwDeg M f32 | 1197.33997 | | |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 | | |
| VehDyn_Initialize_Cnt_M_lgc | 0 | | |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 | | |
| VehDyn MaxOffset HwDeg M f32 | 988.166016 | | |
| VehDyn_MinOffset_HwDeg_M_f32 | -610.338013 | | |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | -5.4000001 | | |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000445999991 | | |
| VehDyn SLPHwAuth Uls M f32 | 0.978999972 | | |
| VehDyn SLPHwPos HwDeg M f32 | -316.910004 | | |
| VehDyn SrlHwAgVldTimer mS M u32 | 2644937728 | | |
| k_HiSpdVDAuthority_Uls_f32 | 1 | | |
| k_HwTqMgnThd_HwNm_f32 | 1.10000002 | | |
| k LoSpdVDAuthority Uls f32 | 0.779999971 | | |
| k_SrlHwAgVldTiThd_mS_u32 | 1385 | | |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 12.1000004 | | |
| k_TravelXCDeadband_Uls_f32 | 41.4900017 | | |
| k_TraveIXCHwAuthority_UIs_f32 | 0.167300001 | | |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 569984000 | | |
| target GetSystemTime mS u32 CurrentTime | 3437401088 | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedT | | | |
| target Rte Call Ap VehDyn SystemTime GetSystemTime mS u32 CurrentTime | | | |
| target Rte Inst Ap VehDyn.VehDyn Per1 CcwEOT HwDeg f32 | target VehDyn Per1 CcwEOT HwDeg f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target VehDyn Per1 HwTorque HwNm f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRad | | |
| target Rte Inst Ap VehDyn.VehDyn Per1 RelHwPos HwDeg f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f3 | | |
| target_Rte_Inst_Ap_vehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target VehDyn Per1 SensorlessAuthority U | | |
| target Rte Inst Ap VehDyn.VehDyn Per1 SensorlessHwPos HwDeg f32 | target_VehDyn_Per1_SensorlessHwPos_Hw | - | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc | target VehDyn Per1 SrlHwAgVld Cnt Igc | | |
| target_Rte_Inst_Ap_vehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target VehDyn Per1 SrlHwAg HwDeg f32 | | |
| target_Rte_Inst_Ap_vehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_MtrN | lm f32 | |
| target_Rte_Inst_Ap_vehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc | target_VehDyn_Per1_VehicleSpeedValid_Cr | | |
| target_Rte_Inst_Ap_vehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph_f3 | | |
| target_Kte_Irist_Ap_venDyn.VenDyn_Pen_venIcteSpeed_Kpn_isz target_VehDyn_Pen1_CcwEOT_HwDeg_f32.value | -661.909973 | <u>-</u> | |
| · · · · · · · · · · · · · · · · · · · | 1282.85596 | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value target VehDyn Per1 HwTorque HwNm f32.value | -2.2999995 | | |
| target_venDyn_Per1_Mvlorque_HwNrm_tsz.value target_vehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | -2.29999995 -418.660004 | | |
| | -913.679993 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 0 | | |
| | -316.910004 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 4.9000001 | | |
| THE VERY INDEPENDENCE NO PROPERTY AND THE VERY NO PROPERTY OF THE VERY NAMED IN THE | | | |
| | 0 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 42.9199982 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name | 42.9199982 Actual Value | Expected Value | Result |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 42.9199982 Actual Value 1 | 1 | ~ |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 42.9199982 Actual Value 1 3382212733 | 1 3382212733 | Result |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 42.9199982 Actual Value 1 3382212733 2553156835 | 1 3382212733 2553156835 | ~ |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 42.9199982 Actual Value 1 3382212733 | 1 3382212733 | · |



| Name | Actual Value | Expected Value | Result |
|-----------------------------------------------------------------|--------------|------------------------|----------|
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 3437401088 | 3437401088 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 2553156835 | 2553156835 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -913.679993 | -913.679993 ± 0.0009 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -913.679993 | -913.679993 ± 0.0009 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 3437401088 | 3437401088 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 2553156835 | 2553156835 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -913.679993 | -913.679993 ± 0.0009 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -913.679993 | -913.679993 ± 0.0009 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 | 0 | ✓ |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 | 0 | ~ |
| VehDyn_MaxOffset_HwDeg_M_f32 | 1282.85596 | 1282.85596 | ~ |
| VehDyn_MinOffset_HwDeg_M_f32 | -661.909973 | -661.909973 | ✓ |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | -5.39843702 | -5.39843702 ± 0.000009 | ~ |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 2644937728 | 2644937728 | ~ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 1 | 1 ± 0.004 | ~ |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | -1600 | -1600 ± 0.1 | ~ |

| T | | | | ✓ |
|----------------------------------------------------|-------|----------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | • |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ✓ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |

| Test Step 2.129 (Repeat Count = 1) | · |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|
| Name | Input Value |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| GetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 497.100006 |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 176.100006 |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 4.0999999 |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 37799 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 41632 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 3589476707 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 2760420809 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 476.670013 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.00088800001 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 476.670013 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.00088800001 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 400.200012 |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 106.5 |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 10.1999998 |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 12.1999998 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 13352 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 14442 |



| Name | Input Value | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--|--|
| | 3589476707 | | |
| | 2760420809 | | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 476.670013 | | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000688 | | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 476.670013 | | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000368000008 | | |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1 | | |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 | | |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | | |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | | |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 400.600006 | | |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 166.600006 | | |
| · - · · - · - · - · - · - · | 5.5999999 | | |
| | 41.5999985 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 12258 | | |
| | 36416 | | |
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| | 2760420809 | | |
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| | 6.8399997e-005 | | |
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| 7 2 47 11 21 2 231 | 1 | | |
| , = = = = = = = = = = = = = = = = = = = | | | |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | | |
| VehDyn_MaxOffset_HwDeg_M_f32 | -993.15802 | | |
| VehDyn_MinOffset_HwDeg_M_f32 | -603.653992 | | |
| 7 - 1 | 7.5999999 | | |
| | 0.00044699999 | | |
| , | 0.959999979 | | |
| VehDyn_SLPHwPos_HwDeg_M_f32 | -306.649994 | | |
| , _ 0 | 2212175616 | | |
| - ' ' | 0 | | |
| _ 1 5 1 | 1.20000005 | | |
| | 0.800000012 | | |
| k_SrlHwAgVldTiThd_mS_u32 | 744 | | |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 53.099985 | | |
| k_TravelXCDeadband_Uls_f32 | 40.4599991 | | |
| k_TravelXCHwAuthority_Uls_f32 | 0.168524995 | | |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 3351443200 | | |
| target_GetSystemTime_mS_u32_CurrentTime | 3494315776 | | |
| $target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi$ | 824746752 | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime | 2212175616 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 | | |
| | target_VehDyn_Per1_HwTorque_HwNm_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | | |
| | target_VehDyn_Per1_RelHwPos_HwDeg_f32 | | |
| | target_VehDyn_Per1_SensorlessAuthority_Uls_f32 | | |
| target Rte Inst Ap VehDyn.VehDyn Per1 SensorlessHwPos HwDeg f32 | target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | | |
| V = | target VehDyn Per1 SrlHwAgVld Cnt Igc | | |
| | target VehDyn Per1 SrlHwAg HwDeg f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | | |
| | target_Venbyn_ren_Torquecindcit_within_i32 target_Venbyn_ren_Torquecindcit_within_i32 | | |
| | target_VehDyn_Per1_VehicleSpeed_Kph_f32 | | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -655.650024 | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 1277.28699 | | |
| target_VehDyn_Per1_CwEO1_hwDeg_l32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value | -2.5999999 | | |
| | -425 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | | | |
| 0 _ / | 476.670013 | | |
| 3 12 23 23 | 1 | | |
| | -306.649994 5.599999 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 1 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | | | |



| Name | Actual Value | Expected Value | Result |
|------------------------------------------------------------------|--------------|-----------------------|----------|
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 3494315776 | 3494315776 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 2760420809 | 2760420809 | • |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 476.670013 | 476.670013 ± 0.0009 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 476.670013 | 476.670013 ± 0.0009 | - |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | - |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 3589476707 | 3589476707 | • |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 2760420809 | 2760420809 | - |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 476.670013 | 476.670013 ± 0.0009 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 476.670013 | 476.670013 ± 0.0009 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | - |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 3589476707 | 3589476707 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 2760420809 | 2760420809 | - |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 476.670013 | 476.670013 ± 0.0009 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 476.670013 | 476.670013 ± 0.0009 | - |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 | 1 | ✓ |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | - |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | 1 | ✓ |
| VehDyn_MaxOffset_HwDeg_M_f32 | -993.15802 | -993.15802 | ✓ |
| VehDyn_MinOffset_HwDeg_M_f32 | -603.653992 | -603.653992 | ✓ |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 7.59548759 | 7.59548759 ± 0.000009 | <u> </u> |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 2212175616 | 2212175616 | ✓ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 0.959999979 | 0.959999979 ± 0.004 | ✓ |
| target VehDyn Per1 SensorlessHwPos HwDeg f32.value | 170.02002 | 170.020004 ± 0.1 | • |

| Τ | | | | V |
|----------------------------------------------------|-------|----------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | ✓ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | • |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ✓ |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | • |

| Test Step 2.130 (Repeat Count = 1) | ✓ |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|
| Name | Input Value |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| GetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 539.799988 |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 216.800003 |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 1.79999995 |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 100 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 10412 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 3277 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 54822322 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 1078320779 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -275.019989 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000829999975 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -275.019989 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000829999975 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 600.200012 |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 88.4000015 |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 10.1999998 |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 52.2000008 |



| Name | Input Value |
|---------------------------------------------------------------------------------------------------------------|------------------------------------------------|
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 38868 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 57944 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 54822322 |
| | |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 1078320779 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -275.019989 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000617999991 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -275.019989 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000228000004 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 539.099976 |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 176.100006 |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 3.0999999 |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 86.0999985 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 16683 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 22497 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 54822322 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 1078320779 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -275.019989 |
| VehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32 | 6.0999988e-005 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -275.019989 |
| VehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32 | 0.000829999975 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| VehDyn AutoCntrLoSpd M str.Filter2Enable Cnt Igc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | 997.52002 |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 |
| VehDyn_Initialize_Cnt_M_lgc | 1 |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 |
| VehDyn_MaxOffset_HwDeg_M_f32 | 818.437988 |
| VehDyn_MinOffset_HwDeg_M_f32 | -837.593994 |
| VehDyn_PinTrqSV_M_str.SV_UIs_f32 | -1.60000002 |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000411999994 |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.437000006 |
| VehDyn_SLPHwPos_HwDeg_M_f32 | -665.75 |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 2728878080 |
| k_HiSpdVDAuthority_Uls_f32 | 0.899999976 |
| k_HwTqMgnThd_HwNm_f32 | 3.0999999 |
| k LoSpdVDAuthority UIs f32 | 0.100000001 |
| k_SrlHwAgVldTiThd_mS_u32 | 3229 |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 41.0999985 |
| k TravelXCDeadband Uls f32 | 76.5100021 |
| k TravelXCHwAuthority Uls f32 | 0.125650004 |
| target DtrmnElapsedTime mS u32 ElapsedTime | 437658624 |
| target_GetSystemTime_mS_u32_CurrentTime | 4243378688 |
| target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedT | |
| target Rte Call Ap VehDyn SystemTime GetSystemTime mS u32 CurrentTime | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 |
| | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 |
| 0 = = = 1 = | target_VehDyn_Per1_HwTorque_HwNm_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_UIs_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc | target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph_f32 |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -874.75 |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 1356.87 |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | 4 |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | -75.5400009 |
| target VehDyn Per1 RelHwPos HwDeg f32.value | -275.019989 |
| target VehDyn Per1 SrlHwAgVld Cnt Igc.value | 1 |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | -665.75 |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | 3.20000005 |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 0 |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 456.869995 |
| target_veribyri_r or i_veriloloopeeu_rvpri_loz.value | 700.000000 |



Name



| Name | Input Value |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 126 |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 14 |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 86.5 |
| VehDyn AutoCntrHiSpd M str.Timer1Thresh mS u16 | 33198 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 7778 |
| | |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 4004004656 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 3174948758 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1377.90002 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000691999972 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1377.90002 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000376000011 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 200.600006 |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 186.600006 |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 7.5999999 |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 88.5999985 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 26195 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 22037 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 4004004656 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 3174948758 |
| VehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32 | -1377.90002 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 6.88e-005 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1377.90002 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000891999982 |
| VehDyn AutoCntrLoSpd M str.Filter1Enable Cnt Igc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 0 |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | 1497.06995 |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | |
| VehDyn_Initialize_Cnt_M_lgc | 0 |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 |
| VehDyn_MaxOffset_HwDeg_M_f32 | 1003.14203 |
| VehDyn_MinOffset_HwDeg_M_f32 | -590.286011 |
| VehDyn_PinTrqSV_M_str.SV_UIs_f32 | -1.60000002 |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000449000014 |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.921999991 |
| VehDyn_SLPHwPos_HwDeg_M_f32 | -286.130005 |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 800969984 |
| k_HiSpdVDAuthority_Uls_f32 | 0 |
| k_HwTqMgnThd_HwNm_f32 | 0.00120000006 |
| k_LoSpdVDAuthority_UIs_f32 | 0.777999997 |
| k SrlHwAgVldTiThd mS u32 | 701 |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 96.5 |
| k TravelXCDeadband Uls f32 | 38.4000015 |
| k TravelXCHwAuthority UIs f32 | 0.170975 |
| target DtrmnElapsedTime mS u32 ElapsedTime | 1975593216 |
| target GetSystemTime mS u32 CurrentTime | 1759885568 |
| target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedT | |
| target_Rte_Call_Ap_venDyn_SystemTime_DtiminElapsedTime_mis_usz_ElapsedT target_Rte_Call_Ap_venDyn_SystemTime_GetSystemTime_ms_usz_ElapsedTime_mis_usz_ElapsedTime_ns_usz_ElapsedTime_ns_usz_ElapsedTime_ns_usz_ElapsedTime_ns_usz_ElapsedTime_ns_usz_ElapsedTime_ns_usz_ElapsedTime_ns_usz_ElapsedTime_ns_usz_ElapsedTime_ns_usz_ElapsedTime_ns_usz_ElapsedTime_ns_usz_ElapsedTime_ns_usz_ElapsedTime_ns_usz_ElapsedTime_ns_usz_ElapsedTime_ns_usz_ElapsedTime_ns_usz_ElapsedTime_ns_usz_ElapsedTime_ns_usz_ElapsedTime_ns_usz_ElapsedTime_ns_usz_ElapsedTime_ns_usz_ElapsedTime_ns_usz_ElapsedTime_ns_usz_ElapsedTime_ns_usz_ElapsedTime_ns_usz_ElapsedTime_ns_usz_ElapsedTime_ns_usz_ElapsedTime_ns_usz_ElapsedTime_ns_usz_ElapsedTime_ns_usz_ElapsedTime_ns_usz_ElapsedTime_ns_usz_ElapsedTime_ns_usz_ElapsedTime_ns_usz_ElapsedTime_ns_usz_ElapsedTime_ns_usz_ElapsedTime_ns_usz_ElapsedTime_ns_usz_ElapsedTime_ns_usz_ElapsedTime_ns_usz_ElapsedTime_ns_usz_ElapsedTime_ns_usz_ElapsedTime_ns_usz_ElapsedTime_ns_usz_ElapsedTime_ns_usz_ElapsedTime_ns_usz_ElapsedTime_ns_usz_ElapsedTime_ns_usz_ElapsedTime_ns_usz_ElapsedTime_ns_usz_ElapsedTime_ns_usz_ElapsedTime_ns_usz_ElapsedTime_ns_usz_ElapsedTime_ns_usz_ElapsedTime_ns_usz_ElapsedTime_ns_usz_ElapsedTime_ns_usz_ElapsedTime_ns_usz_ElapsedTime_ns_usz_ElapsedTime_ns_usz_ElapsedTime_ns_ElapsedTime_ns_ElapsedTime_ns_ElapsedTime_ns_ElapsedTime_ns_ElapsedTime_ns_ElapsedTime_ns_ElapsedTime_ns_ElapsedTime_ns_ElapsedTime_ns_ElapsedTime_ns_ElapsedTime_ns_ElapsedTime_ns_ElapsedTime_ns_ElapsedTime_ns_ElapsedTime_ns_ElapsedTime_ns_ElapsedTime_ns_ElapsedTime_ns_ElapsedTime_ns_ElapsedTime_ns_ElapsedTime_ns_ElapsedTime_ns_ElapsedTime_ns_ElapsedTime_ns_ElapsedTime_ns_ElapsedTime_ns_ElapsedTime_ns_ElapsedTime_ns_ElapsedTime_ns_ElapsedTime_ns_ElapsedTime_ns_ElapsedTime_ns_ElapsedTime_ns_ElapsedTime_ns_ElapsedTime_ns_ElapsedTime_ns_ElapsedTime_ns_ElapsedTime_ns_ElapsedTime_ns_ElapsedTime_ns_ElapsedTime_ns_ElapsedTime_ns_ElapsedTime_ns_ElapsedTime_ns_ElapsedTime_ns_ElapsedTime_ns_ElapsedTime_ns_ElapsedTime_ns_ElapsedTime_ns_Elapse | |
| | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_Uls_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc | target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph_f32 |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -643.130005 |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 1266.14905 |
| target VehDyn Per1 HwTorque HwNm f32.value | -3.20000005 |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | -753.880005 |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | -1377.90002 |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 0 |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | -286.130005 |
| angon on Dyn_i or i_oni im/ ig_i iwbog_ioz.value | 200.100000 |



| Name | Input Value | | |
|------------------------------------------------------------------|--------------|------------------------|----------|
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | 7.80000019 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 1 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 139.990005 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 1759885568 | 1759885568 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 3174948758 | 3174948758 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1377.90002 | -1377.90002 ± 0.009 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1377.90002 | -1377.90002 ± 0.009 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 4004004656 | 4004004656 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 3174948758 | 3174948758 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1377.90002 | -1377.90002 ± 0.009 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1377.90002 | -1377.90002 ± 0.009 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 4004004656 | 4004004656 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 3174948758 | 3174948758 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1377.90002 | -1377.90002 ± 0.009 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1377.90002 | -1377.90002 ± 0.009 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 | 1 | ✓ |
| VehDyn_Initialize_Cnt_M_Igc | 1 | 1 | ✓ |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | 1 | ✓ |
| VehDyn_MaxOffset_HwDeg_M_f32 | 1266.14905 | 1266.14905 | ✓ |
| VehDyn_MinOffset_HwDeg_M_f32 | -643.130005 | -643.130005 | ✓ |
| VehDyn_PinTrqSV_M_str.SV_UIs_f32 | -1.60068214 | -1.60068214 ± 0.000009 | ~ |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 800969984 | 800969984 | ~ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 0.921999991 | 0.921999991 ± 0.004 | ~ |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | -1600 | -1600 ± 0.1 | ✓ |

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|----------------------------------------------------|-------|----------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | ✓ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | • |
| Rte Call VehDvn Per1 CP1 CheckpointReached | 1 | Rte Call VehDvn Per1 CP1 CheckpointReached | 1 | ✓ |

| Test Step 2.132 (Repeat Count = 1) | ✓ |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|
| Name | Input Value |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| GetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 604.5 |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 206.5 |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 18.5 |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 96.5 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 23667 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 4211268631 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 3382212733 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1380.59998 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000893999997 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1380.59998 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000893999997 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |



| Name Input Value VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 0 VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 457 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 136.199997 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 16.2000008 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 96.1999969 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 21335 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 34188 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 4211268631 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 33822127733 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 -1380.59998 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 -1380.59998 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 -1380.59998 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 0.000380000012 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 0 VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc 0 | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 VehDyn_AutoCntrHiSpd_M_str.Timer2M_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 0 | |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 457 VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 136.199997 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 16.2000008 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 96.1999969 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 21335 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 34188 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 4211268631 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 3382212733 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 -1380.59998 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_UIs_f32 0.000693999988 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 -1380.59998 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 0.000380000012 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 0 | |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 136.199997 VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 16.2000008 VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 96.1999969 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 21335 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 34188 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 4211268631 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 3382212733 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 -1380.59998 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_UIs_f32 0.000693999988 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 -1380.59998 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 -1380.59998 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 0.000380000012 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 0 | |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 96.1999969 VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 21335 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 34188 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 4211268631 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 3382212733 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 -1380.59998 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_UIs_f32 0.000693999988 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 -1380.59998 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 0.000380000012 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 0 | |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 21335 VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 34188 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 4211268631 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 3382212733 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 -1380.59998 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_UIs_f32 0.000693999988 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 -1380.59998 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 0.000380000012 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 0 | |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 34188 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 4211268631 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 3382212733 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 -1380.59998 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_UIs_f32 0.000693999988 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 -1380.59998 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 0.000380000012 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 0 | |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 4211268631 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 3382212733 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 -1380.59998 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_UIs_f32 0.000693999988 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 -1380.59998 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 0.000380000012 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 0 | |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 0 | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 0 | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 0 | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 0 | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 0 | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 0.000380000012 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 0 | |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 0 | |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 0 | |
| 7 - 7 - 2 - 2 | |
| | |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 | |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 457.899994 | |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 196.899994 | |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 5.9000001 | |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 75.9000015 | |
| VehDyn AutoChtrLoSpd M str.Timer1Thresh mS u16 43190 | |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 43186 | |
| VenDyn_AutoCntrLoSpd_M_str.Timer21nresn_mS_u16 3186 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 4211268631 | |
| · - · · | |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 -1380.59998 | |
| , _ , _ , | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 6.90000015e-005 | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 -1380.59998 | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 0.000893999997 | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 0 | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 1 | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc 1 | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0 | |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc 0 | |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 1596.97998 | |
| VehDyn_HiSpdLearnt_Cnt_M_lgc 0 | |
| VehDyn_Initialize_Cnt_M_lgc 0 | |
| VehDyn_LoSpdLearnt_Cnt_M_lgc 0 | |
| VehDyn_MaxOffset_HwDeg_M_f32 1008.13397 | |
| VehDyn_MinOffset_HwDeg_M_f32 -583.60199 | |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 -14.8000002 | |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 0.000449999992 | |
| VehDyn_SLPHwAuth_Uls_M_f32 0.902999997 | |
| VehDyn_SLPHwPos_HwDeg_M_f32 -275.869995 | |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 2659241984 | |
| k_HiSpdVDAuthority_Uls_f32 1 | |
| k_HwTqMgnThd_HwNm_f32 1.10000002 | |
| k_LoSpdVDAuthority_UIs_f32 0 | |
| k_SrlHwAgVldTiThd_mS_u32 702 | |
| k_SysKinRatio_MtrDegpHwDeg_f32 45.0999985 | |
| k_TravelXCDeadband_Uls_f32 37.3699989 | |
| k_TravelXCHwAuthority_UIs_f32 0.172199994 | |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime 910116864 | |
| target_GetSystemTime_mS_u32_CurrentTime 1662097408 | |
| target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi 89 | |
| target Rte Call Ap VehDyn SystemTime GetSystemTime mS u32 CurrentTime 2659241984 | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32 | |
| target Rte Inst Ap VehDyn.VehDyn Per1 CwEOT HwDeg f32 target VehDyn Per1 CwEOT HwDeg f32 | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_HwTorque_HwNm_f32 target_VehDyn_Per1_HwTorque_HwNm_f32 | |
| target Rte Inst Ap VehDyn.VehDyn Per1 MotorVelCRF MtrRadpS f32 target VehDyn Per1 MotorVelCRF MtrRadpS f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_VehDyn_Per1_SensorlessAuthority_Uls_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | |
| target_Rte_inst_Ap_venDyn.venDyn_Per1_Sensonessnwros_nwbeg_isz target_Rte_inst_Ap_venDyn.venDyn_Per1_SriHwAgVld_Cnt_lgc target_VenDyn_Per1_SriHwAgVld_Cnt_lgc | |
| | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 target_VehDyn_Per1_SrlHwAg_HwDeg_f32 | |
| | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value -636.869995 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_Veh | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc target_VehDyn_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 | |



| Name | Input Value | | |
|------------------------------------------------------------------|--------------|-----------------------|----------|
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 0 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | -275.869995 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | 3.20000005 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 0 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 387.450012 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 4211268631 | 4211268631 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 3382212733 | 3382212733 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1380.59998 | -1380.59998 ± 0.009 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1380.59998 | -1380.59998 ± 0.009 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 1662097408 | 1662097408 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 3382212733 | 3382212733 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1380.59998 | -1380.59998 ± 0.009 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1380.59998 | -1380.59998 ± 0.009 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 1662097408 | 1662097408 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 3382212733 | 3382212733 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1380.59998 | -1380.59998 ± 0.009 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1380.59998 | -1380.59998 ± 0.009 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 | 0 | ~ |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 | 0 | ~ |
| VehDyn_MaxOffset_HwDeg_M_f32 | 1260.57996 | 1260.57996 | ~ |
| VehDyn_MinOffset_HwDeg_M_f32 | -636.869995 | -636.869995 | ~ |
| VehDyn_PinTrqSV_M_str.SV_UIs_f32 | -14.7948837 | -14.7948828 ± 0.00009 | ~ |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 2659241984 | 2659241984 | ~ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 0.902999997 | 0.902999997 ± 0.004 | ~ |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | -1600 | -1600 ± 0.1 | ~ |

| T | | | ✓ | |
|----------------------------------------------------|-------|----------------------------------------------------|----------|--------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | • |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | • |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | - |

| Test Step 2.133 (Repeat Count = 1) | ✓ |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|
| Name | Input Value |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| GetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 554.099976 |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 216.100006 |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 16.1000004 |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 32.0999985 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 60000 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 49369 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 1024 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 3589476707 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 703.02002 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000896000012 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 703.02002 |



| Name | Input Value |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000896000012 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| VehDyn AutoCntrDetSpd M str.Filter2Enable Cnt Igc | 0 |
| | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 498.200012 |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 146 |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 18.5 |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 45 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 12258 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 36416 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 1024 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 3589476707 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 703.02002 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000696000003 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 703.02002 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000384000014 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| VehDyn AutoCntrLoSpd M str.MtrVel MtrRadpS f32 | 498.299988 |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 206.300003 |
| VehDyn AutoCntrLoSpd M str.FiltPinTrg HwNm f32 | 3,2999995 |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 97.3000031 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 30404 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 30349 |
| | 1024 |
| VehDyn_AutoCntrl_oCod_M_str.Timer1_mS_u32 | |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 3589476707 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 703.02002 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 6.9200031e-005 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 703.02002 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000896000012 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 1 |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | -1500.22998 |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 |
| VehDyn_Initialize_Cnt_M_lgc | 1 |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 |
| VehDyn_MaxOffset_HwDeg_M_f32 | 1013.12598 |
| VehDyn_MinOffset_HwDeg_M_f32 | -576.91803 |
| VehDyn_PinTrqSV_M_str.SV_UIs_f32 | 17.7999992 |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000451 |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.884000003 |
| VehDyn SLPHwPos HwDeg M f32 | -265.609985 |
| VehDyn SrlHwAgVldTimer mS M u32 | 2942063360 |
| k HiSpdVDAuthority UIs f32 | 0 |
| k HwTqMgnThd HwNm f32 | 2.099999 |
| k_LoSpdVDAuthority_Uls_f32 | 2.0999999 |
| | 703 |
| k_SrlHwAgVldTiThd_mS_u32 | |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 78.4000015 |
| k_TravelXCDeadband_Uls_f32 | 36.3400002 |
| k_TraveIXCHwAuthority_UIs_f32 | 0.173425004 |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 402713344 |
| target_GetSystemTime_mS_u32_CurrentTime | 2127166208 |
| $target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_Elapse$ | |
| target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_ | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_Uls_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAgVld_Cnt_Igc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc | target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed.Kph_f32 |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -630.609985 |
| target_veribyit_i eri_oewtert_liwbeg_ioz.value | 000.000000 |



| | | | ACICAU |
|------------------------------------------------------------------|--------------|----------------------|----------|
| Name | Input Value | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 1255.01099 | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | -3.79999995 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | -759.549988 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | 703.02002 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 1 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | -265.609985 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | -5.4000001 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 1 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 398.119995 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn AllowHiSpdAutoCntr Cnt M Igc | 0 | 0 | ~ |
| VehDyn AutoCntrDetSpd M str.Timer1 mS u32 | 2127166208 | 2127166208 | ✓ |
| VehDyn AutoCntrDetSpd M str.Timer2 mS u32 | 3589476707 | 3589476707 | |
| VehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32 | 703.02002 | 703.02002 ± 0.0009 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 703.02002 | 703.02002 ± 0.0009 | |
| VehDyn AutoCntrDetSpd M str.Filter1Enable Cnt lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | |
| VehDyn AutoCntrDetSpd M str.Filter1Initialized Cnt Igc | 1 | 1 | ~ |
| VehDyn AutoCntrDetSpd M str.Filter2Initialized Cnt Igc | 1 | 1 | |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 1024 | 1024 | V |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 3589476707 | 3589476707 | |
| VehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32 | 703.02002 | 703.02002 ± 0.0009 | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 703.02002 | 703.02002 ± 0.0009 | |
| VehDyn AutoCntrHiSpd M str.Filter1Enable Cnt Igc | 1 | 1 | |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | |
| VehDyn_AutoCntrloSpd_M_str.Timer1_mS_u32 | 1024 | 1024 | |
| VehDyn AutoCntrLoSpd M str.Timer mS u32 | 3589476707 | 3589476707 | |
| VehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32 | 703.02002 | 703.02002 ± 0.0009 | |
| 7 - 7 | 703.02002 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1 | 703.02002 ± 0.0009 | - V |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | | | Ž |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | | Ž |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | Ž |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 | 1 | |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | - |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | 1 | * |
| VehDyn_MaxOffset_HwDeg_M_f32 | 551.990967 | 551.991028 | ~ |
| VehDyn_MinOffset_HwDeg_M_f32 | -576.91803 | -576.91803 | * |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 17.790226 | 17.7902279 ± 0.00009 | ~ |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 2942063360 | 2942063360 | ~ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 1 | 1 ± 0.004 | ~ |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | 1600 | 1600 ± 0.1 | ✓ |

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|----------------------------------------------------|-------|----------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |

| Test Step 2.134 (Repeat Count = 1) | 🔻 |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|
| Name | Input Value |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| GetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 600 |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 156 |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 18 |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 52 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 18774 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 16088 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 54822322 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 3796740682 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 829.530029 |



| Name | Input Value |
|-----------------------------------------------------------------------|---------------------------------------------|
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000898000028 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 829.530029 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000898000028 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 539 |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 156.5 |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 3.20000005 |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 78.1999969 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 34738 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 36612 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 54822322 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 3796740682 |
| VehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32 | 829.530029 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000698000018 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 829.530029 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000387999986 |
| VehDyn AutoCntrHiSpd M str.Filter1Enable Cnt lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_Igc | 0 |
| VehDyn AutoCntrHiSpd M str.Filter2Initialized Cnt Igc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 539.099976 |
| VehDyn AutoCntrLoSpd M str.VehSpd kph f32 | 216.100006 |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 1.1000000 |
| | 86.099985 |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 10412 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 3277 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 54822322 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 3796740682 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 829.530029 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 6.93999973e-005 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 829.530029 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000898000028 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 0 |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | -1400.31995 |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 |
| VehDyn_Initialize_Cnt_M_lgc | 1 |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 |
| VehDyn_MaxOffset_HwDeg_M_f32 | 1018.11798 |
| VehDyn_MinOffset_HwDeg_M_f32 | -570.234009 |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | -7 |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000452000007 |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.86500001 |
| VehDyn_SLPHwPos_HwDeg_M_f32 | -255.350006 |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 4077829376 |
| k_HiSpdVDAuthority_Uls_f32 | 1 |
| k_HwTqMgnThd_HwNm_f32 | 3.0999999 |
| k_LoSpdVDAuthority_UIs_f32 | 0 |
| k_SrlHwAgVldTiThd_mS_u32 | 9000 |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 96.0999985 |
| k_TravelXCDeadband_Uls_f32 | 35.3100014 |
| k_TravelXCHwAuthority_Uls_f32 | 0.174649999 |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 4178051584 |
| target_GetSystemTime_mS_u32_CurrentTime | 4243378688 |
| target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedT | |
| target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPosP | tadpS_f32 |
| 5 # | |

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| | | | 1012010 |
|------------------------------------------------------------------|----------------------------|------------------------|----------|
| Name | Input Value | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_Vehicle | Speed_Kph_f32 | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -624.349976 | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 1249.44202 | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | -4.0999999 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | 154 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | 829.530029 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 1 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | -255.350006 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | 7.5999999 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 0 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 489.019989 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn AllowHiSpdAutoCntr Cnt M Igc | 1 | 1 | |
| VehDyn AutoCntrDetSpd M str.Timer1 mS u32 | 54822322 | 54822322 | ✓ |
| VehDyn AutoCntrDetSpd M str.Timer2 mS u32 | 3796740682 | 3796740682 | _ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 829.530029 | 829.530029 ± 0.0009 | ~ |
| VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32 | 829.530029 | 829.530029 ± 0.0009 | _ |
| VehDyn AutoCntrDetSpd M str.Filter1Enable Cnt Igc | 1 | 1 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | _ |
| VehDyn AutoCntrDetSpd M str.Filter1Initialized Cnt Igc | 1 | 1 | ✓ |
| VehDyn AutoCntrDetSpd M str.Filter2Initialized Cnt Igc | 0 | 0 | _ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 4243378688 | 4243378688 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 3796740682 | 3796740682 | _ |
| VehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32 | 829.530029 | 829.530029 ± 0.0009 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 829.530029 | 829.530029 ± 0.0009 | _ |
| VehDyn AutoCntrHiSpd M str.Filter1Enable Cnt Igc | 0 | 0 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | _ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 4243378688 | 4243378688 | ✓ |
| VehDyn AutoCntrLoSpd M str.Timer2 mS u32 | 3796740682 | 3796740682 | _ |
| VehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32 | 829.530029 | 829.530029 ± 0.0009 | _ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 829.530029 | 829.530029 ± 0.0009 | _ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | • |
| VehDyn AutoCntrLoSpd M str.Filter2Enable Cnt Igc | 1 | 1 | |
| VehDyn AutoCntrLoSpd M str.Filter1Initialized Cnt Igc | 1 | 1 | _ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | |
| VehDyn HiSpdLearnt Cnt M Igc | 0 | 0 | ~ |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | _ |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 | 0 | _ |
| VehDyn_MaxOffset_HwDeg_M_f32 | 419.911987 | 419.911987 | _ |
| VehDyn MinOffset HwDeg M f32 | -570.234009 | -570.234009 | • |
| VehDyn PinTrgSV M str.SV Uls f32 | -6.99865341 | -6.99865341 ± 0.000009 | _ |
| VehDyn SrlHwAgVldTimer mS M u32 | 4077829376 | 4077829376 | ✓ |
| , | | | |

| T | | | | ✓ |
|----------------------------------------------------|-------|----------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ✓ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |

0.86500001

574.180054

0.86500001 ± 0.004

574.179993 ± 0.1

| Test Step 2.135 (Repeat Count = 1) | |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|
| Name | Input Value |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| GetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 200.399994 |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 166.399994 |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 8.39999962 |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 41.4000015 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 25496 |

 $target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value$

target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value



| Name | Input Value |
|-----------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 109643620 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 4004004656 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1123.40002 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.00089999985 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1123.40002 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.00089999985 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 580.5 |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 126 |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 5.19999981 |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 96 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 37799 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 41632 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 109643620 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 4004004656 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1123.40002 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000699999975 |
| VehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32 | 1123.40002 |
| VehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32 | 0.000391999987 |
| VehDyn AutoCntrHiSpd M str.Filter1Enable Cnt lqc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 580.299988 |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 156.300003 |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 2.2999995 |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 42.2999992 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 16683 |
| VehDyn AutoCntrLoSpd M str.Timer2Thresh mS u16 | 22497 |
| | 109643620 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 4004004656 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 1123.40002 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_UIs_f32 | 6.95999988e-005 |
| , - , | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1123.40002 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.00089999985 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 0 |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | -1300.41003 |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | |
| VehDyn_Initialize_Cnt_M_lgc | 0 |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 |
| VehDyn_MaxOffset_HwDeg_M_f32 | -1023.10999 |
| VehDyn_MinOffset_HwDeg_M_f32 | -563.549988 |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 6.30000019 |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000452999986 |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.846000016 |
| VehDyn_SLPHwPos_HwDeg_M_f32 | -245.089996 |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 1117112832 |
| k_HiSpdVDAuthority_UIs_f32 | 0 |
| k_HwTqMgnThd_HwNm_f32 | 4.0999999 |
| k_LoSpdVDAuthority_Uls_f32 | 1 |
| k_SrlHwAgVldTiThd_mS_u32 | 1000 |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 32.2999992 |
| k_TravelXCDeadband_Uls_f32 | 34.2799988 |
| k_TravelXCHwAuthority_Uls_f32 | 0.175874993 |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 4077829376 |
| target_GetSystemTime_mS_u32_CurrentTime | 1050692864 |
| target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedT | |
| target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 | target VehDyn Per1 CcwEOT HwDeg f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_Uls_f32 |
| target_Rte_Inst_Ap_vehDyn.VehDyn_Per1_SensorlessAuthority_Ois_132 target_Rte_Inst_Ap_vehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target VehDyn Per1 SensorlessHwPos HwDeg f32 |
| target_rite_mot_pp_venbyn.venbyn_ren_oenounesonwrus_nwbeg_isz | targot_vonDyn_r or 1_oursoncost NVF US_T IWDEG_102 |



| Name | Input Value | | |
|------------------------------------------------------------------|-------------------------------------------|-----------------------|----------|
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc | target_VehDyn_Per1_VehicleSpeed | Valid_Cnt_lgc | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed | I_Kph_f32 | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -618.090027 | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 1243.87305 | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | -4.4000001 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | -759.840027 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | 1123.40002 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 0 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | -245.089996 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | 1.5 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 1 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 500.980011 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 0 | 0 | ~ |
| VehDyn AutoCntrDetSpd M str.Timer1 mS u32 | 1050692864 | 1050692864 | • |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 4004004656 | 4004004656 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1123.40002 | 1123.40002 ± 0.009 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1123.40002 | 1123.40002 ± 0.009 | • |
| VehDyn AutoCntrDetSpd M str.Filter1Enable Cnt lgc | 0 | 0 | • |
| VehDyn AutoCntrDetSpd M str.Filter2Enable Cnt lgc | 0 | 0 | • |
| VehDyn AutoCntrDetSpd M str.Filter1Initialized Cnt Igc | 0 | 0 | • |
| VehDyn AutoCntrDetSpd M str.Filter2Initialized Cnt Igc | 1 | 1 | • |
| VehDyn AutoCntrHiSpd M str.Timer1 mS u32 | 109643620 | 109643620 | • |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 4004004656 | 4004004656 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1123.40002 | 1123.40002 ± 0.009 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1123.40002 | 1123.40002 ± 0.009 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 109643620 | 109643620 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 4004004656 | 4004004656 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1123.40002 | 1123.40002 ± 0.009 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1123.40002 | 1123.40002 ± 0.009 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_MaxOffset_HwDeg_M_f32 | 1243.87305 | 1243.87305 | ~ |
| VehDyn_MinOffset_HwDeg_M_f32 | -618.090027 | -618.090027 | ~ |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 6.29517412 | 6.29517412 ± 0.000009 | ~ |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 1117112832 | 1117112832 | ~ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 0.846000016 | 0.846000016 ± 0.004 | ~ |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | 878.310059 | 878.309998 ± 0.1 | ~ |
| | | | |

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|----------------------------------------------------|-------|----------------------------------------------------|-------|--------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | • |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | • |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | • |

| Test Step 2.136 (Repeat Count = 1) | | |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|--|
| Name | Input Value | |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime | |
| GetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime | |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime | |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime | |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn | |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 0 | |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 9.10000038 | |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 226.100006 | |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 4.0999999 | |



| | (|
|-----------------------------------------------------------------------|---------------------------------------------|
| Name | Input Value |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 53.099985 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 21364 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 60000 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 2553156835 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 2760420809 |
| | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -6.48000002 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 2.51327106e-006 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -6.48000002 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.00091599999 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 100.5 |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 206 |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 7.4000001 |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 85.5 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 2291 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 58929 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 2553156835 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 2760420809 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -6.48000002 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.00071599998 |
| VehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32 | -6.48000002 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000423999998 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| VehDyn AutoCntrHiSpd M str.Filter1Initialized Cnt Igc | 1 |
| | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 100.300003 |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 236.300003 |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 4.30000019 |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 32.2999992 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 20423 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 31368 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 2553156835 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 2760420809 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -6.48000002 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 7.11999965e-005 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -6.48000002 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.00091599999 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 1 |
| VehDyn ForceCenterOffset HwDeg M f32 | -501.130005 |
| VehDyn HiSpdLearnt Cnt M Igc | 1 |
| VehDyn_nitialize Cnt M lqc | 0 |
| VehDyn_initialize_Cht_in_igc VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 |
| VehDyn_LoSpacearin_Chi_iw_igc VehDyn_MaxOffset_HwDeq_M_f32 | -1063.04602 |
| VenDyn_MaxOriset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32 | -510.078003 |
| | -1.60000002 |
| VehDyn_PinTrqSV_M_str.SV_UIs_f32 | |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.00046099989 |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.694000006 |
| VehDyn_SLPHwPos_HwDeg_M_f32 | -163.009995 |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 2127166208 |
| k_HiSpdVDAuthority_Uls_f32 | 0 |
| k_HwTqMgnThd_HwNm_f32 | 6.32000017 |
| k_LoSpdVDAuthority_UIs_f32 | 1 |
| k_SrlHwAgVldTiThd_mS_u32 | 987 |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 96.4000015 |
| k_TravelXCDeadband_Uls_f32 | 26.0400009 |
| k_TravelXCHwAuthority_Uls_f32 | 0.185674995 |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 2942063360 |
| target_GetSystemTime_mS_u32_CurrentTime | 2659241984 |
| target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedT | |
| target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime | |
| | target VehDyn Per1 CcwEOT HwDeg f32 |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f32 |
| | |



| Name | Input Value | | |
|---------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|--------------------------|----------|
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuth | ority_Uls_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwF | Pos_HwDeg_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc | target_VehDyn_Per1_SrlHwAgVld_Cr | nt_lgc | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDe | eg_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCR | F_MtrNm_f32 | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc | target_VehDyn_Per1_VehicleSpeedV | alid_Cnt_lgc | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_l | Kph f32 | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -568.01001 | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 1199.32104 | | |
| target VehDyn Per1 HwTorque HwNm f32.value | -6.80000019 | | |
| target VehDyn Per1 MotorVelCRF MtrRadpS f32.value | 88.8799973 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | -6.48000002 | | |
| target VehDyn Per1 SrlHwAgVld Cnt Igc.value | 0 | | |
| target VehDyn Per1 SrlHwAg HwDeg f32.value | -163.009995 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | -1.89999998 | | |
| target VehDyn Per1 VehicleSpeedValid Cnt Igc.value | 1 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 52.4399986 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 0 | 0 | |
| VehDyn AutoCntrDetSpd M str.Timer1 mS u32 | 2659241984 | 2659241984 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 2760420809 | 2760420809 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -6.48000002 | -6.48000002 ± 0.000009 | |
| VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32 | -6.48000002 | -6.48000002 ± 0.000009 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | |
| VehDyn AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 2553156835 | 2553156835 | |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 2760420809 | 2760420809 | |
| | -6.48000002 | -6.48000002 ± 0.00009 | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -6.48000002 | -6.48000002 ± 0.00009 | |
| | 1 | -0.46000002 ± 0.000009 | |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | | | |
| VehDyn_AutoCntrloSpd_M_str.Timer1_mS_u32 | 2553156835 2760420809 | 2553156835 2760420809 | |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | | -6.48000002 ± 0.000009 | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -6.48000002 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -6.48000002 | -6.48000002 ± 0.000009 | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | V |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | × |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 | 1 | · · |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | 1 | V |
| VehDyn_MaxOffset_HwDeg_M_f32 | 1199.32104 | 1199.32104 | |
| VehDyn_MinOffset_HwDeg_M_f32 | -568.01001 | -568.01001 | ~ |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | -1.60240626 | -1.60240626 ± 0.000009 | |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 2127166208 | 2127166208 | • |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 1 | 1 ± 0.004 | ~ |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | 494.649994 | 494.649994 ± 0.1 | ✓ |

| Τ | | | | V |
|----------------------------------------------------|-------|----------------------------------------------------|-------|--------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | • |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | • |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | • |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | • |

| T + 0+ 0 + 07 (B + + 0 + + 1) | | |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|---|
| Test Step 2.137 (Repeat Count = 1) | | ~ |
| Name | Input Value | |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime | |
| GetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime | |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime | |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime | |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn | |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 | |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 570.5 | |



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| Name | Input Value |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 166.5 |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 7.5 |
| VehDyn AutoCntrDetSpd M str.CntrWindow HwDeg f32 | 32.0999985 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 34738 |
| VehDyn AutoCntrDetSpd M str.Timer2Thresh mS u16 | 36612 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 3382212733 |
| VehDyn AutoCntrDetSpd M str.Timer2 mS u32 | 2553156835 |
| , - , | -913.679993 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000885999994 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -913.679993 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000885999994 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 350 |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 96.1999969 |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 8 |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 42.2000008 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 53759 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 18715 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 3382212733 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 2553156835 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -913.679993 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000685999985 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -913.679993 |
| VehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32 | 0.000364000007 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 350.899994 |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 156.899994 |
| | |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 3.9000001 |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 52.9000015 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 21335 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 34188 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 3382212733 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 2553156835 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -913.679993 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 6.82000027e-005 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -913.679993 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000885999994 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 1 |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | 1197.33997 |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 |
| VehDyn_Initialize_Cnt_M_lgc | 0 |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 |
| VehDyn_MaxOffset_HwDeg_M_f32 | 988.166016 |
| VehDyn MinOffset HwDeg M f32 | -610.338013 |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | -5.4000001 |
| VehDyn PinTrqSV M str.K Uls f32 | 0.000445999991 |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.978999972 |
| VehDyn SLPHwPos HwDeg M f32 | -316.910004 |
| VehDyn SrlHwAgVldTimer mS M u32 | 2644937728 |
| k HiSpdVDAuthority Uls f32 | 1 |
| _ : - : - : | |
| k_HwTqMgnThd_HwNm_f32 | 1.1000002 |
| k_LoSpdVDAuthority_Uls_f32 | 0.779999971 |
| k_SrlHwAgVldTiThd_mS_u32 | 1385 |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 12.1000004 |
| k_TravelXCDeadband_Uls_f32 | 41.4900017 |
| k_TravelXCHwAuthority_Uls_f32 | 0.167300001 |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 569984000 |
| target_GetSystemTime_mS_u32_CurrentTime | 3437401088 |
| target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedT | 2728878080 |
| $target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime$ | 2644937728 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f32 |
| | |



| Name | Input Value | | |
|-------------------------------------------------------------------|-----------------------------------|------------------------|----------|
| target Rte Inst Ap VehDyn.VehDyn Per1 MotorVelCRF MtrRadpS f32 | target_VehDyn_Per1_MotorVelCRF_ | MtrRadpS f32 | |
| target Rte Inst Ap VehDyn.VehDyn Per1 RelHwPos HwDeg f32 | target_VehDyn_Per1_RelHwPos_Hw | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAutl | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwf | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc | target_VehDyn_Per1_SrlHwAgVld_C | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwD | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target VehDyn Per1 TorqueCmdCR | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc | target_VehDyn_Per1_VehicleSpeedV | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_ | | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -661.909973 | | |
| target VehDyn Per1 CwEOT HwDeg f32.value | 1282.85596 | | |
| target VehDyn Per1 HwTorque HwNm f32.value | -2.29999995 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | -418.660004 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | -913.679993 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 0 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | -316.910004 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | 4.9000001 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 0 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 42.9199982 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 | 1 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 3382212733 | 3382212733 | • |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 2553156835 | 2553156835 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -913.679993 | -913.679993 ± 0.0009 | • |
| VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32 | -913.679993 | -913.679993 ± 0.0009 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | • |
| VehDyn AutoCntrDetSpd M str.Filter2Enable Cnt lgc | 1 | 1 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 3437401088 | 3437401088 | • |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 2553156835 | 2553156835 | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -913.679993 | -913.679993 ± 0.0009 | • |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -913.679993 | -913.679993 ± 0.0009 | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 3437401088 | 3437401088 | • |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 2553156835 | 2553156835 | • |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -913.679993 | -913.679993 ± 0.0009 | • |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -913.679993 | -913.679993 ± 0.0009 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | • |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 | 0 | • |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | • |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 | 0 | • |
| VehDyn_MaxOffset_HwDeg_M_f32 | 1282.85596 | 1282.85596 | • |
| VehDyn_MinOffset_HwDeg_M_f32 | -661.909973 | -661.909973 | • |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | -5.39843702 | -5.39843702 ± 0.000009 | • |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 2644937728 | 2644937728 | • |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 1 | 1 ± 0.004 | <u> </u> |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | -1600 | -1600 ± 0.1 | • |

| T | | | | ✓ |
|----------------------------------------------------|-------|----------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | • |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | • |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |

| Test Step 2.138 (Repeat Count = 1) | ✓ |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|
| Name | Input Value |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| GetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |



| target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime target_Rte_Inst_Ap_VehDyn 1 |
|---------------------------------------------------------------------------------------------------|
| |
| 1 |
| |
| 211.5 |
| 255 |
| 4.5 |
| 96.5 |
| 21364 |
| 52716 |
| 2553156835 |
| 4290967295 |
| -1600 |
| 0.000877999992 |
| -157.490005 |
| 0.000877999992 |
| 1 |
| 1 |
| 0 |
| 66.1999969 |
| 18.200008 |
| |
| 10 88.5 |
| 30404 |
| 30404 |
| |
| 2553156835 4290967295 |
| -157.490005 |
| 0.00067799982 |
| -157.490005 |
| 0.000348000001 |
| 1 |
| 0 |
| 0 |
| 1 |
| 66.5 |
| 116.5 |
| 10.5 |
| 54.5 |
| 53759 |
| 18715 |
| 2553156835 |
| 4290967295 |
| -157.490005 |
| 6.73999966e-005 |
| -157.490005 |
| 0.000877999992 |
| 0 |
| 1 |
| 1 |
| 1 |
| 0 |
| 797.700012 |
| 0 |
| 0 |
| 0 |
| 968.197998 |
| -637.073975 |
| -1.60000002 |
| 0.00044199999 |
| 0.947000027 |
| -357.950012 |
| 5477 |
| 0.5 |
| 1 |
| 0 |
| 12 |
| 75.4000015 |
| 45.6100006 |
| 0.162400007 |
| 2108719104 |
| 2659241984 |
| |



| Name | Input Value | | | |
|-----------------------------------------------------------------------------------------|----------------------------------------------|------------------------------------------------|----------|--|
| target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime_ | e 5477 | | | |
| target_Rte_Inst_Ap_VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 | | | |
| target Rte Inst Ap VehDyn.VehDyn Per1 HwTorque HwNm f32 | target_VehDyn_Per1_HwTorque_HwNm_f32 | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target VehDyn Per1 MotorVelCRF MtrRad | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target VehDyn Per1 RelHwPos HwDeg f3 | · - | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | | target_VehDyn_Per1_SensorlessAuthority_Uls_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_Hv | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc | | | |
| target Rte Inst Ap VehDyn.VehDyn Per1 SrlHwAg HwDeg f32 | target VehDyn Per1 SrlHwAg HwDeg f32 | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target VehDyn Per1 TorqueCmdCRF Mtrl | | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc | target VehDyn Per1 VehicleSpeedValid Cnt Igc | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph_f32 | | | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -686.950012 | ,_ | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 1305.13196 | | | |
| target VehDyn Per1 HwTorque HwNm f32.value | -1.10000002 | | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | -759.440002 | | | |
| | -157.490005 | | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 0 | | | |
| | -357.950012 | | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | -4.9000001 | | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | | | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 0 | | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 230.039993 | 1= | 1 | |
| Name | Actual Value | Expected Value | Result | |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 | 1 | Y | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 2553156835 | 2553156835 | ~ | |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 4290967295 | 4290967295 | | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1600 | -1600 ± 0.009 | ~ | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -157.490005 | -157.490005 ± 0.0009 | ~ | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | ~ | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ~ | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ~ | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ~ | |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 2659241984 | 2659241984 | ~ | |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 4290967295 | 4290967295 | ~ | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -157.490005 | -157.490005 ± 0.0009 | ~ | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -157.490005 | -157.490005 ± 0.0009 | ~ | |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ~ | |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ~ | |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ~ | |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ~ | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 2659241984 | 2659241984 | ~ | |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 4290967295 | 4290967295 | ~ | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -157.490005 | -157.490005 ± 0.0009 | • | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -157.490005 | -157.490005 ± 0.0009 | ✓ | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ✓ | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | • | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ~ | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | - | |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 | 0 | ~ | |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | • | |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 | 0 | • | |
| VehDyn MaxOffset HwDeg M f32 | 1305.13196 | 1305.13196 | | |
| VehDyn_MinOffset_HwDeg_M_f32 | -686.950012 | -686.950012 | ~ | |
| VehDyn_PinTrqSV_M_str.SV_UIs_f32 | -1.59980774 | -1.59980774 ± 0.000009 | - | |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 5477 | 5477 | - | |
| target VehDyn Per1 SensorlessAuthority Uls f32.value | 0.947000027 | 0.947000027 ± 0.004 | _ | |
| | -515.440002 | -515.440002 ± 0.1 | _ | |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | 1-313.440002 | | | |

| T | | | | V |
|----------------------------------------------------|-------|----------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | ✓ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Rte Call VehDyn Per1 CP1 CheckpointReached | 1 | Rte Call VehDyn Per1 CP1 CheckpointReached | 1 | ~ |



| est Step 2.139 (Repeat Count = 1) ame | Input Value |
|-----------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|
| rmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| etSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| re_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedTime |
| re_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| re_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| hDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 |
| hDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 700 |
| hDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 255 |
| hDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 20 |
| hDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 100 |
| hDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 60000 |
| hDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 60000 |
| ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 4294967295 |
| hDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 4294967295 |
| hDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1600 |
| hDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.00125584786 |
| hDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1600 |
| hDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.00125584786 |
| hDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| hDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| hDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 700 |
| hDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 hDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 255 20 |
| hDyn_AutoCntrHiSpd_M_str.FittPinTrq_HwNm_132 hDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 100 |
| enDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 60000 |
| hDyn_AutoCntrHiSpd_M_str.TimerThresh_mS_u16 | 60000 |
| hDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 4294967295 |
| hDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 4294967295 |
| ehDyn_AutoOntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1600 |
| hDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32 | 0.00125584786 |
| ehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32 | 1600 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.00125584786 |
| ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| hDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 700 |
| ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 255 |
| hDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 20 |
| hDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 100 |
| ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 60000 |
| hDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 60000 |
| hDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 4294967295 |
| hDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 4294967295 |
| hDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1600 |
| hDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.00125584786 |
| hDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1600 |
| hDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.00125584786 |
| hDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| hDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| hDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| hDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| hDyn_ForceCenterEnabled_Cnt_M_lgc | 1 |
| hDyn_ForceCenterOffset_HwDeg_M_f32 | 1600 |
| hDyn_HiSpdLearnt_Cnt_M_lgc | 1 |
| nDyn_Initialize_Cnt_M_lgc | |
| hDyn_LoSpdLearnt_Cnt_M_lgc | 1 1440.10999 |
| hDyn_MaxOffset_HwDeg_M_f32 hDyn_MinOffset_HwDeg_M_f32 | 2840 |
| nDyn_MinOffset_HwDeg_m_f32 hDyn_PinTrqSV_M_str.SV_UIs_f32 | 18.7999992 |
| hDyn_PinTrqSV_M_str.Sv_0is_i32 hDyn_PinTrqSV_M_str.K_Uls_f32 | 0.00125584786 |
| enDyn_PiiTriqSv_m_sii.n_uis_i32 ehDyn_SLPHwAuth_Uis_M_f32 | 0.00125364766 |
| hDyn_SLPHwPos_HwDeg_M_f32 | 1600 |
| enDyn_StPHwPos_HwDeg_M_f32 ehDyn_SrlHwAgVldTimer_mS_M_u32 | 4294967295 |
| HiSpdVDAuthority Uls f32 | 1 |
| HwTqMgnThd HwNm f32 | 10 |
| LoSpdVDAuthority_Uls_f32 | 1 |
| | 100000 |
| SrlHwAgVldTiThd_mS_u32 | |



| Typen/Chichardman, Unit, 1972 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 10 | Nama | Input Value | | |
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| Travention for June 1972 1 1 1 1 1 1 1 1 1 | Name k TraveIXCDeadhand Ills f32 | Input Value | | |
| Image, Clane March March | | | | |
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| Stage Rem Agr Verliny Verliny Pert Overliny 1 Verliny Rem | | | | |
| | target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 | 2 | |
| | target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 | | |
| | target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f3 | 2 | |
| Isage Ref. Ref. Ap Verify Verify Perf SensoriessAuthority Uis 52 | target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRad | dpS_f32 | |
| Image: Rimit Ap Verlibny North Pert SensorieseNeros HoDeg 52 Image: Reling Ray Image: Verlibny Reling Ray Image: Verlibny Reling Ray Ray | target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | | | |
| target, Reb, Inat, Ap, VenDyn, VenDyn, Pert, Sehrivkay, Mohop, 12 target, VenDyn, Pert, Sehrivkay, Mohop, 12 target, Reb, Bard, Ap, VenDyn, VenDyn, Pert, TorreacondCRF, Minhin, 22 target, Reb, Bard, Ap, VenDyn, VenDyn, Pert, TorreacondCRF, Minhin, 22 target, VenDyn, Pert, TorreacondCRF, Minhin, 22 target, Reb, Bard, Ap, VenDyn, VenDyn, Pert, TorreacondCRF, Minhin, 22 target, VenDyn, Pert, Low, Pert, VenbickSpeed, VenDyn, Ve | target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | | | |
| Isangel, Ref. Bat. Ap. VehDyn, NebDyn, Pert. Sirthwide, Hwiber, 152 Isangel, VehDyn, Pert. Synthwed, Hwiber, 152 Isangel, NebDyn, Pert. Tompucknettics, Minh. 25 Isangel, NebDyn, Pert. VehicleSpeed, Kyn, 152 Isangel, NebDyn, Pert. VehicleSpeed, Kyn, 152 Isangel, VehDyn, Pert. VehicleSpeed, Kyn, 152 Isangel, VehDyn, Pert. CowEOT, Hwiber, 152 Isangel, VehDyn, Pert. (WebDyn, Pert. VehicleSpeed, Kyn, 152 Isangel, VehDyn, Pert. (WebDyn, Pert. VehicleSpeed, Kyn, 152 Isangel, VehDyn, Pert. (WebDyn, Pert. Workper, Hwiber, 152 value) 1118 Isangel, VehDyn, Pert. Hwitorup, Hwiber, 152 value 1118 Isangel, VehDyn, Pert. Sirthwyd, Veh, 152 value 1500 Isangel, VehDyn, Pert. VehicleSpeed, Kyn, 152 value 1500 Isangel, VehDyn, 1500 | | 0 - 7 | wDeg_f32 | |
| tanget Reinst Ap, VehDyn WehDyn Pert Tyongechrochter, Minhing 22 target Reinst Ap, VehDyn WehDyn Pert Lydnicksgeed (phg. 32 target VehDyn Pert Vehicksgeed (phg. 32 target VehDyn Pert Lydnicksgeed (phg. 32 target VehDyn Pert Coeff Lydnick (phg. 32) target VehDyn Pert Lydnick (phg. 32) target Lydnick (phg. 32) target VehDyn Pert Lydnick (phg. 32) target Lydnick (phg. 32) target Lydnick (phg. 32) target Lydnick (phg. 32) target Lydnick (phg. 32) <td></td> <td></td> <td></td> <td></td> | | | | |
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| target, Ref. Jas. A.B., VehDyn, VehDyn, Pert , VehicleSpeed, Kph, J32 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 1400 | | | | |
| Integrity VeriDyn_Pert_CoeffCT_HWDeg_RS_2 value 1440.19999 | | | | |
| Target_VehDyn_Per1_CwCCT_HwDeg_132_value 1440_10999 | | | 52 | |
| Larget_VehDyn_Pert_MotorVeCRF_MrRadps_RS_value | | | | |
| target_VerDyn_Pert_MortveCRF_MrRadps_B2 value target_VerDyn_Pert_StrikveSp_M2 Cnt_lgc_value target_VerDyn_Pert_StrikveSp_M2 Cnt_lgc_value target_VerDyn_Pert_StrikveSp_M2 Cnt_lgc_value target_VerDyn_Pert_TorqueCmcGreet_Mithtm_128 value target_VerDyn_Pert_VerbiceSpeed_Kpt_128 value STI Name Actual Value Actual Value Expected Value Result VerDyn_AudornTorteSp_M_striken_Time_I_ms_u32 4294997295 4294997295 4294997295 4294997295 4294997295 4294997295 4294997295 4294997295 4294997295 4294997295 4294997295 4294997295 4294997295 4294997295 4294997295 4294997295 4294997295 4294997295 4294997295 4294997295 4294997295 4294997295 4294997295 4294997295 4294997295 4294997295 4294997295 4294997295 4294997295 4294997295 4294997295 4294997295 4294997295 4294997295 4294997295 4294997295 4294997295 4294997295 4294997295 4294997295 4294997295 4294997295 4294997295 4294997295 4294997295 4294997295 4294997295 4294997295 4294997295 4294997295 4294997295 4294997295 4294997295 4294997295 4294997295 4294997295 4294997295 4294997295 4294997295 4294997295 4294997295 4294997295 4294997295 4294997295 4294997295 4294997295 4294997295 4294997295 4294997295 4294997295 4294997295 4294997295 4294997295 4294997295 4294997295 4294997295 4294997295 4294997295 4294997295 4294997295 4294997295 4294997295 4294997295 4294997295 4294997295 4294997295 4294997295 4294997295 4294997295 4294997295 4294997295 4294997295 4294997295 4294997295 4294997295 4294997295 4294997295 4294997295 4294997295 4294997295 4294997295 4294997295 4294997295 4294997295 4294997295 4294997295 4294997295 4294997295 4294997295 4294997295 4294997295 4294997295 4294997295 4294997295 4294997295 4294997295 4294997295 4294997295 4294997295 4294997295 4294997295 4294997295 42949972 | | | | |
| target_VehDyn_Pert_ReithWogLyctupe_value target_VehDyn_Pert_SifthwAgVd_Cnt_lgc.value target_VehDyn_Pert_SifthwAgVd_Cnt_lgc.value target_VehDyn_Pert_SifthwAgVd_Cnt_lgc.value target_VehDyn_Pert_SifthwAgVd_Cnt_lgc.value target_VehDyn_Pert_VehicleSpeed_Kph_152 value 511 Name Actual Value Spected Value Spected Value Spected Value Spected Value Spected Value Result VehDyn_AutoCntribetSpd_Mst_FitherImg_mg_u32 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 429496729 | * - * - * | | | |
| target_VehDyn_Pert_Sirthwag\Mc_Ort_jgo:value target_VehDyn_Pert_Sirthwag\Mc_Ort_jgo:value target_VehDyn_Pert_TorqueCmcCRF_Minnr_g2.value target_VehDyn_Pert_TorqueCmcCRF_Minnr_g2.value target_VehDyn_Pert_VehicleSpeedvalid_Ort_jgo:value target_VehDyn_Pert_VehicleSpeedvalid_Ort_jgo:value S11 Name | | | | |
| target_VehDyn_Pert_Sirthwag_t-MoDeg_152_value | | | | |
| target_VehDyn_PerI_TorqueCmdCRF_Mrkm_f3z_value 1 | | | | |
| Integret VehDyn_PerT_VehicleSpeed Xpint_GOLn_Ligo_value | · · · · · · · · · · · · · · · · · · · | | | |
| Name Actual Value Expected Value Result VerbDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 4294967295 4294967295 VerbDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 4294967295 4294967295 VerbDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 4294967295 4294967295 VerbDyn_AutoCntrDetSpd_M_str.Reit+wroSeiRitSV_HwDeg_str.SV_Uls_f32 1600 1600 ± 0.009 VerbDyn_AutoCntrDetSpd_M_str.Riter1reitable_Cnt_lgc 1 1 VerbDyn_AutoCntrDetSpd_M_str.Riter2reitable_Cnt_lgc 1 1 VerbDyn_AutoCntrDetSpd_M_str.Filter2reitable_Cnt_lgc 1 1 VerbDyn_AutoCntrDetSpd_M_str.Filter2reitable_Cnt_lgc 1 1 VerbDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 4294967295 4294967295 VerbDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 4294967295 4294967295 VerbDyn_AutoCntrHiSpd_M_str.Filter2.ms_u32 4294967295 4294967295 VerbDyn_AutoCntrHiSpd_M_str.Riter1.ms_cr_mS_u32 4294967295 4294967295 VerbDyn_AutoCntrHiSpd_M_str.Riter1.ms_cr_mS_u32 400 100 ± 0.009 VerbDyn_AutoCntrHiSpd_M_str.Riter1.ms_cr_mS_u32 4294967295 4294967295 VerbDyn_Auto | | 1 | | |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lge 1 1 4294967295 4294967295 VehDyn_AutoCntrDelSpd_M_str.Timert_mS_u32 4294967295 4294967295 4294967295 VehDyn_AutoCntrDelSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 1600 1600 ± 0.009 4294967295 VehDyn_AutoCntrDelSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 1600 1600 ± 0.009 4294967295 VehDyn_AutoCntrDelSpd_M_str.FilterTenable_Cnt_lge 1 1 1 4294967295 VehDyn_AutoCntrDelSpd_M_str.FilterTenable_Cnt_lge 1 1 1 4294967295 VehDyn_AutoCntrDelSpd_M_str.FilterInitalized_Cnt_lge 1 1 1 4294967295 VehDyn_AutoCntrDelSpd_M_str.FilterInitalized_Cnt_lge 1 1 4294967295 4294967295 VehDyn_AutoCntrHiSpd_M_str.FilterInitalized_Ent_lge 1600 1600 ± 0.009 4294967295 4294967295 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 1600 1600 ± 0.009 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 < | target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 511 | | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 4294967295 4294967295 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 4294967295 4294967295 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFittSV_HwDeg_str.SV_UIs_f32 1600 1600 ± 0.009 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFittSV_HwDeg_str.SV_UIs_f32 1600 1600 ± 0.009 VehDyn_AutoCntrDetSpd_M_str.FitterEnable_Cnt.l_gc 1 1 VehDyn_AutoCntrDetSpd_M_str.FitterEnable_Cnt.l_gc 1 1 VehDyn_AutoCntrDetSpd_M_str.FitterImitalized_Cnt.l_gc 1 1 VehDyn_AutoCntrHiSpd_M_str.FitterImitalized_Cnt.l_gc 1 1 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 4294967295 4294967295 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFittSV_HwDeg_str.SV_UIs_f32 1600 1600 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFittSV_HwDeg_str.SV_UIs_f32 1600 1600 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.FilterEnable_Cnt.l_gc 1 1 VehDyn_AutoCntrHiSpd_M_str.FilterEnable_Cnt.l_gc 1 1 VehDyn_AutoCntrHiSpd_M_str.FilterImitalized_Cnt.l_gc 1 1 VehDyn_AutoCntrHiSpd_M_str.FilterImitalized_Cnt.l_gc 1 1 VehDyn_AutoCn | Name | Actual Value | Expected Value | Result |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 4294967295 4294967295 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiitISV_HwDeg_str.SV_UIs_f32 1600 1600 ± 0.009 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiitISV_HwDeg_str.SV_UIs_f32 1600 1600 ± 0.009 VehDyn_AutoCntrDetSpd_M_str.Filter1ndiaized_Cntl_gc 1 1 VehDyn_AutoCntrDetSpd_M_str.Filter2ndiaized_Cntl_gc 1 1 VehDyn_AutoCntrDetSpd_M_str.Filter2ndiaized_Cntl_gc 1 1 VehDyn_AutoCntrDetSpd_M_str.Filter2ndiaized_Cntl_gc 1 1 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 4294967295 4294967295 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiltISV_HwDeg_str.SV_UIs_f32 1600 1600 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 1600 1600 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_Igc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_Igc 1 1 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_Igc 1 1 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 4294967295 4294967295 VehDyn_AutoCntrLoSpd_M_str.Filter1able_Cnt_Igc 1 1 VehDyn_AutoCntrLoSp | VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 | 1 | • |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilttSV_HwDeg_str.SV_Uls_f32 1600 1600 ± 0.009 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 1600 1600 ± 0.009 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc 1 1 VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc 1 1 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 4294967295 4294967295 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 1600 1600 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 4294967295 | 4294967295 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.FillerTEnable_Cnt_lgc 1 1 1 1 1 1 VehDyn_AutoCntrDetSpd_M_str.FillerTEnable_Cnt_lgc 1 1 1 1 VehDyn_AutoCntrDetSpd_M_str.FillerTEnable_Cnt_lgc 1 1 1 VehDyn_AutoCntrDetSpd_M_str.FillerInitialized_Cnt_lgc 1 1 1 VehDyn_AutoCntrDetSpd_M_str.FillerInitialized_Cnt_lgc 1 1 1 VehDyn_AutoCntrDetSpd_M_str.FillerInitialized_Cnt_lgc 1 1 1 VehDyn_AutoCntrHiSpd_M_str.FillerInitialized_Cnt_lgc 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4 | VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 4294967295 | 4294967295 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc 1 1 VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc 1 1 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 4294967295 4294967295 VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc 1600 1600 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_cnt_lgc 1600 1600 ± 0.009 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 1 | VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1600 | 1600 ± 0.009 | • |
| VehDyn_AutoCntrDetSpd_M_str_Filter2Enable_Cnt_lgc 1 1 VehDyn_AutoCntrDetSpd_M_str_Filter1Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrDetSpd_M_str_Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str_Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str_Filter2_mS_u32 4294967295 4294967295 VehDyn_AutoCntrHiSpd_M_str_Filter2_mS_u32 4294967295 4294967295 VehDyn_AutoCntrHiSpd_M_str_Filter1Enable_Cnt_lgc 1600 1600 ± 0.009 VehDyn_AutoCntrHiSpd_M_str_Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str_Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str_Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str_Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str_Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str_Filter2_m_su_32 4294967295 4294967295 VehDyn_AutoCntrLoSpd_M_str_Filter2_m_su_32 4294967295 4294967295 VehDyn_AutoCntrLoSpd_M_str_Filter1Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str_Filter1Initialized_Cnt_lgc <td< td=""><td>VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32</td><td>1600</td><td>1600 ± 0.009</td><td>~</td></td<> | VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1600 | 1600 ± 0.009 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.FilterInitialized_Cnt_lgc 1 1 VehDyn_AutoCntrDetSpd_M_str.FilterInitialized_Cnt_lgc 1 1 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 4294967295 4294967295 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 4294967295 4294967295 VehDyn_AutoCntrHiSpd_M_str.ReiHwPosFiltSV_HwDeg_str.SV_UIs_f32 1800 1600 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 4294967295 4294967295 VehDyn_AutoCntrLoSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.SV_UIs_f32 1800 1600 ± 0.009 VehDyn_AutoCntrLoSpd_M_str.ReiHwPosFilt2SV_HwDeg_str.SV_UIs_f32 1600 1600 ± 0.009 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCn | VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | ~ |
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| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 4294967295 4294967295 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 1600 1600 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 1600 1600 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 4294967295 4294967295 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 1600 1600 ± 0.009 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 1600 1600 ± 0.009 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnl_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnl_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnl_lgc 1 1 VehDyn_LindLearnt_Cnt_M_lgc 1 1 VehDyn_LindLearnt_Cnt_M_lgc | | | | - |
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| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter3Initialized_Cnt_lgc 4294967295 4294967295 VehDyn_AutoCntrLoSpd_M_str.Filter3Enable_Spd_M_str.Filter3Initialized_Cnt_lgc 1600 1600 ± 0.009 VehDyn_AutoCntrLoSpd_M_str.Filter4Enable_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_LoSpd_Learn_Cnt_M_lgc 1 1 VehDyn_LoSpd_Learn_Cnt_M_lgc 1 1 VehDyn_MacOffset_HwDeg_M_f32 2840 2840 VehDyn_BinTrq | | | | |
| VehDyn_AutoCnttrHiSpd_M_str.Filter2Enable_Cnt_Igc 1 1 VehDyn_AutoCnttrHiSpd_M_str.Filter2Initialized_Cnt_Igc 1 1 VehDyn_AutoCnttrHiSpd_M_str.Filter2Initialized_Cnt_Igc 1 1 VehDyn_AutoCnttrHiSpd_M_str.Filter2Initialized_Cnt_Igc 4294967295 4294967295 VehDyn_AutoCnttrLoSpd_M_str.Timer1_mS_u32 4294967295 4294967295 VehDyn_AutoCnttrLoSpd_M_str.Filter2_mS_u32 4294967295 4294967295 VehDyn_AutoCnttrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 1600 1600 ± 0.009 VehDyn_AutoCnttrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 1600 1600 ± 0.009 VehDyn_AutoCnttrLoSpd_M_str.Filter2Enable_Cnt_Igc 1 1 VehDyn_AutoCnttrLoSpd_M_str.Filter2Enable_Cnt_Igc 1 1 VehDyn_AutoCnttrLoSpd_M_str.Filter1Initialized_Cnt_Igc 1 1 VehDyn_LoSpd_Learnt_Cnt_M_Igc 1 1 VehDyn_Initialize_Cnt_M_Igc 1 1 VehDyn_LoSpdLearnt_Cnt_M_Igc 1 1 VehDyn_MaxOffset_HwDeg_M_f32 2840 2840 VehDyn_PinTrqSv_M_str.Sv_Uis_f32 4294967295 4294967295 <td< td=""><td></td><td></td><td></td><td></td></td<> | | | | |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 4294967295 4294967295 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 4294967295 4294967295 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 1600 1600 ± 0.009 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 1600 1600 ± 0.009 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 1600 1600 ± 0.009 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_HiSpdLearnt_Cnt_M_lgc 1 1 VehDyn_Initialize_Cnt_M_lgc 1 1 VehDyn_LoSpdLearnt_Cnt_M_lgc 1 1 VehDyn_MaxOffset_HwDeg_M_f32 2840 2840 VehDyn_SrlHwAgVIdTimer_mS_M_u32 4294967295 4294967295 | | | | |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 4294967295 | | | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 4294967295 4294967295 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 4294967295 4294967295 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 1600 1600 ± 0.009 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 1600 1600 ± 0.009 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_HispdLeamt_Cnt_M_gc 1 1 VehDyn_HispdLeamt_Cnt_M_lgc 1 1 VehDyn_Initialize_Cnt_M_lgc 1 1 VehDyn_MaxOffset_HwDeg_M_f32 -159.890015 -159.889999 VehDyn_MinOffset_HwDeg_M_f32 2840 2840 VehDyn_SrlHwAgVIdTimer_mS_M_u32 4294967295 4294967295 target_VehDyn_Per1_SensorlessAuthority_UIs_f32.value 1 1 ± 0.004 | | | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 4294967295 4294967295 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 1600 1600 ± 0.009 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 1600 1600 ± 0.009 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_HiSpdLearnt_Cnt_M_lgc 1 1 VehDyn_Initialize_Cnt_M_lgc 1 1 VehDyn_LoSpdLearnt_Cnt_M_lgc 1 1 VehDyn_MaxOffset_HwDeg_M_f32 159.890015 -159.889999 VehDyn_MinOffset_HwDeg_M_f32 2840 2840 VehDyn_PinTrqSV_M_str.SV_UIs_f32 18.7890587 18.7890587 ± 0.00009 VehDyn_SrlHwAgVIdTimer_mS_M_u32 4294967295 4294967295 target_VehDyn_Per1_SensorlessAuthority_UIs_f32.value 1 1 ± 0.004 <td></td> <td></td> <td></td> <td>-</td> | | | | - |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 1600 1600 ± 0.009 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 1600 1600 ± 0.009 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_HiSpdLearnt_Cnt_M_lgc 1 1 VehDyn_Initialize_Cnt_M_lgc 1 1 VehDyn_LoSpdLearnt_Cnt_M_lgc 1 1 VehDyn_MaxOffset_HwDeg_M_f32 159.890015 -159.889999 VehDyn_MinOffset_HwDeg_M_f32 2840 2840 VehDyn_PinTrqSV_M_str.SV_Uls_f32 18.7890587 18.7890587 ± 0.00009 VehDyn_SrlHwAgVIdTimer_mS_M_u32 4294967295 4294967295 target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value 1 1 ± 0.004 | | | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 1600 1600 ± 0.009 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_HiSpdLearnt_Cnt_M_lgc 1 1 VehDyn_Initialize_Cnt_M_lgc 1 1 VehDyn_LoSpdLearnt_Cnt_M_lgc 1 1 VehDyn_MaxOffset_HwDeg_M_f32 -159.890015 -159.889999 VehDyn_MinOffset_HwDeg_M_f32 2840 2840 VehDyn_PinTrqSV_M_str.SV_Uls_f32 18.7890587 18.7890587 ± 0.00009 VehDyn_SrlHwAgVIdTimer_mS_M_u32 4294967295 4294967295 target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value 1 1 ± 0.004 | | | | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_HiSpdLearnt_Cnt_M_lgc 1 1 VehDyn_Initialize_Cnt_M_lgc 1 1 VehDyn_LoSpdLearnt_Cnt_M_lgc 1 1 VehDyn_MaxOffset_HwDeg_M_f32 159.890015 -159.889999 VehDyn_MinOffset_HwDeg_M_f32 2840 2840 VehDyn_PinTrqSV_M_str.SV_Uls_f32 18.7890587 18.7890587 ± 0.00009 VehDyn_SrlHwAgVIdTimer_mS_M_u32 4294967295 4294967295 target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value 1 1 ± 0.004 | , , , , , , , , , , , , , , , , , , , , | | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc 1 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 1 VehDyn_HiSpdLearnt_Cnt_M_lgc 1 1 1 VehDyn_Initialize_Cnt_M_lgc 1 1 1 VehDyn_LoSpdLearnt_Cnt_M_lgc 1 1 1 VehDyn_MaxOffset_HwDeg_M_f32 -159.890015 -159.889999 VehDyn_MinOffset_HwDeg_M_f32 2840 2840 VehDyn_PinTrqSV_M_str.SV_UIs_f32 18.7890587 18.7890587 ± 0.00009 VehDyn_SrlHwAgVIdTimer_mS_M_u32 4294967295 4294967295 target_VehDyn_Per1_SensorlessAuthority_UIs_f32.value 1 1 ± 0.004 | | 1 | 1 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_HiSpdLearnt_Cnt_M_lgc 1 1 VehDyn_Initialize_Cnt_M_lgc 1 1 VehDyn_LoSpdLearnt_Cnt_M_lgc 1 1 VehDyn_MaxOffset_HwDeg_M_f32 -159.890015 -159.889999 VehDyn_MinOffset_HwDeg_M_f32 2840 2840 VehDyn_PinTrqSV_M_str.SV_Uls_f32 18.7890587 18.7890587 ± 0.00009 VehDyn_SrlHwAgVldTimer_mS_M_u32 4294967295 4294967295 target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value 1 1 ± 0.004 | VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | • |
| VehDyn_HiSpdLearnt_Cnt_M_lgc 1 1 1 VehDyn_Initialize_Cnt_M_lgc 1 1 1 VehDyn_LoSpdLearnt_Cnt_M_lgc 1 1 1 VehDyn_MaxOffset_HwDeg_M_f32 -159.890015 -159.889999 -159.889999 VehDyn_MinOffset_HwDeg_M_f32 2840 2840 2840 VehDyn_PinTrqSV_M_str.SV_UIs_f32 18.7890587 18.7890587 ± 0.00009 18.7890587 ± 0.00009 VehDyn_SrlHwAgVIdTimer_mS_M_u32 4294967295 4294967295 4294967295 target_VehDyn_Per1_SensorlessAuthority_UIs_f32.value 1 1 ± 0.004 1 | | 1 | 1 | ✓ |
| VehDyn_Initialize_Cnt_M_lgc 1 1 1 VehDyn_LoSpdLearnt_Ont_M_lgc 1 1 1 VehDyn_MaxOffset_HwDeg_M_f32 -159.890015 -159.889999 -159.889999 VehDyn_MinOffset_HwDeg_M_f32 2840 2840 2840 VehDyn_PinTrqSV_M_str.SV_Uls_f32 18.7890587 18.7890587 ± 0.00009 18.7890587 ± 0.00009 VehDyn_SrlHwAgVldTimer_mS_M_u32 4294967295 4294967295 4294967295 target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value 1 1 ± 0.004 1 ± 0.004 | VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_LoSpdLearnt_Cnt_M_lgc 1 1 VehDyn_MaxOffset_HwDeg_M_f32 -159.890015 -159.889999 VehDyn_MinOffset_HwDeg_M_f32 2840 2840 VehDyn_PinTrqSV_M_str.SV_Uls_f32 18.7890587 18.7890587 ± 0.00009 VehDyn_SrlHwAgVldTimer_mS_M_u32 4294967295 4294967295 target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value 1 1 ± 0.004 | VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_MaxOffset_HwDeg_M_f32 -159.890015 -159.889999 VehDyn_MinOffset_HwDeg_M_f32 2840 2840 VehDyn_PinTrqSV_M_str.SV_UIs_f32 18.7890587 18.7890587 ± 0.00009 VehDyn_SrlHwAgVIdTimer_mS_M_u32 4294967295 4294967295 target_VehDyn_Per1_SensorlessAuthority_UIs_f32.value 1 1 ± 0.004 | VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_MinOffset_HwDeg_M_f32 2840 2840 VehDyn_PinTrqSV_M_str.SV_Uls_f32 18.7890587 18.7890587 ± 0.00009 VehDyn_SrlHwAgVldTimer_mS_M_u32 4294967295 4294967295 target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value 1 1 ± 0.004 | VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 18.7890587 18.7890587 ± 0.00009 VehDyn_SrlHwAgVldTimer_mS_M_u32 4294967295 4294967295 target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value 1 1 ± 0.004 | VehDyn_MaxOffset_HwDeg_M_f32 | -159.890015 | -159.889999 | ~ |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 4294967295 4294967295 target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value 1 1 ± 0.004 | · | | | ✓ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value 1 1 ± 0.004 | | | | ~ |
| adject verify it is 1 sold to the sold to | , | | | ~ |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value 0 ± 0.1 ✓ | | | | ~ |
| | target_venDyn_Per1_SensoriessHwPos_HwDeg_f32.value | U | U ± U.1 | ~ |

| T | | | | ✓ |
|----------------------------------------------------|-------|----------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |



| est Step 2.140 (Repeat Count = 1) | Input Value |
|------------------------------------------------------------------|--------------------------------------------------------------------------|
| mme rmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| tSystemTime mS u32(CurrentTime) | target GetSystemTime mS u32 CurrentTime |
| e_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| e_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| e_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| hDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 0 |
| hDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 9.10000038 |
| hDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 226.100006 |
| hDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 4.0999999 |
| hDyn AutoCntrDetSpd M str.CntrWindow HwDeg f32 | 53.0999985 |
| hDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 21364 |
| hDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 60000 |
| hDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 2553156835 |
| hDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 2760420809 |
| hDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 0 |
| hDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 2.51327106e-006 |
| hDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -6.48000002 |
| hDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.00091599999 |
| hDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| hDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| hDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| hDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| hDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 100.5 |
| hDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 206 |
| hDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 7.4000001 |
| hDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 85.5 |
| hDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 2291 |
| hDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 58929 |
| hDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 2553156835 |
| hDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 2760420809 |
| hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -6.48000002 |
| hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.00071599998 |
| hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -6.48000002 |
| hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000423999998 |
| hDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| hDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| hDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| hDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| hDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 100.300003 |
| hDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 236.300003 |
| hDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 4.3000019 |
| hDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 32.2999992 |
| hDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 20423 |
| hDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 31368 |
| hDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 2553156835 |
| hDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 2760420809 |
| hDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -6.48000002 |
| hDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 7.11999965e-005 |
| hDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDog_str.SV_Uls_f32 | -6.48000002 |
| hDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.00091599999 |
| hDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| hDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 0 |
| hDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| hDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| hDyn_ForceCenterEnabled_Cnt_M_lgc | -501.130005 |
| nDyn_ForceCenterOffset_HwDeg_M_f32 nDyn_HiSpdLearnt_Cnt_M_lgc | -501.130005 1 |
| iDyn_HispaLearnt_Cht_M_igc iDyn_Initialize_Cht_M_igc | |
| nDyn_Intitialize_Crit_M_igc nDyn_LoSpdLearnt_Crit_M_igc | 1 |
| nDyn_Lospaceami_Cni_M_gc nDyn_MaxOffset_HwDeg_M_f32 | -1063.04602 |
| nDyn_MinOffset HwDeg_M_I32 | -1063.04602 -510.078003 |
| hDyn_pinTrqSV_M_str.SV_UIs_f32 | -1.60000002 |
| hDyn_PinTrqSV_M_str.K_UIs_f32 | 0.00046099989 |
| hDyn_SLPHwAuth_Uls_M_f32 | 0.694000006 |
| hDyn SLPHwPos HwDeg M f32 | -163.009995 |
| hDyn SrlHwAgVldTimer mS M u32 | 2127166208 |
| HiSpdVDAuthority_Uls_f32 | 0 |
| HwTqMgnThd_HwNm_f32 | 6.32000017 |
| LoSpdVDAuthority Uls f32 | 1 |
| | T [*] |





| est Step 2.141 (Repeat Count = 1) | Input Value |
|-----------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
| trmnElapsedTime_mS_u32(ElapsedTime) | |
| etSystemTime mS u32(CurrentTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime target GetSystemTime mS u32 CurrentTime |
| tte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32(ElapsedTime) | target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedTime |
| te_Call_Ap_VehDyn_SystemTime_DetfilitLiapsedTime_inS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| te_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| ehDyn AllowHiSpdAutoCntr Cnt M Igc | 1 |
| ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 66.0999985 |
| ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 216.100006 |
| ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 10.1000004 |
| ehDyn_AutoCntrDetSpd_M_str.CntrWindow HwDeg f32 | 54.099985 |
| · - · · · · - | 53759 |
| ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 18715 |
| ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 2760420809 |
| ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 2967684784 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 355.5 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000861999986 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.R_0is_i32 | 355.5 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000861999986 |
| ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 456.200012 |
| ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 196.199997 |
| ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 18.2000008 |
| ehDyn AutoCntrHiSpd M str.CntrWindow HwDeg f32 | 96.5 |
| ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 40437 |
| ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 13059 |
| ehDyn AutoCntrHiSpd M str.Timer1 mS u32 | 109643620 |
| ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 3382212733 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 355.5 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000661999977 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 355.5 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000315999991 |
| ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 56.1199989 |
| ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 52.1199989 |
| ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 16.1200008 |
| ehDyn AutoCntrLoSpd M str.CntrWindow HwDeg f32 | 78.1200027 |
| ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 32821 |
| ehDyn AutoCntrLoSpd M str.Timer2Thresh mS u16 | 53946 |
| ehDyn AutoCntrLoSpd M str.Timer1 mS u32 | 255468 |
| ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 3382212733 |
| ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 355.5 |
| ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.Sv_Uis_f32 | 555.5 6.5799999e-005 |
| ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.N_Uis_i32 | 355.5 |
| ehDyn_AutoCntrLoSpd_M_str.ReiHwPosFilt2SV_HwDeg_str.Sv_Uis_i32 | 0.000861999986 |
| ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0.000001999900 |
| ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_igc | 1 |
| ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| ehDyn_AutoCntrLoSpd_M_str.Filter1mitalized_Cnt_lgc | 1 |
| enDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_igc ehDyn_ForceCenterEnabled_Cnt_M_lgc | 1 |
| enDyn_ForceCenterEnabled_Cnt_M_gc ehDyn_ForceCenterOffset_HwDeg_M_f32 | -1.58000004 |
| | -1.58000004 |
| ehDyn_HiSpdLearnt_Cnt_M_lgc | 0 |
| ehDyn_Initialize_Cnt_M_lgc | 0 |
| ehDyn_LoSpdLearnt_Cnt_M_lgc | |
| ehDyn_MaxOffset_HwDeg_M_f32 | -928.262024 600.546034 |
| ehDyn_MinOffset_HwDeg_M_f32 | -690.546021 |
| ehDyn_PinTrqSV_M_str.SV_UIs_f32 | 14 |
| ehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000433999987 |
| ehDyn_SLPHwAuth_Uls_M_f32 | 0.81099999 |
| | -440.029999 |
| ehDyn_SLPHwPos_HwDeg_M_f32 | 00.4740750 |
| ehDyn_SrlHwAgVldTimer_mS_M_u32 | 824746752 |
| | 824746752 1 5.0999999 |



| k_SHHWAQVIdTITINd_mS_u32 | Name | Input Value | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|-----------------|----------------|----------|
| k_TraveXCNeuthurtonty_Uls_f32 | | · · | | |
| k_TravelXCDeadband_Uls_f32 | | | | |
| | | | | |
| target_DimmElapsedTime mS_u32_ElapsedTime | | | | |
| target_GetSystemTime_mS_u32_CurrentTime 1056692864 target_Ric_Call Ao_VehDyn_SystemTime_DirmcRlapsedTime_mS_u32_CurrentTime 4243786888 1 target_Ric_Inst_Ao_VehDyn_VehDyn_Per1_CoxEOT_HwDeg_ri32 target_VehDyn_Per1_CwEOT_HwDeg_ri32 target_VehDyn_Per1_CwEOT_HwDeg_ri32 target_VehDyn_Per1_CwEOT_HwDeg_ri32 target_VehDyn_Per1_CwEOT_HwDeg_ri32 target_VehDyn_Per1_MeDe_ri32 target_VehDyn_Per1_MeDe_ri32 target_VehDyn_Per1_MeDe_ri32 target_VehDyn_Per1_MeDe_ri32 target_VehDyn_Per1_MeDe_ri32 target_VehDyn_Per1_MeDe_ri32 target_VehDyn_Per1_MeDe_ri32 target_VehDyn_Per1_Med_ri32 target_VehDyn_Per1_Med_ri32 target_VehDyn_Per1_Med_ri32 target_VehDyn_Per1_Med_ri32 target_VehDyn_Per1_Med_ri32 target_VehDyn_Per1_Med_ri32 target_VehDyn_Per1_Med_ri32 target_VehDyn_Per1_Med_ri32 target_VehDyn_Per1_Med_ri32 target_VehDyn_Per1_SensoriessAlthority_Uis_ri32 target_VehDyn_Per1_SensoriessAlthority_Uis_ri32 target_VehDyn_Per1_SensoriessAlthority_Uis_ri32 target_VehDyn_Per1_SensoriessHwPos_HwD_gri32 target_VehDyn_Per1_SensoriessHwPos_HwD_gri32 target_VehDyn_Per1_SensoriessHwPos_HwD_gri32 target_VehDyn_Per1_SensoriessHwPos_HwD_gri32 target_VehDyn_Per1_SensoriessHwPos_HwD_gri32 target_VehDyn_Per1_SensoriessHwPos_HwD_gri32 target_VehDyn_Per1_SensoriessHwPos_HwD_gri32 target_VehDyn_Per1_SensoriessHwPos_RivBog_ri32 target_VehDyn_Per1_Tox_Per1_SensoriessHwD_gri32 | | | | |
| target Ric Cail Ap VehDyn SystemTime DtmnElapsedTime mS u32 ElapsedT target Ric Cail Ap VehDyn SystemTime GetSystemTime_mS_u32_CurrentTime | | | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_MS_u32_CurrentTime | | | 1 | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CowEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_Mortorque_HwMm_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_Mortorque_HwMm_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_Mortorque_HwMm_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_Mortorque_HwMm_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_Mortorque_HwMm_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_Mortorque_HwMm_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_Mortorque_HwMm_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_RelitwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensoriessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensoriessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensoriessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SriHwAgVid_Cnt_lgc target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SriHwAgVid_Cnt_lgc target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SriHwAgVid_Cnt_lgc target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeed/VehDyn_Per1_SriHwAgVid_Cnt_lgc target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeed/VehDyn_Per1_VehicleSpeed/VehDyn_Per1_VehicleSpeed/VehDyn_Per1_VehicleSpeed/VehDyn_Per1_VehicleSpeed/VehDyn_Per1_VehicleSpeed/VehDyn_Per1_VehicleSpeed/VehDyn_Per1_VehicleSpeed/VehDyn_Per1_VehicleSpeed/VehDyn_Per1_VehicleSpeed/VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CweCOT_HwDeg_f32_value target_VehDyn_Per1_CweCOT_HwDeg_f32_value target_VehDyn_Per1_MortorvelCRF_MitrRadpS_f32_value 40.029999 target_VehDyn_Per1_SriHwAgVid_Cnt_lgc_value 440.029999 target_VehDyn_Per1_SriHwAgVid_Cnt_lgc_value 440.029999 target_VehDyn_Per1_SriHwAgVid_Cnt_lgc_value 440.029999 target_VehDyn_Per1_VehicleSpeed_Kph_f32_value 440.029999 target_ | | 1. | | |
| target_Rte_Inst_Ap_VehDyn.VenDyn_Pert_CwEOT_HwDeg_f32 target_VehDyn_Pert_CwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn_VenDyn_Pert_HwTorque_HwNm_f32 target_VehDyn_Pert_HwTorque_HwNm_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Pert_MotorVelCRF_MirRadpS_f32 target_VehDyn_Pert_MotorVelCRF_MirRadpS_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Pert_RelHwPos_HwDeg_f32 target_VehDyn_Pert_BelHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Pert_SensorlessAuthority_Uis_f32 target_VehDyn_Pert_SensorlessAuthority_Uis_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Pert_SensorlessHwPos_HwDeg_f32 target_VehDyn_Pert_SensorlessHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Pert_SirlHwAqVid_Cnt_Igc target_VehDyn_Pert_SensorlessHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Pert_VehicleSpeed/Valid_Cnt_Igc target_VehDyn_Pert_SirlHwAq_HwDeg_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Pert_VehicleSpeed/Valid_Cnt_Igc target_VehDyn_Pert_Ore_Fire_More_More_Fire_VehicleSpeed/Valid_Cnt_Igc target_VehDyn_VehDyn_Pert_VehicleSpeed_Kpf_f32 target_VehDyn_Pert_VehicleSpeed_Kpf_f32 target_VehDyn_Pert_CweCOT_HwDeg_f32_value -75.5500031 target_VehDyn_Pert_MotorVelCRF_MirRadpS_f32_value 355.5 target_VehDyn_Pert_SirlHwAgVId_Cnt_Igc_value 0 target_VehDyn_Pert_SirlHwAgVId_Cnt_Igc_value 0 target_VehDyn_Pert_VehicleSpeed_Kph_f32_val | | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Pert_MotorVeiCRF_MtrRadps_f32 target_VehDyn_Pert_MotorVeiCRF_MtrRadps_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Pert_MotorVeiCRF_MtrRadps_f32 target_VehDyn_Pert_MotorVeiCRF_MtrRadps_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Pert_SensorlessAuthority_Uis_f32 target_VehDyn_Pert_ReinNevDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Pert_SensorlessAuthority_Uis_f32 target_VehDyn_Pert_SensorlessAuthority_Uis_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Pert_SensorlessAuthority_Uis_f32 target_VehDyn_Pert_SensorlessAuthority_Uis_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Pert_SensorlessAuthority_Uis_f32 target_VehDyn_Pert_SensorlessAuthority_Uis_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Pert_SirlHwAg_HvDeg_f32 target_VehDyn_Pert_SensorlessAuthority_Uis_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Pert_SirlHwAg_HvDeg_f32 target_VehDyn_Pert_SensorlessAuthority_Uis_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Pert_SirlHwAg_HvDeg_f32 target_VehDyn_Pert_TorqueCmdCRF_MtrNm_f32 target_VehDyn_VehDyn_Pert_VehicleSpeed_Kph_f32 target_VehDyn_Pert_VehicleSpeed_Kph_f32 target_VehDyn_VehDyn_Pert_VehDyn_Pert_VehDyn_Pert_VehicleSpeed_Kph_f32 target_VehDyn_Pert_VehDyn_Pert_VehicleSpeed_Kph_f32 target_VehDyn_Pert_MotorQue_HwMm_f32.value 355.5 target_VehDyn_Pert_SirlHwAg_HwDeg_f32.value 475.5500031 target_VehDyn_Pert_SirlHwAg_HwDeg_f32.value <t< td=""><td></td><td></td><td></td><td></td></t<> | | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Pert_MotorVelCRF_MtrRadpS_f32 target_VehDyn.Pert_MotorVelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Pert_RelHwPos_HwDeg_f32 target_VehDyn.Pert_RelHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Pert_SensorlessAuthority_Uls_f32 target_VehDyn.Pert_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Pert_SensorlessAuthority_Uls_f32 target_VehDyn_Pert_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Pert_SrlHwAgVid_Cnt_Igc target_VehDyn_Pert_SrlHwAgVid_Cnt_Igc target_Rte_Inst_Ap_VehDyn.VehDyn_Pert_SrlHwAg_HwDeg_f32 target_VehDyn_Pert_GrapeCmdCRF_MtrNm_f32 target_VehDyn.VehDyn_Pert_TorqueCmdCRF_MtrNm_f32 target_VehDyn_Pert_GrapeCmdCRF_MtrNm_f32 target_VehDyn_Pert_Dyn.VehDyn_Pert_VehicleSpeed/VehDyn_Pert_VehicleSpeed_Kpf_f32 target_VehDyn_Pert_VehicleSpeed_Kpf_f32 target_VehDyn_Pert_CwECDT_HwDeg_f32.value 1349,68396 target_VehDyn_Pert_MotorVelCRF_MtrRadpS_f32.value 355.5 target_VehDyn_Pert_SrlHwAg_HwDeg_f32.value 355.5 target_VehDyn_Pert_SrlHwAg_HwDeg_f32.value 440,029999 target_VehDyn_Pert_SrlHwAg_HwDeg_f32.value 440,029999 target_VehDyn_Pert_VehicleSpeed_Kph_f32.value 128,880005 Name Actual Value Expected Value Result | | · - · · - · · - | 2 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SriHwAg_HwDeg_f32 target_VehDyn_Per1_SriHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_VehDyn_Per1_SriHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_VehDyn_Per1_CwEOT_HwDeg_f32_value target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CwEOT_HwDeg_f32_value 1349.68386 target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32_value 355.5 target_VehDyn_Per1_SriHwAg_Vid_Cnt_Igc_value 355.5 target_VehDyn_Per1_SriHwAg_Vid_Cnt_Igc_value 0 target_VehDyn_Per1_SriHwAg_Vid_Cnt_Igc_value 0 target_VehDyn_Per1_SriHwAg_Vid_Cnt_Igc_value 0 target_VehDyn_Per1_VehicleSpeed_Kph_f32_value 440.029999 target_VehDyn_Per1_VehicleSpeed_Kph_f32_value 1 target_VehDyn_Per1_VehicleSpeed_Kph_f32_value 1 VehDyn_Al | | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensoriessAuthority_Uls_i32 target_VehDyn_Per1_SensoriessAuthority_Uls_i32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensoriessHwPos_HwDeg_i32 target_VehDyn_Per1_SensoriessHwPos_HwDeg_i32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SriHwAgVid_Cnt_Igc target_VehDyn_Per1_SriHwAgVid_Cnt_Igc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SriHwAg_HwDeg_i32 target_VehDyn_Per1_SriHwAg_HwDeg_i32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc target_VehDyn_Per1_SensoriessAuthority_Uls_i32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_i32 target_VehDyn_Per1_TorqueCmdCRF_MtrNm_i32 target_VehDyn_Per1_CowEOT_HwDeg_i32_value target_VehDyn_Per1_VehicleSpeed_Kph_i32 target_VehDyn_Per1_HwTorque_HwNm_i32_value 8.39999962 target_VehDyn_Per1_MotorVelCRF_MtrRadpS_i32_value 75.5500031 target_VehDyn_Per1_SriHwAgVid_Cnt_Igc_value 0 target_VehDyn_Per1_TorqueCmdCRF_MtrNm_i32_value 7.5999999 target_VehDyn_Per1_TorqueCmdCRF_MtrNm_i32_value 7.5999999 target_VehDyn_Per1_VehicleSpeed_Kph_i32_value 128.880005 Name Actual Value Expected Value Result VehDyn_AutoCntrDetSpd_M_str.Timer_mS_u32 2760420809 2760420809 2760420809 2760420809 <th< td=""><td></td><td></td><td>· -</td><td></td></th<> | | | · - | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SriHwAgVld_Cnt_Igc target_VehDyn_Per1_SriHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SriHwAg_HwDeg_f32 target_VehDyn_Per1_SriHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CowEOT_HwDeg_f32_value -737.030029 target_VehDyn_Per1_HwTorque_HwNm_f32_value 8.39999962 target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32_value -75.5500031 target_VehDyn_Per1_SriHwAg_HwDeg_f32_value -75.5500031 target_VehDyn_Per1_SriHwAg_HwDeg_f32_value 0 target_VehDyn_Per1_SriHwAg_HwDeg_f32_value 7.5999999 target_VehDyn_Per1_SriHwAg_HwDeg_f32_value 7.5999999 target_VehDyn_Per1_VehicleSpeed_Kph_f32_value 7.5999999 target_VehDyn_Per1_VehicleSpeed_Kph_f32_value 128.880005 Name Actual Value Expected Value Result VehDyn_AlloWHiSpdAutoCntr_Cnt_M_Igc 1 1 V VehDyn_AutoCntrDetSpd_M_str.Timer1_ | | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SriHwAgVld_Cnt_Igc target_VehDyn_Per1_SriHwAgVld_Cnt_Igc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SriHwAg_HwDeg_f32 target_VehDyn_Per1_SriHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc target_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed Kph_f32 target_VehDyn_Per1_VehicleSpeed Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value -737.030029 target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value 8.39999962 target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value -75.5500031 target_VehDyn_Per1_SriHwAg_HwDeg_f32.value 355.5 target_VehDyn_Per1_SriHwAg_HwDeg_f32.value 0 target_VehDyn_Per1_SriHwAg_HwDeg_f32.value -75.5500031 target_VehDyn_Per1_SriHwAg_HwDeg_f32.value 0 target_VehDyn_Per1_SriHwAg_HwDeg_f32.value 0 target_VehDyn_Per1_SriHwAg_HwDeg_f32.value 7.5999999 target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value 7.5999999 target_VehDyn_Per1_VehicleSpeed_VehCyn_Sped_VehDyn_Sped_VehDyn_Sped_VehDyn_Sped_VehDyn_Sped_VehDyn_Sped_VehDyn_Sped_VehDyn_Sped_VehDyn_Sped_VehDyn_Sped_VehDyn_Sped_VehDyn_Sped_VehDyn_Sped_VehDyn_Sped_VehDyn_Sped_VehDyn_Sped_VehDyn_Sped_VehDyn_Sped_VehDyn_Sped_VehDyn_Sped_VehDyn_Sped_VehDyn_Sped_VehDyn_Sped_VehDyn_Sped_VehDyn_Sped_VehDyn_Sped_VehDyn_Sped_Ve | | | _ | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Pert_SrlHwAg_HwDeg_f32 target_VehDyn_Pert_SrlHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Pert_TorqueCmdCRF_MtrNm_f32 target_VehDyn_Pert_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Pert_VehicleSpeedValid_Cnt_Igc target_VehDyn_Pert_VehicleSpeedValid_Cnt_Igc target_VehDyn_Pert_CwEOT_HwDeg_f32.value -737.030029 target_VehDyn_Pert_CwEOT_HwDeg_f32.value 1349.68396 target_VehDyn_Pert_MotorVelCRF_MtrRadpS_f32.value 8.39999962 target_VehDyn_Pert_RelHwPos_HwDeg_f32.value 355.5 target_VehDyn_Pert_SrlHwAg_HwDeg_f32.value 355.5 target_VehDyn_Pert_SrlHwAg_HwDeg_f32.value 0 target_VehDyn_Pert_SrlHwAg_HwDeg_f32.value 440.029999 target_VehDyn_Pert_SrlHwAg_HwDeg_f32.value 7.5999999 target_VehDyn_Pert_VehicleSpeedValid_Cnt_Igc.value 0 target_VehDyn_Pert_VehicleSpeedValid_Cnt_Igc.value 0 target_VehDyn_Pert_VehicleSpeed_Kph_f32.value 128.880005 Name Actual Value Expected Value Result VehDyn_AutoCntr_Cnt_M_igc 1 1 1 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 2967684784 2967684784 VehDyn_AutoCntrDetSpd_M_str.RelHwPo | | _ , _ , | 0_ | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32_value 737.030029 target_VehDyn_Per1_CcwEOT_HwDeg_f32_value 1349.68396 target_VehDyn_Per1_HwTorque_HwNm_f32_value 8.39999962 target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32_value -75.5500031 target_VehDyn_Per1_RelHwPos_HwDeg_f32_value 355.5 target_VehDyn_Per1_SrlHwAgVId_Cnt_Igc_value 0 target_VehDyn_Per1_SrlHwAg_HwDeg_f32_value -440.029999 target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32_value 7.5999999 target_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc_value 0 target_VehDyn_Per1_VehicleSpeed_Kph_f32_value 0 Name Actual Value Expected Value Result VehDyn_AllowHiSpdAutoCntr_Cnt_M_Igc 1 1 4 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 2760420809 2760420809 2 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 2967684784 2967684784 2967684784 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 <th< td=""><td></td><td></td><td></td><td></td></th<> | | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value 1349.68396 target_VehDyn_Per1_HwTorque_HwNm_f32.value 8.39999962 target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value -75.5500031 target_VehDyn_Per1_RelHwPos_HwDeg_f32.value 355.5 target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value 0 target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value -75.999999 target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value 7.5999999 target_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc.value 0 target_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc.value 0 target_VehDyn_Per1_VehicleSpeed_Kph_f32.value 128.880005 Name Actual Value Expected Value Result VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc 1 1 V VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 2760420809 2760420809 V VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 2967684784 2967684784 V VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit1SV_HwDeg_str.SV_Uls_f32 355.5 355.5 ± 0.0009 V VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit2SV_HwDeg_str.SV_Uls_f32 355.5 355.5 ± 0.0009 V | target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | 3 2 7 2 3 32 | | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value -737.030029 target_VehDyn_Per1_CwEOT_HwDeg_f32.value 1349.68396 target_VehDyn_Per1_HwTorque_HwNm_f32.value 8.39999962 target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value -75.5500031 target_VehDyn_Per1_RelHwPos_HwDeg_f32.value 355.5 target_VehDyn_Per1_SrlHwAgVId_Cnt_lgc.value 0 target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value -440.029999 target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value 7.5999999 target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value 0 target_VehDyn_Per1_VehicleSpeed_Kph_f32.value 128.880005 Name Actual Value Expected Value Result VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc 1 1 ✓ VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 2760420809 2760420809 ✓ VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 2967684784 2967684784 ✓ VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 355.5 355.5 ± 0.0009 ✓ VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 355.5 355.5 ± 0.0009 ✓ | target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc | | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value 1349.68396 target_VehDyn_Per1_HwTorque_HwNm_f32.value 8.39999962 target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value -75.5500031 target_VehDyn_Per1_RelHwPos_HwDeg_f32.value 355.5 target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value 0 target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value -440.029999 target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value 7.5999999 target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value 0 target_VehDyn_Per1_VehicleSpeed_Kph_f32.value 128.880005 Name Actual Value Expected Value Result VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc 1 1 ✓ VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 2760420809 2760420809 ✓ VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 2967684784 2967684784 ✓ VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 355.5 355.5 ± 0.0009 ✓ VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 355.5 355.5 ± 0.0009 ✓ | target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value 8.3999962 target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value -75.5500031 target_VehDyn_Per1_RelHwPos_HwDeg_f32.value 355.5 target_VehDyn_Per1_SrlHwAg_Vid_Cnt_lgc.value 0 target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value -440.029999 target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value 7.5999999 target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value 0 target_VehDyn_Per1_VehicleSpeed_Kph_f32.value 128.880005 Name Actual Value Expected Value Result VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc 1 1 ✓ VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 2760420809 2760420809 ✓ VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 2967684784 2967684784 ✓ VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 355.5 355.5 ± 0.0009 ✓ VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 355.5 355.5 ± 0.0009 ✓ | target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -737.030029 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value -75.5500031 target_VehDyn_Per1_RelHwPos_HwDeg_f32.value 355.5 target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value 0 target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value -440.029999 target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value 7.5999999 target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value 0 target_VehDyn_Per1_VehicleSpeed_Kph_f32.value 128.880005 Name Actual Value Expected Value Result VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc 1 1 ✓ VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 2760420809 2760420809 ✓ VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 2967684784 2967684784 ✓ VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 355.5 355.5 ± 0.0009 ✓ VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 355.5 355.5 ± 0.0009 ✓ | target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 1349.68396 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value 355.5 target_VehDyn_Per1_SrlHwAg_Vld_Cnt_lgc.value 0 target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value -440.029999 target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value 7.5999999 target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value 0 target_VehDyn_Per1_VehicleSpeed_Kph_f32.value 128.880005 Name Actual Value Expected Value Result VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc 1 1 ✓ VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 2760420809 2760420809 ✓ VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 2967684784 2967684784 ✓ VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 355.5 355.5 ± 0.0009 ✓ VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 355.5 355.5 ± 0.0009 ✓ | target_VehDyn_Per1_HwTorque_HwNm_f32.value | 8.39999962 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value 0 target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value -440.029999 target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value 7.5999999 target_VehDyn_Per1_VehicleSpeed_Kph_f32.value 0 target_VehDyn_Per1_VehicleSpeed_Kph_f32.value 128.880005 Name Actual Value Expected Value Result VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc 1 1 ✓ VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 2760420809 2760420809 ✓ VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 2967684784 2967684784 ✓ VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 355.5 355.5 ± 0.0009 ✓ VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 355.5 355.5 ± 0.0009 ✓ | target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | -75.5500031 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value -440.029999 target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value 7.5999999 target_VehDyn_Per1_VehicleSpeed_Valid_Cnt_lgc.value 0 target_VehDyn_Per1_VehicleSpeed_Kph_f32.value 128.880005 Name Actual Value Expected Value Result VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc 1 1 V VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 2760420809 2760420809 V VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 2967684784 2967684784 V VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 355.5 355.5 ± 0.0009 V VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 355.5 355.5 ± 0.0009 V | target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | 355.5 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value 7.5999999 target_VehDyn_Per1_VehicleSpeed_Valid_Cnt_lgc.value 0 target_VehDyn_Per1_VehicleSpeed_Kph_f32.value 128.880005 Name Actual Value Expected Value Result VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc 1 1 V VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 2760420809 2760420809 V VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 2967684784 2967684784 V VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 355.5 355.5 ± 0.0009 V VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 355.5 355.5 ± 0.0009 V | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 0 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value 0 target_VehDyn_Per1_VehicleSpeed_Kph_f32.value 128.880005 Name Actual Value Expected Value Result VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc 1 1 4 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 2760420809 2760420809 2760420809 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 2967684784 2967684784 4 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 355.5 355.5 ± 0.0009 4 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 355.5 355.5 ± 0.0009 4 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | -440.029999 | | |
| Name Actual Value Expected Value Result VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc 1 1 1 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 2760420809 2760420809 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 2967684784 2967684784 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 355.5 355.5 ± 0.0009 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | 7.5999999 | | |
| Name Actual Value Expected Value Result VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc 1 1 1 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 2760420809 2760420809 ✓ VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 2967684784 2967684784 ✓ VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 355.5 355.5 ± 0.0009 ✓ VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 355.5 355.5 ± 0.0009 ✓ | target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 0 | | |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc 1 1 V VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 2760420809 2760420809 ✓ VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 2967684784 2967684784 ✓ VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 355.5 355.5 ± 0.0009 ✓ VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 355.5 355.5 ± 0.0009 ✓ | target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 128.880005 | | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 2760420809 2760420809 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 2967684784 2967684784 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 355.5 355.5 ± 0.0009 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 355.5 355.5 ± 0.0009 | Name | Actual Value | Expected Value | Result |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 2967684784 2967684784 ✓ VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 355.5 355.5 ± 0.0009 ✓ VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 355.5 355.5 ± 0.0009 ✓ | VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 355.5 355.5 ± 0.0009 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 355.5 355.5 ± 0.0009 | VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 2760420809 | 2760420809 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 355.5 355.5 ± 0.0009 ✓ | VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 2967684784 | 2967684784 | ~ |
| 7 2 333 3 334 2 23 3 3 3 3 3 3 3 3 3 3 3 | VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 355.5 | 355.5 ± 0.0009 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc 1 1 | VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 355.5 | 355.5 ± 0.0009 | ✓ |
| | VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | |



| Τ | | | | ✓ |
|----------------------------------------------------|-------|----------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |

| est Step 2.142 (Repeat Count = 1) ame | Input Value |
|-------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|
| trmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| etSystemTime mS u32(CurrentTime) | target GetSystemTime mS u32 CurrentTime |
| | |
| te_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| te_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| te_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 |
| ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 498.5 |
| ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 106.25 |
| ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 2.5 |
| ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 12.5 |
| ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 13352 |
| ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 13059 |
| ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 2345892860 |
| ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 2553156835 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -157.490005 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000913999975 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -10.3400002 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000913999975 |
| ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 96.6999969 |
| ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 196.5 |
| ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 9.89999962 |
| ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 54 |
| ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 40437 |
| ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 13059 |
| ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 2345892860 |
| ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 2553156835 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -10.3400002 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000714000023 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -10.3400002 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000419999997 |
| ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 96.4000015 |
| ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 226.399994 |
| ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 8.39999962 |
| ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 96.4000015 |
| ehDyn AutoCntrLoSpd M str.Timer1Thresh mS u16 | 53970 |
| ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 52282 |
| ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 2345892860 |
| ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 2553156835 |
| ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -10.3400002 |
| ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 7.10000022e-005 |
| ehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32 | -10.3400002 |
| hDyn_AutoCntrLoSpd_M_str.ReiHwPosFilt2SV_HwDeg_str.Sv_Uis_f32 | 0.000913999975 |
| ehDyn_AutoCnttLoSpd_M_str.Filter1Enable_Cnt_lgc | 0.0009139999975 |
| enDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_igc ehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_igc | 1 |
| , = | 1 |
| ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | |
| ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| ehDyn_ForceCenterEnabled_Cnt_M_lgc | 0 |
| ehDyn_ForceCenterOffset_HwDeg_M_f32 | -601.039978 |
| ehDyn_HiSpdLearnt_Cnt_M_lgc | 0 |



| | | • " | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|-----------------------|----------|
| Name | Input Value | | |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 | | |
| VehDyn_MaxOffset_HwDeg_M_f32 | 1058.05396 | | |
| VehDyn_MinOffset_HwDeg_M_f32 | -516.762024 | | |
| VehDyn_PinTrqSV_M_str.SV_UIs_f32 | 1.5 | | |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.00046000001 | | |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.713 | | |
| VehDyn_SLPHwPos_HwDeg_M_f32 | -173.270004 | | |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 1117112832 | | |
| k_HiSpdVDAuthority_UIs_f32 | 0.34000004 | | |
| k_HwTqMgnThd_HwNm_f32 | 5.44999981 | | |
| k_LoSpdVDAuthority_Uls_f32 | 3229 | | |
| k_SrlHwAgVldTiThd_mS_u32 k_SysKinRatio_MtrDegpHwDeg_f32 | 86.0999985 | | |
| k_TravelXCDeadband_UIs_f32 | 27.0699997 | | |
| k TravelXCHwAuthority Uls f32 | 0.184450001 | | |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 2659241984 | | |
| target_GetSystemTime_mS_u32_CurrentTime | 309385728 | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTi | 1117112832 | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime | 1117112832 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRad | pS_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f3. | 2 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_L | lls_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_Hw | Deg_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_MtrN | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc | target_VehDyn_Per1_VehicleSpeedValid_Cr | | |
| target_Rte_Inst_Ap_VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph_f3. | 2 | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -574.27002 | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 1204.89001 | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | -6.5 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | -147.649994 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | -10.3400002 1 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_Igc.value target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | -173.270004 | | |
| target VehDyn Per1 TorqueCmdCRF MtrNm f32.value | -4.9000001 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 0 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 42.7700005 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn AllowHiSpdAutoCntr Cnt M Igc | 1 | 1 | - |
| VehDyn AutoCntrDetSpd M str.Timer1 mS u32 | 2345892860 | 2345892860 | ✓ |
| VehDyn AutoCntrDetSpd M str.Timer2 mS u32 | 2553156835 | 2553156835 | • |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -157.490005 | -157.490005 ± 0.0009 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -10.3400002 | -10.3400002 ± 0.0009 | - |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 309385728 | 309385728 | • |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 2553156835 | 2553156835 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -10.3400002 | -10.3400002 ± 0.00009 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -10.3400002 | -10.3400002 ± 0.00009 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | _ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 309385728 | 309385728 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 2553156835 | 2553156835 | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDog_str.SV_Uls_f32 | -10.3400002 | -10.3400002 ± 0.00009 | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -10.3400002 | -10.3400002 ± 0.00009 | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | |
| VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 | 0 | |
| VehDyn MaxOffset HwDeg M f32 | 1058.05396 | 1058.05396 | - |
| VehDyn_MinOffset_HwDeg_M_f32 | -516.762024 | -516.762024 | V |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 1.49629378 | 1.49629378 ± 0.000009 | - |
| | I | | |



| Name | Actual Value | Expected Value | Result |
|------------------------------------------------------|--------------|-------------------|----------|
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 1117112832 | 1117112832 | ✓ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 0.713 | 0.713 ± 0.004 | ~ |
| target VehDyn Per1 SensorlessHwPos HwDeg f32.value | -183.610001 | -183.610001 ± 0.1 | ✓ |

| T | | | | ✓ |
|----------------------------------------------------|-------|----------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ✓ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ✓ |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |

| ama | Innut Value |
|-------------------------------------------------------------------|--------------------------------------------------------------------------|
| ame trmnElapsedTime mS u32(ElapsedTime) | Input Value |
| \ . / | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| etSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| re_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| re_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| e_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 0 |
| ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 9.10000038 |
| ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 226.100006 |
| ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 4.0999999 |
| ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 53.0999985 |
| ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 21364 |
| ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 52282 |
| ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 2553156835 |
| ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 2760420809 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -6.48000002 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 2.51327106e-006 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -6.48000002 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.00091599999 |
| ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 100.5 |
| ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 206 |
| ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 7.4000001 |
| ehDyn AutoCntrHiSpd M str.CntrWindow HwDeg f32 | 85.5 |
| ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 2291 |
| ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 58929 |
| ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 2553156835 |
| ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 2760420809 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -6.48000002 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.00071599998 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -6.48000002 |
| | 0.000423999998 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | |
| ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | |
| ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 100.300003 |
| ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 236.300003 |
| ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 4.30000019 |
| ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 32.2999992 |
| ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 20423 |
| ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 31368 |
| ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 2553156835 |
| ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 2760420809 |
| ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -6.48000002 |
| ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 7.11999965e-005 |
| ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -6.48000002 |
| ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.00091599999 |
| ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| ehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| ehDyn AutoCntrLoSpd M str.Filter2Initialized Cnt lgc | 1 |



| | | (| 0-10 |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|------------------------|--------|
| Name | Input Value | | |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 1 | | |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | -501.130005 | | |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 | | |
| VehDyn_Initialize_Cnt_M_lgc | 0 | | |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | | |
| VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32 | -1063.04602 -510.078003 | | |
| VehDyn_PinTrqSV_M_str.SV_UIs_f32 | -1.60000002 | | |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.00046099989 | | |
| VehDyn SLPHwAuth Uls M f32 | 0.694000006 | | |
| VehDyn_SLPHwPos_HwDeg_M_f32 | -163.009995 | | |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 2127166208 | | |
| k_HiSpdVDAuthority_Uls_f32 | 0 | | |
| k_HwTqMgnThd_HwNm_f32 | 6.32000017 | | |
| k_LoSpdVDAuthority_Uls_f32 | 1 | | |
| k_SrlHwAgVldTiThd_mS_u32 | 987 | | |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 96.4000015 | | |
| k_TravelXCDeadband_Uls_f32 | 26.0400009 | | |
| k_TraveIXCHwAuthority_UIs_f32 | 0.185674995 | | |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 2942063360 | | |
| target_GetSystemTime_mS_u32_CurrentTime target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_nS_u32_ElapsedTime_nS_u32_ElapsedTime_nS_u32_ElapsedTime_nS_u32_ElapsedTime_nS_u32_ElapsedTime_nS_u32_ElapsedTime_nS_u32_ElapsedTime_nS_u32_ElapsedTime_nS_u32_ElapsedTime_nS_u32_ElapsedTime_nS_u32_ElapsedTime_nS_u32_ElapsedTime_nS_u32_ElapsedTime_nS_u32_ElapsedTime_nS_u32_ElapsedTime_nS_u32_ElapsedTime_nS_u32_ElapsedTime_nS_u32_ElapsedTime_nS_u32_ElapsedTime_nS_u32_ElapsedTime_nS_u32_ElapsedTime_nS_u32_ElapsedTime_nS_u32_ElapsedTime_nS_u32_ElapsedTime_nS_u32_ElapsedTime_nS_u32_ElapsedTime_nS_u32_ElapsedTime_nS_u32_ElapsedTime_nS_u32_ElapsedTime_nS_u32_ElapsedTime_nS_u32_ElapsedTime_nS_u32_ElapsedTime_nS_u32_ElapsedTime_nS_u32_ElapsedTime_nS_u32_ElapsedTime_nS_u32_ElapsedTime_nS_u32_ElapsedTime_nS_u32_ElapsedTime_nS_u32_ElapsedTime_nS_u32_ElapsedTime_nS_u32_ElapsedTime_nS_u32_ElapsedTime_nS_u32_ElapsedTime_nS_u32_ElapsedTime_nS_u32_ElapsedTime_nS_u32_ElapsedTime_nS_u32_ElapsedTime_nS_u32_ElapsedTime_nS_u32_ElapsedTime_nS_u32_ElapsedTime_nS_u32_ElapsedTime_nS_u32_ElapsedTime_nS_u32_ElapsedTime_nS_u32_ElapsedTime_nS_u32_ElapsedTime_nS_u32_ElapsedTime_nS_u32_ElapsedTime_nS_u32_ElapsedTime_nS_u32_ElapsedTime_nS_u32_ElapsedTime_nS_u32_ElapsedTime_nS_u32_ElapsedTime_nS_u32_ElapsedTime_nS_u32_ElapsedTime_nS_u32_ElapsedTime_nS_u32_ElapsedTime_nS_u32_ElapsedTime_nS_u32_ElapsedTime_nS_u32_ElapsedTime_nS_u32_ElapsedTime_nS_u32_ElapsedTime_nS_u32_ElapsedTime_nS_u32_ElapsedTime_nS_u32_ElapsedTime_nS_u32_ElapsedTime_nS_u32_ElapsedTime_nS_u32_ElapsedTime_nS_u32_ElapsedTime_nS_u32_ElapsedTime_nS_u32_ElapsedTime_nS_u32_ElapsedTime_nS_u32_ElapsedTime_nS_u32_ElapsedTime_nS_u32_ElapsedTime_nS_u32_ElapsedTime_nS_u32_ElapsedTime_nS_u32_ElapsedTime_nS_u32_ElapsedTime_nS_u32_ElapsedTime_nS_u32_ElapsedTime_nS_u32_ElapsedTime_nS_u32_ElapsedTime_nS_u32_ElapsedTime_nS_u32_ElapsedTime_nS_u32_ElapsedTime_nS_u32_ElapsedTime_nS_u32_ElapsedTime_nS_u32_ElapsedTime_nS_u32_ElapsedTime_nS_u32_ElapsedTime_nS_u32_ElapsedTime_nS_u32_Elapsed | 2659241984 | | |
| | | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 | target VehDyn Per1 CcwEOT HwDeg f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f32 | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target VehDyn Per1 MotorVelCRF MtrRad | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f3. | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_L | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_Hw | Deg_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_MtrN | m_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc | target_VehDyn_Per1_VehicleSpeedValid_Cr | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph_f3. | 2 | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -568.01001 | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 1199.32104 | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | -6.80000019 88.8799973 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | -6.48000002 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 0 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | -163.009995 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | -1.8999998 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 1 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 52.4399986 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 0 | 0 | • |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 2659241984 | 2659241984 | • |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 2760420809 | 2760420809 | • |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -6.48000002 | -6.48000002 ± 0.000009 | • |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -6.48000002 | -6.48000002 ± 0.0009 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_Igc | 1 | 1 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 1 2553156835 | 1 2553156835 | |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 2760420809 | 2760420809 | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -6.48000002 | -6.48000002 ± 0.0009 | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -6.48000002 | -6.48000002 ± 0.000009 | |
| VehDyn AutoCntrHiSpd M str.Filter1Enable Cnt lgc | 1 | 1 | |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 2553156835 | 2553156835 | • |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 2760420809 | 2760420809 | • |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -6.48000002 | -6.48000002 ± 0.000009 | • |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -6.48000002 | -6.48000002 ± 0.000009 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_Igc | 0 | 0 | - |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_Igc VehDyn_HiSpdLearnt_Cnt_M_Igc | 1 | 1 | |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | |
| vone yn_initialize_ont_ivi_igo | ļ' | <u> </u> | |



| Name | Actual Value | Expected Value | Result |
|------------------------------------------------------|--------------|------------------------|----------|
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | 1 | ✓ |
| VehDyn_MaxOffset_HwDeg_M_f32 | 1199.32104 | 1199.32104 | ~ |
| VehDyn_MinOffset_HwDeg_M_f32 | -568.01001 | -568.01001 | ✓ |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | -1.60240626 | -1.60240626 ± 0.000009 | ~ |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 2127166208 | 2127166208 | ✓ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 1 | 1 ± 0.004 | ~ |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | 494.649994 | 494.649994 ± 0.1 | ~ |

| T | | | | V |
|----------------------------------------------------|-------|----------------------------------------------------|-------|--------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | • |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |

| Test Step 2.144 (Repeat Count = 1) | |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|
| Name | Input Value |
| OtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| GetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| /ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 |
| /ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 533.599976 |
| /ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 236.600006 |
| ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 6.5999999 |
| ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 86.5999985 |
| ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 33198 |
| ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 31368 |
| ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 2760420809 |
| ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 2967684784 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -444.170013 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.00125584786 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -444.170013 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000918000005 |
| ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 124.400002 |
| ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 216 |
| ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 5.80000019 |
| ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 96.0999985 |
| ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 38868 |
| ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 57944 |
| ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 2760420809 |
| ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 2967684784 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -444.170013 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000717999996 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -444.170013 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000427999999 |
| ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| ehDyn AutoCntrHiSpd M str.Filter2Initialized Cnt Igc | 1 |
| ehDyn AutoCntrLoSpd M str.MtrVel MtrRadpS f32 | 124.099998 |
| ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 246.100006 |
| /ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 16.4099998 |
| /ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 52.0999985 |
| ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 7034 |
| ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 39056 |
| ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 2760420809 |
| ehDyn AutoCntrLoSpd M str.Timer2 mS u32 | 2967684784 |
| ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -444.170013 |
| /ehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32 | 7.1399998e-005 |
| /ehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32 | -444.170013 |
| /ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000918000005 |
| /ehDyn AutoCntrLoSpd M str.Filter1Enable Cnt lgc | 0 |
| /ehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 |



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| Name | Input Value | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_Igc | 1 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | | |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 0 | | |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | -401.220001 | | |
| VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc | 0 | | |
| VehDyn_Initialize_Crit_M_igc VehDyn_LoSpdLearnt_Crit_M_igc | 0 | | |
| VehDyn_MaxOffset_HwDeg_M_f32 | 1068.03796 | | |
| VehDyn_MinOffset_HwDeg_M_f32 | -503.394012 | | |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | -14.8000002 | | |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000461999996 | | |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.675000012 | | |
| VehDyn_SLPHwPos_HwDeg_M_f32 | -152.75 | | |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 4243378688 | | |
| k_HiSpdVDAuthority_UIs_f32 | 0.670000017 | | |
| k_HwTqMgnThd_HwNm_f32 | 1 | | |
| k_LoSpdVDAuthority_Uls_f32 | 0 | | |
| k_SrlHwAgVldTiThd_mS_u32 | 16445 | | |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 32.099985 | | |
| k_TravelXCDeadband_Uls_f32 | 25.0100002 | | |
| k_TravelXCHwAuthority_Uls_f32 | 0.186900005 | | |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime target_GetSystemTime_mS_u32_CurrentTime | 1117112832 2942063360 | | |
| target_cetsystemmine_ms_usz_currentmine target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_ms_us2_ElapsedT | | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_Dthill:lapsedTime_III3_u32_LiapsedTtarget_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 | | |
| target Rte Inst Ap VehDyn.VehDyn Per1 CwEOT HwDeg f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f32 | 2 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRad | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f3 | 2 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_L | Jls_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_Hw | vDeg_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc | target_VehDyn_Per1_VehicleSpeedValid_Cr | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph_f3 | 2 | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -561.75 | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 1193.75195 | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | -7.0999999 -75.9899979 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | -444.170013 | | |
| target VehDyn Per1 SrlHwAqVld Cnt Iqc.value | 0 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | -152.75 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | 8.1999981 | | |
| target VehDyn Per1 VehicleSpeedValid Cnt Igc.value | 0 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 128.020004 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 | 1 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 2760420809 | 2760420809 | • |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 2967684784 | 2967684784 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -444.170013 | -444.170013 ± 0.0009 | • |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -444.170013 | -444.170013 ± 0.0009 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 2942063360 | 2942063360 | • |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 2967684784 | 2967684784 | • |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -444.170013 | -444.170013 ± 0.0009 | • |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -444.170013 | -444.170013 ± 0.0009 | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | · |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 2942063360 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 2942063360 2967684784 | 2942063360 2967684784 | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -444.170013 | -444.170013 ± 0.0009 | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -444.170013 | -444.170013 ± 0.0009 | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | • |
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| Name | Actual Value | Expected Value | Result |
|------------------------------------------------------|--------------|-----------------------|----------|
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 | 0 | ✓ |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | ✓ |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 | 0 | ✓ |
| VehDyn_MaxOffset_HwDeg_M_f32 | 1193.75195 | 1193.75195 | ✓ |
| VehDyn_MinOffset_HwDeg_M_f32 | -561.75 | -561.75 | ✓ |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | -14.7963247 | -14.7963247 ± 0.00009 | ✓ |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 4243378688 | 4243378688 | ✓ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 0.675000012 | 0.675000012 ± 0.004 | ✓ |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | -596.920044 | -596.919983 ± 0.1 | ✓ |

| Т | | | | ✓ |
|----------------------------------------------------|-------|----------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |

| est Step 2.145 (Repeat Count = 1) | |
|---------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|
| ame | Input Value |
| trmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| etSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| te_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| te Call Ap VehDyn SystemTime GetSystemTime mS u32(CurrentTime) | target Rte Call Ap VehDyn SystemTime GetSystemTime mS u32 CurrentTime |
| te Inst Ap VehDyn | target Rte Inst Ap VehDyn |
| ehDyn AllowHiSpdAutoCntr Cnt M Igc | 1 |
| ehDyn AutoCntrDetSpd M str.MtrVel MtrRadpS f32 | 290.100006 |
| ehDyn AutoCntrDetSpd M str.VehSpd kph f32 | 32.0999985 |
| ehDyn AutoCntrDetSpd M str.FiltPinTrg HwNm f32 | 18.1000004 |
| ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 96.0999985 |
| ehDyn AutoCntrDetSpd M str.Timer1Thresh mS u16 | 32821 |
| ehDyn AutoCntrDetSpd M str.Timer2Thresh mS u16 | 14442 |
| ehDyn AutoCntrDetSpd M str.Timer1 mS u32 | 3589476707 |
| ehDyn AutoCntrDetSpd M str.Timer2 mS u32 | 3796740682 |
| ehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32 | 1146.91003 |
| ehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32 | 0.000566000002 |
| ehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32 | 1146.91003 |
| ehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32 | 0.00092000002 |
| ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| ehDyn AutoCntrDetSpd M str.Filter2Enable Cnt lgc | 0 |
| ehDyn AutoCntrDetSpd M str.Filter1Initialized Cnt Igc | 1 |
| ehDyn AutoCntrDetSpd M str.Filter2Initialized Cnt Igc | 1 |
| ehDyn AutoCntrHiSpd M str.MtrVel MtrRadpS f32 | 126.400002 |
| ehDyn AutoCntrHiSpd M str.VehSpd kph f32 | 42.5 |
| ehDyn AutoCntrHiSpd M str.FiltPinTrq HwNm f32 | 4.4000001 |
| ehDyn AutoCntrHiSpd M str.CntrWindow HwDeg f32 | 63.2999992 |
| ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 25532 |
| ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 27401 |
| ehDyn AutoCntrHiSpd M str.Timer1 mS u32 | 3589476707 |
| ehDyn AutoCntrHiSpd M str.Timer2 mS u32 | 3796740682 |
| ehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32 | 1146.91003 |
| ehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32 | 0.000720000011 |
| ehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32 | 1146.91003 |
| ehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32 | 0.000432000001 |
| ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 126.199997 |
| ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 88.199969 |
| ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 2.2000005 |
| ehDyn_AutoChtrLoSpd_M_str.CntrWindow HwDeg f32 | 75.1999969 |
| ehDyn_AutoChtrLoSpd_M_str.Timer1Thresh_mS_u16 | 10412 |
| enDyn_AutoCntrLoSpd_M_str.Timer1Thresn_mS_u16 ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 3277 |
| enDyn_AutoCntrLoSpd_M_str.Timer2Tnresn_mS_u16 ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 3589476707 |
| enDyn_AutoChtrLoSpd_M_str.Timer1_m5_u32 ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 3796740682 |
| enDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1146,91003 |
| Chryn_Addonii.copu_ivi_sii.iveii.iwr.osFiil.iov_nwbey_sii.ov_0is_loz | 1140.01000 |



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| Name | Input Value | | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1146.91003 | | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.00092000002 | | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 | | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 | | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | | | |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 0 | | | |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | -301.309998 | | | |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 | | | |
| VehDyn_Initialize_Cnt_M_lgc | 1 | | | |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | | | |
| VehDyn_MaxOffset_HwDeg_M_f32 | 40.2000008 | | | |
| VehDyn_MinOffset_HwDeg_M_f32 | -496.709991 | | | |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 7.80000019 | | | |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000463000004 | | | |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.656000018 | | | |
| VehDyn_SLPHwPos_HwDeg_M_f32 | -142.490005 | | | |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 1050692864 | | | |
| k_HiSpdVDAuthority_UIs_f32 | 0.119999997 1.5 | | | |
| k_HwTqMgnThd_HwNm_f32 k_LoSpdVDAuthority_UIs_f32 | 1.5 | | | |
| k_CospavDAuthority_Ois_132 k_SrlHwAgVldTiThd_mS_u32 | 32 | | | |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 86.3000031 | | | |
| k TravelXCDeadband Uls f32 | 23.9799995 | | | |
| k_TraveIXCHwAuthority_Uls_f32 | 0.188124999 | | | |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 1050692864 | | | |
| target GetSystemTime mS u32 CurrentTime | 4243378688 | | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_btrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_btrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_btrmnElapsedTime_mS_u32_ElapsedTime_btrmnElapsedTime_mS_u32_ElapsedTime_btrmnElapsedTime_mS_u32_ElapsedTime_btrmnElapsedTime_mS_u32_ElapsedTime_btrmnElapsedTime_mS_u32_ElapsedTime_btrmnElapsedTime_btrmnElapsedTime_mS_u32_ElapsedTime_btrmnElapsedTime_btrmnElapsedTime_btrmnElapsedTime_btrmnElapsedTime_btrmnElapsedTime_btrmnElapsedTime_btrmnElapsedTime_btrmnElapsedTime_btrmnElapsedTime_btrmnElapsedTime_btrmnElapsedTime_btrmnElapsedTime_btrmnElapsedTime_btrmnElapsedTime_btrmnElapsedTime_btrmnElapsedTime_btrmnElapsedTime_btrmnElapsedTime_btrmnElapsedTime_btrmnElapsedTime_btrmnElapsedTime_btrmnElapsedTime_btrmnElapsedTime_btrmnElapsedTime_btrmnElapsedTime_btrmnElapsedTime_btrmnElapsedTime_btrmnElapsedTime_btrmnElapsedTime_btrmnElapsedTime_btrmnElapsedTime_btrmnElapsedTime_btrmnElapsedTime_btrmnElapsedTime_btrmnElapsedTime_btrmnElapsedTime_btrmnElapsedTime_btrmnElapsedTime_btrmnElapsedTime_btrmnElapsedTime_btrmnElapsedTime_btrmnElapsedTime_btrmnElapsedTime_btrmnElapsedTime_btrmnElapsedTime_btrmnElapsedTime_btrmnElapsedTime_btrmnElapsedTime_btrmnElapsedTime_btrmnElapsedTime_btrmnElapsedTime_btrmnElapsedTime_btrmnElapsedTime_btrmnElapsedTime_btrmnElapsedTime_btrmnElapsedTime_btrmnElapsedTime_btrmnElapsedTime_btrmnElapsedTime_btrmnElapsedTime_btrmnElapsedTime_btrmnElapsedTime_btrmnElapsedTime_btrmnElapsedTime_btrmnElapsedTime_btrmnElapsedTime_btrmnElapsedTime_btrmnElapsedTime_btrmnElapsedTime_btrmnElapsedTime_btrmnElapsedTime_btrmnElapsedTime_btrmnElapsedTime_btrmnElapsedTime_btrmnElapsedTime_btrmnElapsedTime_btrmnElapsedTime_btrmnElapsedTime_btrmnElapsedTime_btrmnElapsedTime_btrmnElapsedTime_btrmnElapsedTime_btrmnElapsedTime_btrmnElapsedTime_btrmnElapsedTime_btrmnElapsedTime_btrmnElapsedTime_btrmnElapsedTime_btrmnElapsedTime_btrmnElapsedTime_btrmnElapsedTime_btrmnElapsedTime_btrmnElapsedTime_btrmnElapse | | | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime | | | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f3 | 32 | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f3: | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_t | | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f32 | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_Uls_f32 | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc | target_VehDyn_Per1_VehicleSpeedValid_ | Cnt_lgc | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph_ | f32 | | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -555.48999 | | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 1188.18298 | | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | -7.4000001 | | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | -759 | | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | 1146.91003 | | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 1 | | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | -142.490005 | | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | 4.5999999 | | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 0 | | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 489.024994 | 1 | 1_ | |
| Name | Actual Value | Expected Value | Resu | |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 | 1 | | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 3589476707 | 3589476707 | | |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 3796740682 | 3796740682 | | |
| VenDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uis_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uis_f32 | 1146.91003 1146.91003 | 1146.91003 ± 0.009 1146.91003 ± 0.009 | | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 1146.91003 ± 0.009 | | |
| | 0 | 0 | | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | | |
| VehDyn AutoCntrDetSpd_M_str.Timer2mittalized_Cnt_igc | 4243378688 | 4243378688 | | |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 3796740682 | 3796740682 | | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1146.91003 | 1146.91003 ± 0.009 | | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1146.91003 | 1146.91003 ± 0.009 | | |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | | |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | | |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | | |
| VehDyn_AutoCntrHiSpd_M_str_Filter2Initialized_Cnt_lgc | 0 | 0 | | |

3589476707

3796740682

1146.91003

1146.91003

VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc

 $VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32$

 $VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32$

VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32

VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32

0

3589476707

3796740682

1146.91003 ± 0.009

1146.91003 ± 0.009



| Name | Actual Value | Expected Value | Result |
|-------------------------------------------------------|--------------|-----------------------|----------|
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | 1 | ✓ |
| VehDyn_MaxOffset_HwDeg_M_f32 | 40.2000008 | 40.2000008 | • |
| VehDyn_MinOffset_HwDeg_M_f32 | -496.709991 | -496.709991 | ✓ |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 7.79298735 | 7.79298687 ± 0.000009 | ~ |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 1050692864 | 1050692864 | ~ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 0.119999997 | 0.119999997 ± 0.004 | ~ |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | 0 | 0 ± 0.1 | ✓ |

| T | | | | V |
|----------------------------------------------------|-------|----------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ✓ |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |

| ame | Input Value |
|----------------------------------------------------------------------|--------------------------------------------------------------------------|
| | · |
| trmnElapsedTime_mS_u32(ElapsedTime) etSystemTime mS u32(CurrentTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| , = = \ , | target_GetSystemTime_mS_u32_CurrentTime |
| te_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| te_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| te_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 |
| ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 570.099976 |
| ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 246.100006 |
| ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 14.1000004 |
| ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 96.0999985 |
| ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 21335 |
| ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 39056 |
| ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 2967684784 |
| ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 3174948758 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1459.40002 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000921999977 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1600 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000921999977 |
| ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 78.8000031 |
| ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 226.100006 |
| ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 3.5 |
| ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 32.2999992 |
| ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 53970 |
| ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 52282 |
| ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 2967684784 |
| ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 3174948758 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1459.40002 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000722000026 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1459.40002 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000436000002 |
| ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 78.0999985 |
| ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 52.0999985 |
| ehDyn AutoCntrLoSpd M str.FiltPinTrg HwNm f32 | 14.1000004 |
| ehDyn AutoCntrLoSpd M str.CntrWindow HwDeg f32 | 41.099985 |
| ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 26195 |
| ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 22037 |
| ehDyn AutoCntrLoSpd M str.Timer1 mS u32 | 2967684784 |
| ehDyn AutoCntrLoSpd M str.Timer2 mS u32 | 3174948758 |



| | | () | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|---------------------|--------|
| Name | Input Value | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1459.40002 | | |
| VehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32 | 7.1800001e-005 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1459.40002 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000921999977 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | | |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 1 | | |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | -201.399994 | | |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 | | |
| VehDyn_Initialize_Cnt_M_lgc | 1 | | |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | | |
| VehDyn_MaxOffset_HwDeg_M_f32 | 1078.02197 | | |
| VehDyn_MinOffset_HwDeg_M_f32 | -490.026001 | | |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 17.7999992 | | |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000464000012 | | |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.637000024 | | |
| VehDyn_SLPHwPos_HwDeg_M_f32 | -132.229996 | | |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 295229312 | | |
| k_HiSpdVDAuthority_Uls_f32 | 0.75999999 | | |
| k_HwTqMgnThd_HwNm_f32 | 9.19999981 | | |
| k_LoSpdVDAuthority_Uls_f32 | 1 | | |
| k_SrlHwAgVldTiThd_mS_u32 | 4891 | | |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 52.5 | | |
| k_TravelXCDeadband_Uls_f32 | 22.9500008 | | |
| k_TravelXCHwAuthority_Uls_f32 | 0.189349994 | | |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 1736795392 | | |
| target_GetSystemTime_mS_u32_CurrentTime | 1117112832 | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTi | 463842816 | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime | 3039943680 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f32 | 2 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRad | lpS_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_Uls_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_Hv | vDeg_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc | target_VehDyn_Per1_VehicleSpeedValid_C | nt_lgc | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph_f3 | 32 | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -549.22998 | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 1182.61401 | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | -7.69999981 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | 159.990005 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | -1459.40002 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 1 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | -132.229996 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | -8.39999962 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 1 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 139.063995 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_Igc | 1 | 1 | - |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 2967684784 | 2967684784 | • |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 3174948758 | 3174948758 | • |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1459.40002 | -1459.40002 ± 0.009 | • |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1600 | -1600 ± 0.009 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 1117112832 | 1117112832 | |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 3174948758 | 3174948758 | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1459.40002 | -1459.40002 ± 0.009 | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1459.40002 | -1459.40002 ± 0.009 | |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 2967684784 | 2967684784 | • |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 3174948758 | 3174948758 | - |
| | | | _ |



| Name | Actual Value | Expected Value | Result |
|-----------------------------------------------------------------|--------------|----------------------|----------|
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1459.40002 | -1459.40002 ± 0.009 | • |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1459.40002 | -1459.40002 ± 0.009 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | • |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 | 1 | • |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_MaxOffset_HwDeg_M_f32 | 1078.02197 | 1078.02197 | ~ |
| VehDyn_MinOffset_HwDeg_M_f32 | 910.170044 | 910.169983 | • |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 17.7880936 | 17.7880936 ± 0.00009 | ~ |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 295229312 | 295229312 | ✓ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 1 | 1 ± 0.004 | ~ |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | -1258 | -1258 ± 0.1 | ~ |

| T | | | | ✓ |
|-------------------------------------------------------|-------|-------------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32 | 1 | ✓ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |

| ame | Input Value |
|----------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|
| trmnElapsedTime mS u32(ElapsedTime) | target DtrmnElapsedTime mS u32 ElapsedTime |
| etSystemTime mS u32(CurrentTime) | target GetSystemTime mS u32 CurrentTime |
| te Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32(ElapsedTime) | target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedTime |
| te Call Ap VehDyn SystemTime GetSystemTime mS u32(CurrentTime) | target Rte Call Ap VehDyn SystemTime GetSystemTime mS u32 CurrentTime |
| te Inst Ap VehDyn | target_Rte_Inst_Ap_VehDyn |
| ehDyn AllowHiSpdAutoCntr Cnt M Igc | 1 |
| ehDyn AutoCntrDetSpd M str.MtrVel MtrRadpS f32 | 497.299988 |
| ehDyn AutoCntrDetSpd M str.VehSpd kph f32 | 123.300003 |
| ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 18.2999992 |
| ehDyn AutoCntrDetSpd M str.CntrWindow HwDeg f32 | 45.2999992 |
| ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 12258 |
| 7 - 1 | 27401 |
| ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 3174948758 |
| ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | |
| ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 3382212733 459,209991 |
| · - · · | 11 1111 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000923999993 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 111 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000923999993 |
| ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 88.5 |
| ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 236.5 |
| ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 1.60000002 |
| ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 52.5 |
| ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 20423 |
| ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 31368 |
| ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 3174948758 |
| ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 3382212733 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 459.209991 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000723999983 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 459.209991 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000440000003 |
| ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| hDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 88.3000031 |
| ehDyn AutoCntrLoSpd M str.VehSpd kph f32 | 34.2999992 |
| ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 12.3000002 |
| ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 63.2999992 |
| ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 43190 |
| ehDyn AutoCntrLoSpd M str.Timer2Thresh mS u16 | 3186 |



| | | • • • • • • • • • • • • • • • • • • • • | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------|-----------------------------------------|----------|
| Name | Input Value | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 3174948758 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 3382212733 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 459.209991 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 7.20000025e-005 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 459.209991 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000923999993 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | | |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 0 | | |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | -101.489998 | | |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 | | |
| VehDyn_Initialize_Cnt_M_lgc | 0 | | |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 | | |
| VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32 | 1083.01404 -483.34201 | | |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | -7 | | |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.00046499999 | | |
| VehDyn SLPHwAuth Uls M f32 | 0.617999971 | | |
| VehDyn_SLPHwPos_HwDeg_M_f32 | -121.970001 | | |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 1316564736 | | |
| k_HiSpdVDAuthority_UIs_f32 | 0.779999971 | | |
| k HwTgMgnThd HwNm f32 | 5.25 | | |
| k_LoSpdVDAuthority_UIs_f32 | 0 | | |
| k_SrlHwAgVldTiThd_mS_u32 | 91986 | | |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 10.1000004 | | |
| k_TravelXCDeadband_Uls_f32 | 21.9200001 | | |
| k_TravelXCHwAuthority_Uls_f32 | 0.190575004 | | |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 3437401088 | | |
| target_GetSystemTime_mS_u32_CurrentTime | 1736795392 | | |
| $target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedT$ | 1759885568 | | |
| $target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime$ | 1316564736 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRad | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f3: | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_U | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 | ma | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_MtrN | _ | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc | target_VehDyn_Per1_VehicleSpeedValid_Cr | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | target_VehDyn_Per1_VehicleSpeed_Kph_f3: -542.969971 | 2 | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 1177.04504 | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | -8 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | 1100 | | |
| target VehDyn Per1 RelHwPos HwDeg f32.value | 459.209991 | | |
| target VehDyn Per1 SrlHwAgVld Cnt Igc.value | 0 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | -121.970001 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | 4.9000001 | | |
| target VehDyn Per1 VehicleSpeedValid Cnt Igc.value | 0 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 387.100006 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn AllowHiSpdAutoCntr Cnt M Igc | 1 | 1 | ✓ |
| VehDyn AutoCntrDetSpd M str.Timer1 mS u32 | 3174948758 | 3174948758 | · |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 3382212733 | 3382212733 | - |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 459.209991 | 459.209991 ± 0.0009 | • |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1600 | 1600 ± 0.009 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 1736795392 | 1736795392 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 3382212733 | 3382212733 | • |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 459.209991 | 459.209991 ± 0.0009 | • |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 459.209991 | 459.209991 ± 0.0009 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ~ |



| Name | Actual Value | Expected Value | Result |
|-----------------------------------------------------------------|--------------|------------------------|----------|
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 1736795392 | 1736795392 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 3382212733 | 3382212733 | • |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 459.209991 | 459.209991 ± 0.0009 | • |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 459.209991 | 459.209991 ± 0.0009 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | • |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 | 0 | • |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | • |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 | 0 | • |
| VehDyn_MaxOffset_HwDeg_M_f32 | 1177.04504 | 1177.04504 | • |
| VehDyn_MinOffset_HwDeg_M_f32 | -542.969971 | -542.969971 | • |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | -7.00023937 | -7.00023937 ± 0.000009 | • |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 1316564736 | 1316564736 | ✓ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 0.617999971 | 0.617999971 ± 0.004 | ~ |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | 337.23999 | 337.23999 ± 0.1 | • |

| Т | | | | ✓ |
|----------------------------------------------------|-------|----------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | - |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |

| Test Step 2.148 (Repeat Count = 1) | 🗸 |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|
| Name | Input Value |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| GetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 31.3600006 |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 125.300003 |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 16.2999992 |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 78.3000031 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 29076 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 18715 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 3382212733 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 3589476707 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1001.01001 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000926000008 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 0 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000926000008 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 94.5 |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 246.399994 |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 2.20000005 |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 41.0999985 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 7034 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 39056 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 3382212733 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 3589476707 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1001.01001 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000725999998 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1001.01001 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000444000005 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 94.4000015 |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 18.3999996 |



| Name | Input Value | | | |
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| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 10.3999996 | | | |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 88.4000015 | | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 30404 | | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 30349 | | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 3382212733 | | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 3589476707 | | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1001.01001 | | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 7.21999968e-005 | | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1001.01001 | | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000926000008 | | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 | | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 | | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | | | |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 1 | | | |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | -1.58000004 1 | | | |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 | | | |
| VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | | | |
| VehDyn MaxOffset HwDeg M f32 | 1088.00598 | | | |
| VehDyn_MinOffset_HwDeg_M_f32 | -476.65799 | | | |
| VehDyn PinTrqSV M str.SV Uls f32 | 6.30000019 | | | |
| VehDyn_PinTrqSV_M_str.Sv_Uis_f32 | 0.000465999998 | | | |
| VehDyn SLPHwAuth Uls M f32 | 0.598999977 | | | |
| VehDyn_SLPHwPos_HwDeg_M_f32 | -111.709999 | | | |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 2075080192 | | | |
| k_HiSpdVDAuthority_UIs_f32 | 0.233999997 | | | |
| k_HwTqMgnThd_HwNm_f32 | 1.10000002 | | | |
| k_LoSpdVDAuthority_UIs_f32 | 1 | | | |
| k_SrlHwAgVldTiThd_mS_u32 | 12 | | | |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 25.1000004 | | | |
| k TravelXCDeadband Uls f32 | 20.8899994 | | | |
| k_TravelXCHwAuthority_Uls_f32 | 0.191799998 | | | |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 3494315776 | | | |
| target_GetSystemTime_mS_u32_CurrentTime | 3437401088 | | | |
| $target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_Elapsed$ | 1662097408 | | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime | 2075080192 | 2075080192 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f32 | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRac | pS_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f3 | 2 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_l | Jls_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_Hv | vDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_MtrN | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc | target_VehDyn_Per1_VehicleSpeedValid_C | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph_f3 | 2 | | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -536.710022 | | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 1171.47595 | | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | -8.30000019 | | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | 154.740005 | | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | 1001.01001 | | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 0 | | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | -111.709999 | | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | 5.5999999 | | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc.value | | | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 398.145599 | Even a stand Malara | B | |
| Name Valored Novel Novel Novel Annual Name | Actual Value | Expected Value | Resul | |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 | 1 | | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 3382212733 | 3382212733 | | |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 3589476707 | 3589476707 | | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1001.01001 | 1001.01001 ± 0.009 | | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 0 | 0 ± 0.000009 | • | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | • | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | • | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | | |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 3437401088 | 3437401088 | | |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 3589476707 | 3589476707 | | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1001.01001 | 1001.01001 ± 0.009 | | |

1001.01001

 $VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32$

1001.01001 ± 0.009



| Name | Actual Value | Expected Value | Result |
|-----------------------------------------------------------------|--------------|-----------------------|----------|
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 3382212733 | 3382212733 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 3589476707 | 3589476707 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1001.01001 | 1001.01001 ± 0.009 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1001.01001 | 1001.01001 ± 0.009 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 | 1 | ✓ |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | 1 | ✓ |
| VehDyn_MaxOffset_HwDeg_M_f32 | 1171.47595 | 1171.47595 | ~ |
| VehDyn_MinOffset_HwDeg_M_f32 | -536.710022 | -536.710022 | ~ |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 6.29330063 | 6.29330015 ± 0.000009 | ~ |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 2075080192 | 2075080192 | ~ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 1 | 1 ± 0.004 | ~ |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | 1002.59003 | 1002.59003 ± 0.1 | ~ |

| T | | | ✓ | |
|----------------------------------------------------|-------|----------------------------------------------------|----------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | ✓ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | - |

| Test Step 2.149 (Repeat Count = 1) | · · |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|
| Name | Input Value |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| GetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 290.100006 |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 32.0999985 |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 18.1000004 |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 96.0999985 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 32821 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 14442 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 3589476707 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 3796740682 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1312.29004 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000928000023 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 448.5 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000928000023 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 126.400002 |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 42.7999992 |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 4.5 |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 63.4000015 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 25532 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 27401 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 3589476707 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 3796740682 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1312.29004 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000728000014 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1312.29004 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000448000006 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |



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| Name | Input Value | | |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 126.5 | | |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 88.5 | | |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 2.5 | | |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 75.5 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 10412 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 3277 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 3589476707 3796740682 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1312.29004 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 7.23999983e-005 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1312.29004 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000928000023 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | | |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 0 | | |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 VehDyn_HiSpdLearnt_Cnt_M_lgc | 98.3300018 | | |
| VehDyn_Initialize_Cnt_M_lgc | 1 | | |
| VehDyn LoSpdLearnt Cnt M Igc | 0 | | |
| VehDyn MaxOffset HwDeg M f32 | 1092.99805 | | |
| VehDyn_MinOffset_HwDeg_M_f32 | -469.973999 | | |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 7.80000019 | | |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000467000005 | | |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.579999983 | | |
| VehDyn_SLPHwPos_HwDeg_M_f32 | -101.449997 | | |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 954802432 | | |
| k_HiSpdVDAuthority_Uls_f32 | 1 | | |
| k_HwTqMgnThd_HwNm_f32 | 1.20000005 | | |
| k_LoSpdVDAuthority_UIs_f32 | 0 | | |
| k_SrlHwAgVldTiThd_mS_u32 | 45 | | |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 86.0999985 | | |
| k_TravelXCDeadband_Uls_f32 k_TravelXCHwAuthority_Uls_f32 | 19.8600006 0.193024993 | | |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 463842816 | | |
| target_GetSystemTime_mS_u32_CurrentTime | 3494315776 | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_Elapse | | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime_ | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRadpS | _f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_Uls_ | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_HwDe | eg_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 | 600 | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_MtrNm_ | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeedValid_Cnt_l target_VehDyn_Per1_VehicleSpeed_Kph_f32 | igu | |
| target_Kte_inst_Ap_veribyn.veribyn_Per1_veriicieSpeed_Kpri_is2 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -530.450012 | | |
| target VehDyn Per1 CwEOT HwDeg f32.value | 1165.90698 | | |
| target VehDyn Per1 HwTorque HwNm f32.value | -8.60000038 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | -759 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | -1312.29004 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 1 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | -101.449997 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | 4.5999999 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 0 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 489 | | |
| Name | Actual Value E | xpected Value | Resi |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 1 | | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | | 589476707 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | | 796740682 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | | 1312.29004 ± 0.009 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | | 48.5 ± 0.0009 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 1 | | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 1 | | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 1 | | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 0 0 3494315776 3 | 494315776 | |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | | 796740682 | |
| TOTAL TOTAL TOTAL IN COLUMN CO | 3.001.10002 | | |

3796740682

3796740682



| Name | Actual Value | Expected Value | Result |
|-----------------------------------------------------------------|--------------|-----------------------|----------|
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1312.29004 | -1312.29004 ± 0.009 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1312.29004 | -1312.29004 ± 0.009 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 3494315776 | 3494315776 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 3796740682 | 3796740682 | • |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1312.29004 | -1312.29004 ± 0.009 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1312.29004 | -1312.29004 ± 0.009 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | • |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 | 0 | ✓ |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | • |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 | 0 | ✓ |
| VehDyn_MaxOffset_HwDeg_M_f32 | 1092.99805 | 1092.99805 | • |
| VehDyn_MinOffset_HwDeg_M_f32 | 781.840027 | 781.840027 | ✓ |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 7.7923665 | 7.79236603 ± 0.000009 | • |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 954802432 | 954802432 | ✓ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 0.579999983 | 0.579999983 ± 0.004 | ~ |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | -1413.73999 | -1413.73999 ± 0.1 | ✓ |
| | | | |



| Name | Input Value | | |
|--------------------------------------------------------------------------------------------------------|------------------------------------------|----------------------|-------|
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | | |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 | | |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | | |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | | |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 124.699997 | | |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 76.6999969 | | |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 4.6999981 | | |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 97.6999969 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 16683 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 22497 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 3796740682 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 4004004656 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1089.29004 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 7.25999998e-005 | | |
| VehDyn_AutoCntrloSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1089.29004 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.00092999998 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | | |
| | 0 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | | |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc VehDyn_ForceCenterOffset HwDeg M f32 | 198.240005 | | |
| VehDyn HiSpdLearnt Cnt M Igc | 1 | | |
| VehDyn Initialize Cnt M Igc | 1 | | |
| VehDyn LoSpdLearnt Cnt M lqc | 1 | | |
| VehDyn MaxOffset HwDeg M f32 | 1097 | | |
| VehDyn MinOffset HwDeg M f32 | -463 | | |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 3.20000005 | | |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000468000013 | | |
| VehDyn SLPHwAuth Uls M f32 | 0.56099999 | | |
| VehDyn SLPHwPos HwDeg M f32 | -91.1900024 | | |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 2728878080 | | |
| k HiSpdVDAuthority Uls f32 | 0 | | |
| k HwTqMgnThd HwNm f32 | 6.5 | | |
| k_LoSpdVDAuthority_Uls_f32 | 1 | | |
| k_SrlHwAgVldTiThd_mS_u32 | 65 | | |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 56.2999992 | | |
| k_TravelXCDeadband_Uls_f32 | 18.8299999 | | |
| k_TravelXCHwAuthority_Uls_f32 | 0.194250003 | | |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 1759885568 | | |
| target_GetSystemTime_mS_u32_CurrentTime | 463842816 | | |
| target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedTi | 2127166208 | | |
| $target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime$ | 2728878080 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f3 | 2 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRac | lpS_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f3 | 32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_l | Jls_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_Hv | vDeg_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_MtrN | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc | target_VehDyn_Per1_VehicleSpeedValid_C | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph_f3 | 32 | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -524 | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 1160 | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | -8.89999962 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | 1009.29999 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | 1089 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 1 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | -91.1900024 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | -7.30000019 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 1 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 500 | _ , , , , , , | - |
| Name | Actual Value | Expected Value | Resul |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 0 | 0 | • |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 463842816 | 463842816 | · |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 4004004656 | 4004004656 | • |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1089.29004 | 1089.29004 ± 0.009 | • |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -157.490005 | -157.490005 ± 0.0009 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | • |



| Name | Actual Value | Expected Value | Result |
|-----------------------------------------------------------------|--------------|-----------------------|--------|
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 3796740682 | 3796740682 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 4004004656 | 4004004656 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1089.29004 | 1089.29004 ± 0.009 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1089.29004 | 1089.29004 ± 0.009 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 3796740682 | 3796740682 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 4004004656 | 4004004656 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1089.29004 | 1089.29004 ± 0.009 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1089.29004 | 1089.29004 ± 0.009 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_MaxOffset_HwDeg_M_f32 | 71 | 71 | ~ |
| VehDyn_MinOffset_HwDeg_M_f32 | -463 | -463 | ~ |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 3.19427657 | 3.19427657 ± 0.000009 | ~ |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 2728878080 | 2728878080 | ~ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 1 | 1 ± 0.004 | ~ |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | 890.76001 | 890.76001 ± 0.1 | ~ |

| T | | | | V |
|----------------------------------------------------|-------|----------------------------------------------------|-------|--------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |

| Test Step 2.151 (Repeat Count = 1) | |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|
| Name | Input Value |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| GetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| /ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 |
| /ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 554.200012 |
| /ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 84.1999969 |
| /ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 4.19999981 |
| /ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 52.2000008 |
| /ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 2291 |
| /ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 7778 |
| /ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 4004004656 |
| ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 4211268631 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1503.19995 |
| /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000931999995 |
| /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1503.19995 |
| /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 2.51327106e-006 |
| /ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| /ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| /ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| /ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| /ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 456.5 |
| /ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 35.7000008 |
| /ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 14.3999996 |
| /ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 75.5 |
| /ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 33198 |
| ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 7778 |
| /ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 4004004656 |
| /ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 4211268631 |
| /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1503.19995 |
| /ehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32 | 0.000731999986 |



| Input Value -1503.19995 0.000456000009 1 0 0 1 456.700012 86.8000031 6.80000019 86.8000031 5235 27074 | | |
|-------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| -1503.19995 0.000456000009 1 0 0 1 456.700012 86.8000031 6.80000019 86.8000031 5235 | | |
| 0.000456000009 1 0 0 1 456.700012 86.8000031 6.80000019 86.8000031 5235 | | |
| 0 0 1 456.700012 86.8000031 6.80000019 86.8000031 5235 | | |
| 0 1 456.700012 86.8000031 6.80000019 86.8000031 5235 | | |
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| 5235 | | |
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| 4004004656 | | |
| 4211268631 | | |
| -1503.19995 | | |
| 7.28000014e-005 | | |
| -1503.19995 | | |
| 0.000931999995 | | |
| 0 | | |
| 1 | | |
| 1 | | |
| 1 | | |
| 1 | | |
| 298.149994 | | |
| 0 | | |
| 0 | | |
| 0 | | |
| 1102.98206 | | |
| -456.605988 | | |
| -5.4000001 | | |
| 0.000468999991 | | |
| 0.541999996 | | |
| -80.9300003 | | |
| 824746752 | | |
| 1 | | |
| 0.00120000006 | | |
| 0 | | |
| 112 | | |
| 54.5 | | |
| 17.7999992 | | |
| 0.195474997 | | |
| 1662097408 | | |
| 1759885568 | | |
| 4243378688 | | |
| | | |
| target VehDyn Per1 CcwEOT HwDeg f32 | | |
| 0 = 7 = = 0= | | |
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| | _ | |
| target VehDyn Per1 SrlHwAgVld Cnt Igc | _ | |
| target VehDyn Per1 SrlHwAg HwDeg f32 | | |
| | m f32 | |
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| | | |
| 0 | | |
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| | | |
| | Function Value | р |
| | • | Result |
| 1 | | |
| | | • |
| 4211268631 | 4211268631 -1503.19995 ± 0.009 | • |
| -1503.19995 | | ~ |
| 7 - C C C C C C C C C C C C C C C C C C | 7.28000014e-005 -1503.19995 0.000931999995 0.000931999995 0.11 1.1 1.1 1.298.149994 0.0 0.0 1102.98206 -456.605988 -5.400001 0.000468999991 0.541999996 -80.9300003 824746752 1.000120000006 0.0 112 54.5 17.7999992 0.195474997 1662097408 11759885568 4243378688 824746752 target_VehDyn_Per1_CwEOT_HwDeg_f32 target_VehDyn_Per1_CwEOT_HwDeg_f32 target_VehDyn_Per1_BensorlessAuthority_Utarget_VehDyn_Per1_SensorlessAuthority_Utarget_VehDyn_Per1_SrilHwAgVid_Cnt_lgc target_VehDyn_Per1_SrilHwAgVid_Cnt_lgc target_VehDyn_Per1_SrilHwAg_HwDeg_f32 target_VehDyn_Per1_SrilHwAg_HwDeg_f32 target_VehDyn_Per1_SrilHwAg_HwDeg_f32 target_VehDyn_Per1_SrilHwAg_HwDeg_f32 target_VehDyn_Per1_SrilHwAg_HwDeg_f32 target_VehDyn_Per1_SrilHwAg_HwDeg_f32 target_VehDyn_Per1_SrilHwAg_HwDeg_f32 target_VehDyn_Per1_SrilHwAg_HwDeg_f32 target_VehDyn_Per1_VehicleSpeed_Kph_f33 target_VehDyn_Per3_Sensorless | 7.28000014e-005 1.503.19995 0.00093199995 0.00093199995 0.1 1.1 1.1 1.1 1.1 1.2928.149994 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0. |



| Name | Actual Value | Expected Value | Result |
|-----------------------------------------------------------------|--------------|------------------------|----------|
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 1759885568 | 1759885568 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 4211268631 | 4211268631 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1503.19995 | -1503.19995 ± 0.009 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1503.19995 | -1503.19995 ± 0.009 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 1759885568 | 1759885568 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 4211268631 | 4211268631 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1503.19995 | -1503.19995 ± 0.009 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1503.19995 | -1503.19995 ± 0.009 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 | 0 | ✓ |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | ✓ |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 | 0 | ✓ |
| VehDyn_MaxOffset_HwDeg_M_f32 | 1154.76904 | 1154.76904 | ~ |
| VehDyn_MinOffset_HwDeg_M_f32 | -517.929993 | -517.929993 | ✓ |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | -5.40177107 | -5.40177107 ± 0.000009 | ~ |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 824746752 | 824746752 | ~ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 1 | 1 ± 0.004 | ~ |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | -1600 | -1600 ± 0.1 | ✓ |

| Т | | | | ✓ |
|----------------------------------------------------|-------|----------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ✓ |
| Rte Call VehDvn Per1 CP1 CheckpointReached | 1 | Rte Call VehDvn Per1 CP1 CheckpointReached | 1 | _ |

| Test Step 2.152 (Repeat Count = 1) | ✓ |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|
| Name | Input Value |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| GetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 600.099976 |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 64.0999985 |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 16.1000004 |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 41.0999985 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 38868 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 38708 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 4211268631 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 2160073393 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 240.300003 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000934000011 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 240.300003 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.00125584786 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 566 |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 75.5 |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 18.7999992 |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 97.8000031 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 21335 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 34188 |



| Name | Input Value | | |
|--------------------------------------------------------------------------------------------------------|---------------------------------|----------------|------|
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 4211268631 | | |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 2160073393 | | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 240.300003 | | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000734000001 | | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 240.300003 | | |
| VehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32 | 0.00046000001 | | |
| VehDyn AutoCntrHiSpd M str.Filter1Enable Cnt Igc | 1 | | |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 | | |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | | |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | | |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 566,799988 | | |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 96.6999969 | | |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 8.69999981 | | |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 42.7000008 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 53759 | | |
| VehDyn_AutoCntrLoSpd_M_str.TimerTrinesi_nis_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 18715 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer2+mesil_ms_u10 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 4211268631 | | |
| | 2160073393 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 240.300003 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 7.30000029e-005 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 | 240.300003 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000934000011 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | | |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 1 | | |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | 398.059998 | | |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 | | |
| VehDyn_Initialize_Cnt_M_lgc | 0 | | |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | | |
| VehDyn_MaxOffset_HwDeg_M_f32 | 1107.974 | | |
| VehDyn_MinOffset_HwDeg_M_f32 | -449.921997 | | |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 7.5999999 | | |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000469999999 | | |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.523000002 | | |
| VehDyn_SLPHwPos_HwDeg_M_f32 | -70.6699982 | | |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 309385728 | | |
| k HiSpdVDAuthority Uls f32 | 0 | | |
| k_HwTqMgnThd_HwNm_f32 | 1.10000002 | | |
| k_LoSpdVDAuthority_Uls_f32 | 1 | | |
| k_SrlHwAgVldTiThd_mS_u32 | 1385 | | |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 41.0999985 | | |
| k_TravelXCDeadband_Uls_f32 | 16.7700005 | | |
| | | | |
| k_TravelXCHwAuthority_Uls_f32 | 0.196700007 | | |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 2127166208 | | |
| target_GetSystemTime_mS_u32_CurrentTime | 1662097408 | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi | | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_Hw | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwD | <u></u> | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_H | _ | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_H | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAu | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHv | vPos_HwDeg_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc | target_VehDyn_Per1_SrlHwAgVld_e | Cnt_lgc | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_Hw | Deg_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdC | RF_MtrNm_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc | target_VehDyn_Per1_VehicleSpeed | IValid_Cnt_lgc | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed | I_Kph_f32 | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -511.670013 | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 1149.19995 | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | -9.5 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | -835.409973 | | |
| target VehDyn Per1 RelHwPos HwDeg f32.value | 240.300003 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 0 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | -70.6699982 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | 5.5999999 | | |
| target_VehDyn_Per1_TorqueCfftdCkr_MiththTisz.value target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 1 | | |
| angot_vonDyn_r or i_voniocopeeuvaliu_ont_igo.value | 120 | | |
| target VehDyn Bert VehicleSpeed Kah f22 volus | | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name | Actual Value | Expected Value | Resu |



| Name | Actual Value | Expected Value | Result |
|------------------------------------------------------------------|--------------|-----------------------|----------|
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 4211268631 | 4211268631 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 2160073393 | 2160073393 | - |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 240.300003 | 240.300003 ± 0.0009 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 240.300003 | 240.300003 ± 0.0009 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | - |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 1662097408 | 1662097408 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 2160073393 | 2160073393 | - |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 240.300003 | 240.300003 ± 0.0009 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 240.300003 | 240.300003 ± 0.0009 | - |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 4211268631 | 4211268631 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 2160073393 | 2160073393 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 240.300003 | 240.300003 ± 0.0009 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 240.300003 | 240.300003 ± 0.0009 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | - |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 | 1 | ✓ |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | ✓ |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | 1 | ✓ |
| VehDyn_MaxOffset_HwDeg_M_f32 | 1149.19995 | 1149.19995 | → |
| VehDyn_MinOffset_HwDeg_M_f32 | -511.670013 | -511.670013 | ✓ |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 7.59202671 | 7.59202719 ± 0.000009 | - |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 309385728 | 309385728 | ✓ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 1 | 1 ± 0.004 | - |
| target VehDyn Per1 SensorlessHwPos HwDeg f32.value | -157.759995 | -157.759995 ± 0.1 | - |

| Τ | | | V | |
|----------------------------------------------------|-------|----------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | ✓ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | • |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ✓ |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | • |

| Test Step 2.153 (Repeat Count = 1) | ✓ |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|
| Name | Input Value |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| GetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 554.5 |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 84.5 |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 4.5 |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 52.5 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 2291 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 7778 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 4004004656 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 4211268631 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -692.390015 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000936000026 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -692.390015 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000566000002 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 456.200012 |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 35.7999992 |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 14.3999996 |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 75.8000031 |



| | TOTAL CITATION |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|
| Name | Input Value |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 33198 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 7778 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 4004004656 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 4211268631 |
| /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -692.390015 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000736000016 |
| /ehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32 | -692.390015 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000464000012 |
| /ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| /ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | |
| /ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 456.899994 |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 86.8000031 |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 6.80000019 |
| /ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 86.8000031 |
| /ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 5235 |
| /ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 27074 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 4004004656 |
| /ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 4211268631 |
| /ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -692.390015 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 7.31999971e-005 |
| /ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -692.390015 |
| /ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000936000026 |
| /ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| /ehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| /ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 1 |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | 497.970001 |
| /ehDyn_HiSpdLearnt_Cnt_M_lgc | 1 |
| /ehDyn_initialize_Cnt_M_gc | 1 |
| /ehDyn_LoSpdLearnt_Cnt_M_lgc | 1 |
| | |
| VehDyn_MaxOffset_HwDeg_M_f32 | 1112.96594 |
| VehDyn_MinOffset_HwDeg_M_f32 | -443.238007 |
| VehDyn_PinTrqSV_M_str.SV_UIs_f32 | -5.400001 |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000471000007 |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.504000008 |
| VehDyn_SLPHwPos_HwDeg_M_f32 | -60.4099998 |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 2659241984 |
| <_HiSpdVDAuthority_Uls_f32 | 0 |
| <_HwTqMgnThd_HwNm_f32 | 2.0999999 |
| <_LoSpdVDAuthority_Uls_f32 | 1 |
| c_SrlHwAgVldTiThd_mS_u32 | 744 |
| <pre>c_SysKinRatio_MtrDegpHwDeg_f32</pre> | 54.0999985 |
| TravelXCDeadband Uls f32 | 15.7399998 |
| TravelXCHwAuthority Uls f32 | 0.197925001 |
| arget DtrmnElapsedTime mS u32 ElapsedTime | 1050692864 |
| arget_GetSystemTime_mS_u32_CurrentTime | 4243378688 |
| | |
| arget_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi | |
| arget_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime | |
| arget_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 |
| arget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 |
| arget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f32 |
| arget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 |
| arget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f32 |
| arget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_Uls_f32 |
| arget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 |
| arget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc |
| arget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 |
| arget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 |
| arget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc | target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc |
| arget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph_f32 |
| arget_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -505.410004 |
| | 1143.63098 |
| arget_VehDyn_Per1_CwEOT_HwDeg_f32.value | |
| arget_VehDyn_Per1_HwTorque_HwNm_f32.value | -9.80000019 |
| arget_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | -835 |
| arget_VehDyn_Per1_RelHwPos_HwDeg_f32.value | -692.390015 |
| arrest Vah Dun Dard Crill hud a Vid Cost Inc. value | 1 |
| | |
| | -60.4099998 |
| arget_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | -60.4099998 1.29999995 |
| arget_VehDyn_Per1_srlHwAgVld_Cnt_lgc.value arget_VehDyn_Per1_srlHwAg_HwDeg_f32.value arget_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value arget_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | |



| Name | Actual Value | Expected Value | Result |
|------------------------------------------------------------------|--------------|------------------------|----------|
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 0 | 0 | - |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 4243378688 | 4243378688 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 4211268631 | 4211268631 | - |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -692.390015 | -692.390015 ± 0.0009 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -692.390015 | -692.390015 ± 0.0009 | - |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | - |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | - |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 4004004656 | 4004004656 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 4211268631 | 4211268631 | - |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -692.390015 | -692.390015 ± 0.0009 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -692.390015 | -692.390015 ± 0.0009 | - |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | - |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | - |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 4004004656 | 4004004656 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 4211268631 | 4211268631 | - |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -692.390015 | -692.390015 ± 0.0009 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -692.390015 | -692.390015 ± 0.0009 | - |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | - |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | Ī | 1 | ✓ |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | - |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | Ī | 1 | ✓ |
| VehDyn_MaxOffset_HwDeg_M_f32 | 1112.96594 | 1112.96594 | - |
| VehDyn_MinOffset_HwDeg_M_f32 | 186.980011 | 186.979996 | - |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | -5.40206099 | -5.40206099 ± 0.000009 | - |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 2659241984 | 2659241984 | - |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 1 | 1 ± 0.004 | - |
| target VehDyn Per1 SensorlessHwPos HwDeg f32.value | -1190.35999 | -1190.35999 ± 0.1 | ✓ |

| Τ | | | V | |
|----------------------------------------------------|-------|----------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | • |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | • |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ✓ |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |

| Test Step 2.154 (Repeat Count = 1) | |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|
| Name | Input Value |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| GetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 200.399994 |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 52.4000015 |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 14.3999996 |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 63.0999985 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 53970 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 58869 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 2967684784 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1385.40002 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000937999983 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1385.40002 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000937999983 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 159 |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 68.1999969 |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 16.7999992 |



| | (MAC)(MV |
|----------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|
| Name | Input Value |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 86.6999969 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 12258 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 36416 |
| VehDyn AutoCntrHiSpd M str.Timer1 mS u32 | 1024 |
| VehDyn AutoCntrHiSpd M str.Timer2 mS u32 | 54822322 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1385.40002 |
| VehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32 | 0.000737999973 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1385.40002 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000468000013 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | - |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 412.799988 |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 106.900002 |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 10.8999996 |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 12.8999996 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 13352 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 14442 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 1024 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 54822322 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1385.40002 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 7.33999987e-005 |
| /ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1385.40002 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000937999983 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 1 |
| VehDyn ForceCenterOffset HwDeg M f32 | 597.880005 |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 |
| VehDyn Initialize Cnt M Igc | 1 |
| VehDyn_Initialize_On_M_igc | 0 |
| VehDyn_MaxOffset_HwDeg_M_f32 | 1117.95801 |
| | -436.553986 |
| VehDyn_MinOffset_HwDeg_M_f32 VehDyn_PinTrqSV_M_str.SV_UIs_f32 | 1.5 |
| | |
| VehDyn_PinTrqSV_M_str.K_UIs_f32 | 0.000472000014 |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.485000014 |
| VehDyn_SLPHwPos_HwDeg_M_f32 | -50.1500015 |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 2942063360 |
| k_HiSpdVDAuthority_Uls_f32 | |
| k_HwTqMgnThd_HwNm_f32 | 3.0999999 |
| k_LoSpdVDAuthority_Uls_f32 | 0 |
| k_SrlHwAgVldTiThd_mS_u32 | 700 |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 63.5 |
| k_TravelXCDeadband_Uls_f32 | 14.71 |
| x_TraveIXCHwAuthority_UIs_f32 | 0.199149996 |
| arget_DtrmnElapsedTime_mS_u32_ElapsedTime | 4243378688 |
| arget_GetSystemTime_mS_u32_CurrentTime | 2127166208 |
| target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedT | 1316564736 |
| arget_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime | |
| arget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 |
| rarget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 |
| arget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f32 |
| arget Rte Inst Ap VehDyn.VehDyn Per1 MotorVelCRF MtrRadpS f32 | target VehDyn Per1 MotorVelCRF MtrRadpS f32 |
| arget_Rte_Inst_Ap_vehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f32 |
| arget_Rte_Inst_Ap_vehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_Uls_f32 |
| arget_Rte_inst_Ap_venDyn.venDyn_Per1_SensoriessAuthority_0is_132 arget_Rte_inst_Ap_VehDyn.VehDyn_Per1_SensoriessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensoriessHwPos_HwDeg_f32 |
| target_Rte_inst_Ap_venDyn.venDyn_Peri_SensoriessHwPos_HwDeg_i32 target_Rte_inst_Ap_venDyn.VehDyn_Peri_SensoriessHwPos_HwDeg_i32 | |
| | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc |
| arget_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 |
| arget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 |
| arget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc | target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc |
| arget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph_f32 |
| arget_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -499.149994 |
| arget_VehDyn_Per1_CwEOT_HwDeg_f32.value | 1138.06201 |
| arget_VehDyn_Per1_HwTorque_HwNm_f32.value | -4.4000001 |
| arget_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | -456.359985 |
| target VehDyn Per1 RelHwPos HwDeg f32.value | -1385.40002 |
| | 1 |
| arget_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 1 |
| | -50.1500015 |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | |



| Name | Input Value | | |
|------------------------------------------------------------------|--------------|-----------------------|----------|
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 230 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 | 1 | • |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 0 | 0 | • |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 2967684784 | 2967684784 | • |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1385.40002 | -1385.40002 ± 0.009 | • |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1385.40002 | -1385.40002 ± 0.009 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | - |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 2127166208 | 2127166208 | • |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 54822322 | 54822322 | • |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1385.40002 | -1385.40002 ± 0.009 | • |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1385.40002 | -1385.40002 ± 0.009 | |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | · · |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 2127166208 | 2127166208 | • |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 54822322 | 54822322 | • |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1385.40002 | -1385.40002 ± 0.009 | • |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1385.40002 | -1385.40002 ± 0.009 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 | 0 | • |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | - |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 | 0 | - |
| VehDyn_MaxOffset_HwDeg_M_f32 | 1117.95801 | 1117.95801 | • |
| VehDyn_MinOffset_HwDeg_M_f32 | 886.25 | 886.25 | • |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 1.49718106 | 1.49718106 ± 0.000009 | • |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 2942063360 | 2942063360 | • |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 1 | 1 ± 0.004 | • |
| target VehDyn Per1 SensorlessHwPos HwDeg f32.value | -1600 | -1600 ± 0.1 | • |

| Τ | | | ✓ | |
|----------------------------------------------------|-------|----------------------------------------------------|----------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ✓ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ✓ |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |

| Test Step 2.155 (Repeat Count = 1) | | |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|--|
| Name | Input Value | |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime | |
| GetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime | |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime | |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime | |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn | |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 0 | |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 457.100006 | |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 34.0999985 | |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 12.1000004 | |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 88.0999985 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 20423 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 18715 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 4294967295 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 3174948758 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1036.69995 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000939999998 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1036.69995 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000939999998 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | |



| | (|
|--------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|
| Name | Input Value |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 10.1999998 |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 45 |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 18.1700001 |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 42.7999992 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 29076 |
| VehDyn AutoCntrHiSpd M str.Timer2Thresh mS u16 | 43868 |
| | 54822322 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 1024 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1036.69995 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000739999989 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1036.69995 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000472000014 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 10.3000002 |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 116.300003 |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 12.3000002 |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 53.2999992 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 21364 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 52716 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 54822322 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 1024 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1036.69995 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 7.36000002e-005 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1036.69995 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000939999998 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| VehDyn AutoCntrLoSpd M str.Filter2Initialized Cnt Igc | 0 |
| · - · · | 1 |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 697.789978 |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | 1 |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | |
| VehDyn_Initialize_Cnt_M_lgc | 0 |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 |
| VehDyn_MaxOffset_HwDeg_M_f32 | 1122.94995 |
| VehDyn_MinOffset_HwDeg_M_f32 | -429.869995 |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | -1.60000002 |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000472999993 |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.465999991 |
| VehDyn_SLPHwPos_HwDeg_M_f32 | -39.8899994 |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 562716928 |
| k_HiSpdVDAuthority_Uls_f32 | 0 |
| k_HwTqMgnThd_HwNm_f32 | 4.0999999 |
| k_LoSpdVDAuthority_UIs_f32 | 1 |
| k_SrlHwAgVldTiThd_mS_u32 | 701 |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 88.3000031 |
| k_TravelXCDeadband_Uls_f32 | 13.6800003 |
| k_TravelXCHwAuthority_Uls_f32 | 0.200375006 |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 1050692864 |
| target GetSystemTime mS u32 CurrentTime | 4243378688 |
| target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedT | |
| target Rte Call Ap VehDyn SystemTime GetSystemTime mS u32 CurrentTime | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 |
| target Rte Inst Ap VehDyn.VehDyn Per1 CwEOT HwDeg f32 | target VehDyn Per1 CwEOT HwDeg /32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target VehDyn Per1 HwTorque HwNm f32 |
| target_Rte_Inst_Ap_venDyn.VenDyn_Per1_mwTorque_mwiiin_isz target_Rte_Inst_Ap_venDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target VehDyn Perl MotorVelCRF MtrRadpS f32 |
| · · - · · · - · - | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_UIs_f32 | target_VehDyn_Per1_SensorlessAuthority_Uls_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc | target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph_f32 |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -492.890015 |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 1132.49304 |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | -2 |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | 118.300003 |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | -1036.69995 |
| | |





| Name | Input Value |
|-------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000942000013 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 56 |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 96.1999969 |
| | 8.06999969 |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 12.3999996 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 32821 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 53946 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 109643620 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 4290967295 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1307.94995 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000742000004 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1307.94995 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000475999987 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 56.0999985 |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 126.099998 |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 14.1000004 |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 86.0999985 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 33198 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 7778 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 109643620 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 4290967295 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1307.94995 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 7.38000017e-005 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1307.94995 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000942000013 |
| | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_Igc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 1 |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | 797.700012 |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 |
| VehDyn_Initialize_Cnt_M_lgc | 0 |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 |
| VehDyn_MaxOffset_HwDeg_M_f32 | 1127.94202 |
| VehDyn_MinOffset_HwDeg_M_f32 | -423.186005 |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | -14.8000002 |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000474 |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.446999997 |
| VehDyn_SLPHwPos_HwDeg_M_f32 | -29.6299992 |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 1250412672 |
| k_HiSpdVDAuthority_Uls_f32 | 1 |
| k_HwTqMgnThd_HwNm_f32 | 5.0999999 |
| k_LoSpdVDAuthority_Uls_f32 | 0 |
| k_SrlHwAgVldTiThd_mS_u32 | 702 |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 96.0999985 |
| k_TravelXCDeadband_Uls_f32 | 12.6499996 |
| k_TravelXCHwAuthority_Uls_f32 | 0.2016 |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 3039943680 |
| target_GetSystemTime_mS_u32_CurrentTime | 1050692864 |
| target_Getoystemmine_mo_us2_current mile target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi | |
| target Rte Call Ap VehDyn SystemTime GetSystemTime mS u32 CurrentTime | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 |
| target_Rte_Inst_Ap_venDyn.VenDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 |
| target_Rte_Inst_Ap_venbyn.venbyn_Fer1_CwEO1_nwbeg_i52 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f32 |
| | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_Uls_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 |
| | target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | |
| target_Rte_Inst_Ap_venDyn.VenDyn_Peri_TorqueCmdCRF_witrNm_r32 target_Rte_Inst_Ap_vehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc | target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc |
| | target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_VehDyn_Per1_VehicleSpeed_Kph_f32 |



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|------------------------------------------------------------------|--------------|-----------------------|----------|
| Name | Input Value | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 1126.92395 | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | 5 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | 1023.04999 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | 1307.94995 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 0 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | -29.6299992 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | -1.89999998 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 0 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 387.73999 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 255468 | 255468 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 3382212733 | 3382212733 | • |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1307.94995 | 1307.94995 ± 0.009 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1307.94995 | 1307.94995 ± 0.009 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 1050692864 | 1050692864 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 4290967295 | 4290967295 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1307.94995 | 1307.94995 ± 0.009 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1307.94995 | 1307.94995 ± 0.009 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 1050692864 | 1050692864 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 4290967295 | 4290967295 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1307.94995 | 1307.94995 ± 0.009 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1307.94995 | 1307.94995 ± 0.009 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 | 0 | ~ |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 | 0 | ~ |
| VehDyn_MaxOffset_HwDeg_M_f32 | 1126.92395 | 1126.92395 | ~ |
| VehDyn_MinOffset_HwDeg_M_f32 | -486.630005 | -486.630005 | ~ |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | -14.7906246 | -14.7906246 ± 0.00009 | ~ |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 1250412672 | 1250412672 | ~ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 1 | 1 ± 0.004 | ~ |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | 510.249939 | 510.25 ± 0.1 | • |

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|-------------------------------------------------------|-------|-------------------------------------------------------|-------|--------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32 | 1 | • |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | • |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |

| Test Step 2.157 (Repeat Count = 1) | ✓ |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|
| Name | Input Value |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| GetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 533.099976 |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 88.4000015 |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 2.47000003 |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 10.3999996 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 25532 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 36612 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 164464918 |



| Name | Input Value |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 0 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -893.640015 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000944000029 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -893.640015 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000944000029 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 86.1999969 |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 129 |
| VehDyn AutoCntrHiSpd M str.FiltPinTrg HwNm f32 | 4.80000019 |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 53.2999992 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 40437 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 13059 |
| VehDyn AutoCntrHiSpd M str.Timer1 mS u32 | 164464918 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 1078320779 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -893.640015 |
| /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.V_Dis_132 | 0.000744000019 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -893.640015 |
| | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000479999988 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 86.1999969 |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 136.199997 |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 16.2000008 |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 96.1999969 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 21335 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 34188 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 164464918 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 1078320779 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -893.640015 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 7.40000032e-005 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -893.640015 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000944000029 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn AutoCntrLoSpd M str.Filter1Initialized Cnt Igc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 0 |
| VehDyn ForceCenterOffset HwDeg M f32 | 897.609985 |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 |
| VehDyn_Initialize_Cnt_M_lgc | 1 |
| VehDyn_Initialize_Ght_M_igc | 1 |
| VehDyn_bosputzami_oni_wi_gc | 1132.93396 |
| | |
| VehDyn_MinOffset_HwDeg_M_f32 | -416.502014 |
| VehDyn_PinTrqSV_M_str.SV_UIs_f32 | 17.7999992 |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000475000008 |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.428000003 |
| VehDyn_SLPHwPos_HwDeg_M_f32 | -19.3700008 |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 1529874944 |
| k_HiSpdVDAuthority_Uls_f32 | 0 |
| k_HwTqMgnThd_HwNm_f32 | 6.099999 |
| k_LoSpdVDAuthority_UIs_f32 | 1 |
| k_SrlHwAgVldTiThd_mS_u32 | 703 |
| <_SysKinRatio_MtrDegpHwDeg_f32 | 32.0999985 |
| c_TraveIXCDeadband_Uls_f32 | 11.6199999 |
| x_TraveIXCHwAuthority_UIs_f32 | 0.202824995 |
| arget_DtrmnElapsedTime_mS_u32_ElapsedTime | 1316564736 |
| target_GetSystemTime_mS_u32_CurrentTime | 3039943680 |
| arget_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed | 2728878080 |
| arget_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTim | |
| arget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 |
| | target_VehDyn_Per1_CwEOT_HwDeg_f32 |
| arget Rte Inst Ap VehDvn.VehDvn Per1 CwEOT HwDeg f32 | |
| | larger vendyn Peri hwrordue hwnn isz |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_VehDyn_Per1_RelHwPos_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_VehDyn_Per1_RelHwPos_HwDeg_f32 target_VehDyn_Per1_SensorlessAuthority_Uls_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc | target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_VehDyn_Per1_RelHwPos_HwDeg_f32 |



| Name | Input Value | | |
|------------------------------------------------------------------|-------------------------------|----------------------|----------|
| target Rte Inst Ap VehDyn.VehDyn Per1 TorqueCmdCRF MtrNm f32 | target VehDyn Per1 TorqueCmo | ICRF MtrNm f32 | |
| target Rte Inst Ap VehDyn.VehDyn Per1 VehicleSpeedValid Cnt Igc | target VehDyn Per1 VehicleSpe | edValid Cnt lgc | |
| target Rte Inst Ap VehDyn.VehDyn Per1 VehicleSpeed Kph f32 | target VehDyn Per1 VehicleSpe | ed Kph f32 | |
| target VehDyn Per1 CcwEOT HwDeg f32.value | -480.369995 | _ · _ | |
| target VehDyn Per1 CwEOT HwDeg f32.value | 1121.35498 | | |
| target VehDyn Per1 HwTorque HwNm f32.value | 5.55999994 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | -147 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | -893.640015 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 1 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | -19.3700008 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | 8.19999981 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 1 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 398 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 0 | 0 | |
| VehDyn AutoCntrDetSpd M str.Timer1 mS u32 | 3039943680 | 3039943680 | - |
| VehDyn AutoCntrDetSpd M str.Timer2 mS u32 | 0 | 0 | _ |
| VehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32 | -893.640015 | -893.640015 ± 0.0009 | ✓ |
| VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32 | -893.640015 | -893.640015 ± 0.0009 | |
| VehDyn AutoCntrDetSpd M str.Filter1Enable Cnt lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | _ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | _ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 164464918 | 164464918 | - |
| VehDyn AutoCntrHiSpd M str.Timer2 mS u32 | 1078320779 | 1078320779 | |
| VehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32 | -893.640015 | -893.640015 ± 0.0009 | ✓ |
| VehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32 | -893.640015 | -893.640015 ± 0.0009 | |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | - |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_Igc | 1 | 1 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | - |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 164464918 | 164464918 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 1078320779 | 1078320779 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -893.640015 | -893.640015 ± 0.0009 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -893.640015 | -893.640015 ± 0.0009 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | - |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | - |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 | 1 | ✓ |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | - |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | 1 | ✓ |
| VehDyn_MaxOffset_HwDeg_M_f32 | 1132.93396 | 1132.93396 | - |
| VehDyn_MinOffset_HwDeg_M_f32 | 413.27002 | 413.269989 | ✓ |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 17.7943058 | 17.7943077 ± 0.00009 | ✓ |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 1529874944 | 1529874944 | · |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 1 | 1 ± 0.004 | ✓ |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | -19.3700008 | -19.3700008 ± 0.1 | ✓ |

| T | | | V | |
|-------------------------------------------------------|-------|-------------------------------------------------------|-------|--------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | • |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |

| Test Step 2.158 (Repeat Count = 1) | | |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|--|
| Name | Input Value | |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime | |
| GetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime | |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime | |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime | |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn | |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 | |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 570.02002 | |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 76.1999969 | |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 4.19999981 | |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 25.2000008 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 49475 | |



| Name | Input Value |
|----------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 22037 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 219286216 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 4294967295 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 616.409973 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000945999986 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 616.409973 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000945999986 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| VehDyn AutoCntrDetSpd M str.Filter1Initialized Cnt Igc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 75.1999969 |
| /ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 88.8000031 |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 16.0300007 |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 86.900015 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 2291 |
| | 58929 |
| /ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 219286216 |
| /ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 2138628886 |
| /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 616.409973 |
| /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000745999976 |
| /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 | 616.409973 |
| /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000483999989 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| /ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| /ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 75.4000015 |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 146.399994 |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 18.3999996 |
| /ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 45.4000015 |
| /ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 12258 |
| /ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 36416 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 219286216 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 2138628886 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 616.409973 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 7.41999975e-005 |
| VehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32 | 616.409973 |
| VehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32 | 0.000945999986 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| VehDyn AutoChtrLoSpd M str.Filter2Initialized Cht_lgc | 1 |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 0 |
| | 1 |
| /ehDyn_ForceCenterOffset_HwDeg_M_f32 | 997.52002 |
| /ehDyn_HiSpdLearnt_Cnt_M_lgc | 0 |
| VehDyn_Initialize_Cnt_M_lgc | |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 |
| VehDyn_MaxOffset_HwDeg_M_f32 | 1137.92603 |
| /ehDyn_MinOffset_HwDeg_M_f32 | -409.817993 |
| /ehDyn_PinTrqSV_M_str.SV_UIs_f32 | -7 |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000475999987 |
| /ehDyn_SLPHwAuth_Uls_M_f32 | 0.409000009 |
| /ehDyn_SLPHwPos_HwDeg_M_f32 | -9.10999966 |
| /ehDyn_SrlHwAgVldTimer_mS_M_u32 | 889019776 |
| <_HiSpdVDAuthority_Uls_f32 | 1 |
| <_HwTqMgnThd_HwNm_f32 | 7.0999999 |
| _LoSpdVDAuthority_Uls_f32 | 0 |
| c_SrlHwAgVldTiThd_mS_u32 | 9000 |
| <pre>c_SysKinRatio_MtrDegpHwDeg_f32</pre> | 52.2999992 |
| C_TravelXCDeadband_Uls_f32 | 10.5900002 |
| C_TraveIXCHwAuthority_UIs_f32 | 0.204050004 |
| arget_DtrmnElapsedTime_mS_u32_ElapsedTime | 2075080192 |
| arget_GetSystemTime_mS_u32_CurrentTime | 1316564736 |
| arget_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedT | |
| rarget_Rte_Call_Ap_VehDyn_SystemTime_BtiffinalpsetTime_mS_u32_CurrentTime rarget_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime | |
| arget_Rte_Call_Ap_VehDyn_Systemmine_GetSystemmine_inS_u32_currentmine arget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 | |
| | target_VehDyn_Per1_CcwEOT_HwDeg_f32 |
| rarget_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_Uls_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 |



| Name | Input Value | | | |
|------------------------------------------------------------------|---------------------------------------|------------------------|----------|--|
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCr | mdCRF_MtrNm_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc | target_VehDyn_Per1_VehicleSp | peedValid_Cnt_lgc | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSp | peed_Kph_f32 | | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -474.109985 | | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 1115.78601 | | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | 6.11999989 | | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | 88.8700027 | | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | 616.409973 | | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 1 | | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | -9.10999966 | | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | -8.39999962 | | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 0 | | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 489.450012 | | | |
| Name | Actual Value | Expected Value | Result | |
| VehDyn AllowHiSpdAutoCntr Cnt M Igc | 1 | 1 | ~ | |
| VehDyn AutoCntrDetSpd M str.Timer1 mS u32 | 219286216 | 219286216 | ✓ | |
| VehDyn AutoCntrDetSpd M str.Timer2 mS u32 | 4294967295 | 4294967295 | ✓ | |
| VehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32 | 616.409973 | 616.409973 ± 0.0009 | ✓ | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 616.409973 | 616.409973 ± 0.0009 | - | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | ✓ | |
| VehDyn AutoCntrDetSpd M str.Filter2Enable Cnt lgc | 1 | 1 | - | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ✓ | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | - | |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 1316564736 | 1316564736 | ✓ | |
| VehDyn AutoCntrHiSpd M str.Timer2 mS u32 | 2138628886 | 2138628886 | - | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 616.409973 | 616.409973 ± 0.0009 | ✓ | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 616.409973 | 616.409973 ± 0.0009 | ✓ | |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ✓ | |
| VehDyn AutoCntrHiSpd M str.Filter2Enable Cnt lgc | 0 | 0 | ✓ | |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ✓ | |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | - | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 1316564736 | 1316564736 | ✓ | |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 2138628886 | 2138628886 | - | |
| VehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32 | 616.409973 | 616.409973 ± 0.0009 | ✓ | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 616.409973 | 616.409973 ± 0.0009 | - | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ✓ | |
| VehDyn AutoCntrLoSpd M str.Filter2Enable Cnt lgc | 1 | 1 | - | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ✓ | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | - | |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 | 0 | ✓ | |
| VehDyn Initialize Cnt M Igc | 1 | 1 | | |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 | 0 | ~ | |
| VehDyn_MaxOffset_HwDeg_M_f32 | 499.376038 | 499.376007 | - | |
| VehDyn MinOffset HwDeg M f32 | -409.817993 | -409.817993 | ✓ | |
| VehDyn PinTrgSV M str.SV Uls f32 | -6.99383116 | -6.99383116 ± 0.000009 | ~ | |
| VehDyn SrlHwAgVldTimer mS M u32 | 889019776 | 889019776 | ✓ | |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 1 | 1 ± 0.004 | ~ | |
| target VehDyn Per1 SensorlessHwPos HwDeg f32.value | -9.10999966 | -9.10999966 ± 0.1 | ✓ | |

| Τ | | | ✓ | |
|-------------------------------------------------------|-------|-------------------------------------------------------|----------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32 | 1 | ✓ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | - |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | • |

| Test Step 2.159 (Repeat Count = 1) | | ~ |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|---|
| Name | Input Value | |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime | |
| GetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime | |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime | |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime | |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn | |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 | |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 497.100006 | |



| | (12.10.0 |
|-----------------------------------------------------------------------|--------------------------------------|
| Name | Input Value |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 86.099985 |
| VehDyn AutoCntrDetSpd M str.FiltPinTrg HwNm f32 | 6.0999999 |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 86.099985 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 43128 |
| | 3186 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 274107514 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 255468 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -833.309998 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000948000001 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -833.309998 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000948000001 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| | 98.8000031 |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 76.099985 |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 14.04 |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 96.4000015 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 38868 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 57944 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 274107514 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 2345892860 |
| VehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32 | -833.309998 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000747999991 |
| VehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32 | -833.309998 |
| · - · · | 0.000487999991 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 98.5 |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 156.5 |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 3.5 |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 78.5 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 34738 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 36612 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 274107514 |
| | |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 2345892860 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -833.30998 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 7.439999e-005 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -833.309998 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000948000001 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 1 |
| | 1097.43005 |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 |
| VehDyn_Initialize_Cnt_M_lgc | 0 |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 |
| VehDyn_MaxOffset_HwDeg_M_f32 | 1142.91797 |
| VehDyn_MinOffset_HwDeg_M_f32 | -403.134003 |
| VehDyn_PinTrqSV_M_str.SV_UIs_f32 | 6.30000019 |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000476999994 |
| VehDyn SLPHwAuth Uls M f32 | 0.389999986 |
| VehDyn_SLPHwPos HwDeg M f32 | 1.14999998 |
| | 751082240 |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | |
| k_HiSpdVDAuthority_Uls_f32 | 0 |
| k_HwTqMgnThd_HwNm_f32 | 8.10000038 |
| k_LoSpdVDAuthority_Uls_f32 | 1 |
| k_SrlHwAgVldTiThd_mS_u32 | 1000 |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 10.1000004 |
| k_TravelXCDeadband_Uls_f32 | 9.56000042 |
| k TravelXCHwAuthority Uls f32 | 0.205274999 |
| target DtrmnElapsedTime mS u32 ElapsedTime | 954802432 |
| · - · · · · · | 2075080192 |
| target_GetSystemTime_mS_u32_CurrentTime | |
| target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 Elapsed | |
| target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f32 |
| | |



| Name | Input Value | | |
|-------------------------------------------------------------------|------------------------------|-----------------------|----------|
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVel0 | CRF_MtrRadpS_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos | s_HwDeg_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_Sensorles | ssAuthority_Uls_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_Sensorles | ssHwPos_HwDeg_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc | target_VehDyn_Per1_SrlHwAg\ | /ld_Cnt_lgc | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_ | HwDeg_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCn | ndCRF MtrNm f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc | target_VehDyn_Per1_VehicleSp | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSp | peed_Kph_f32 | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -467.850006 | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 1110.21704 | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | 6.67999983 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | -75.4400024 | | |
| target VehDyn Per1 RelHwPos HwDeg f32.value | -833.309998 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 0 | | |
| target VehDyn Per1 SrlHwAg HwDeg f32.value | 1.14999998 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | 4.9000001 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 1 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 500 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 | 1 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 274107514 | 274107514 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 255468 | 255468 | _ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -833.309998 | -833.309998 ± 0.0009 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -833.309998 | -833.309998 ± 0.0009 | _ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn AutoCntrDetSpd M str.Filter2Enable Cnt lgc | 0 | 0 | _ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 274107514 | 274107514 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 2075080192 | 2075080192 | _ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -833.309998 | -833.309998 ± 0.0009 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -833.309998 | -833.309998 ± 0.0009 | _ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | _ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 274107514 | 274107514 | ~ |
| VehDyn AutoCntrLoSpd M str.Timer2 mS u32 | 2345892860 | 2345892860 | _ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -833.309998 | -833.309998 ± 0.0009 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -833.309998 | -833.309998 ± 0.0009 | _ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | _ |
| VehDyn AutoCntrLoSpd M str.Filter2Initialized Cnt Igc | 0 | 0 | |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 | 1 | _ |
| VehDyn Initialize Cnt M Igc | 1 | 1 | |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | 1 | • |
| VehDyn_MaxOffset_HwDeg_M_f32 | 1110.21704 | 1110.21704 | |
| VehDyn MinOffset HwDeg M f32 | -467.850006 | -467.850006 | · |
| VehDyn PinTrgSV M str.SV Uls f32 | 6.30041265 | 6.30041265 ± 0.000009 | |
| VehDyn SrlHwAgVldTimer mS M u32 | 751082240 | 751082240 | _ |
| , - , | | 1 ± 0.004 | |
| target VehDyn Per1 SensorlessAuthority Uls f32.value | 1 | | |

| T v | | | | |
|-------------------------------------------------------|-------|-------------------------------------------------------|-------|--------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | - |
| DtrmnElapsedTime_mS_u32 | 1 | DtrmnElapsedTime_mS_u32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| DtrmnElapsedTime_mS_u32 | 1 | DtrmnElapsedTime_mS_u32 | 1 | ~ |
| Rte Call VehDyn Per1 CP1 CheckpointReached | 1 | Rte Call VehDvn Per1 CP1 CheckpointReached | 1 | _ |

| Test Step 2.160 (Repeat Count = 1) | √ |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|
| Name | Input Value |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| GetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |



| Name | Input Value |
|----------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| /ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 |
| /ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 31.2999992 |
| /ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 96.3000031 |
| /ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 8.30000019 |
| /ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 56.2999992 |
| /ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 53759 |
| /ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 30349 |
| /ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 328928812 |
| /ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 2553156835 |
| /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1124.05005 |
| /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000950000016 |
| /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1124.05005 |
| /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000950000016 |
| /ehDyn AutoCntrDetSpd M str.Filter1Enable Cnt lgc | 1 |
| /ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| /ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| /ehDyn_AutoOntrDetSpd_M_str.Filter2Initialized_Ont_lgc | 0 |
| /ehDyn_AutoCntr-betspu_w_str.htterzimitalized_cnt_ige /ehDyn_AutoCntr-hiSpd_M_str.MtrVel_MtrRadpS_f32 | 66.5 |
| | |
| /ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 86.599985 |
| ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 12.0500002 |
| ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 45.599985 |
| /ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 53970 |
| /ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 52282 |
| /ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 328928812 |
| /ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 2553156835 |
| /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1124.05005 |
| /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000750000007 |
| /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1124.05005 |
| /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000492000021 |
| /ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| /ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| /ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| /ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| /ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 66.5999985 |
| /ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 126.599998 |
| /ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 5.5999999 |
| /ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 96.5999985 |
| /ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 37799 |
| /ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 41632 |
| /ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 328928812 |
| /ehDyn AutoCntrLoSpd M str.Timer2 mS u32 | 2553156835 |
| /ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1124.05005 |
| | |
| /ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 7.46000005e-005 |
| /ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1124.05005 |
| /ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000950000016 |
| /ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| /ehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| /ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| /ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| /ehDyn_ForceCenterEnabled_Cnt_M_lgc | 0 |
| /ehDyn_ForceCenterOffset_HwDeg_M_f32 | 1197.33997 |
| ehDyn_HiSpdLearnt_Cnt_M_lgc | 1 |
| /ehDyn_Initialize_Cnt_M_lgc | 0 |
| /ehDyn_LoSpdLearnt_Cnt_M_lgc | 0 |
| /ehDyn_MaxOffset_HwDeg_M_f32 | 1147.91003 |
| ehDyn_MinOffset_HwDeg_M_f32 | -396.450012 |
| /ehDyn_PinTrqSV_M_str.SV_UIs_f32 | 15.1999998 |
| /ehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000478000002 |
| /ehDyn_SLPHwAuth_Uls_M_f32 | 0.370999992 |
| ehDyn_SLPHwPos_HwDeg_M_f32 | 11.4099998 |
| /ehDyn_SrlHwAgVldTimer_mS_M_u32 | 108313216 |
| _HiSpdVDAuthority_Uls_f32 | 0 |
| HwTqMgnThd HwNm f32 | 9.10000038 |
| LoSpdVDAuthority Uls f32 | 0 |
| _LOSpavDAuthority_ors_132 SrlHwAgVIdTiThd mS u32 | 20045 |
| | |
| SysKinRatio_MtrDegpHwDeg_f32 | 25.2999992 |
| c_TraveIXCDeadband_UIs_f32 | 8.52999973 |
| x_TraveIXCHwAuthority_UIs_f32 | 0.206499994 |
| arget_DtrmnElapsedTime_mS_u32_ElapsedTime | 2728878080 |
| arget_GetSystemTime_mS_u32_CurrentTime | 954802432 |



| Name | Input Value | | |
|--------------------------------------------------------------------------------------------|----------------------------------------|-------------------------------------|----------|
| target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTim | • | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f | 32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f3 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_ | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrR | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_ | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority | - | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_l | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lg | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f3 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_M | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc | target_VehDyn_Per1_VehicleSpeedValid_ | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph_ | f32 | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -461.589996 | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 1104.64795 | | |
| target VehDyn Per1 HwTorque HwNm f32.value | 7.23999977 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | 154 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | -1124.05005 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 0 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | 11.4099998 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | -4.5 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 0 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 75 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 328928812 | 328928812 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 2553156835 | 2553156835 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1124.05005 | -1124.05005 ± 0.009 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1124.05005 | -1124.05005 ± 0.009 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 954802432 | 954802432 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 2553156835 | 2553156835 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1124.05005 | -1124.05005 ± 0.009 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1124.05005 | -1124.05005 ± 0.009 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 328928812 | 328928812 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 2553156835 | 2553156835 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1124.05005 | -1124.05005 ± 0.009 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1124.05005 | -1124.05005 ± 0.0009 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | ✓ |
| VehDyn LoSpdLearnt Cnt M lgc | 0 | 0 | ~ |
| 7 | | 1104.64795 | ✓ |
| , - , | 1104.64795 | 1104.04795 | |
| VehDyn_MaxOffset_HwDeg_M_f32 | 1104.64795 -461.589996 | -461.589996 | ~ |
| VehDyn_MaxOffset_HwDeg_M_f32 | | | ~ |
| VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32 | -461.589996 | -461.589996 | |
| VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32 VehDyn_PinTrqSV_M_str.SV_UIs_f32 | -461.589996 15.1961098 | -461.589996 15.1961098 ± 0.00009 | ~ |

| T | | | | ✓ |
|-------------------------------------------------------|-------|-------------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Rte Call VehDyn Per1 CP1 CheckpointReached | 1 | Rte Call VehDyn Per1 CP1 CheckpointReached | 1 | ~ |

| Test Step 2.161 (Repeat Count = 1) | ✓ |
|--------------------------------------|--------------------------------------------|
| Name | Input Value |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |



| Name | Input Value |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|
| GetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 290.299988 |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 106.300003 |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 10.3000002 |
| VehDyn AutoCntrDetSpd M str.CntrWindow HwDeg f32 | 54.2999992 |
| VehDyn AutoCntrDetSpd M str.Timer1Thresh mS u16 | 13352 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 3277 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 383750110 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 2760420809 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -136.300003 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000951999973 |
| | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -136.300003 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000951999973 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| /ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| /ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| /ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 34.2999992 |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 96.8000031 |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 10.0500002 |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 78.5 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 20423 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 31368 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 383750110 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 2760420809 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -136.300003 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000752000022 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -136.300003 |
| VehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32 | 0.000495999993 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 34.0999985 |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 136.100006 |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrg_HwNm_f32 | 1.1000000 |
| · - · - · | |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 32.099985 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 26195 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 22037 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 383750110 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 2760420809 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -136.300003 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 7.4800002e-005 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -136.300003 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000951999973 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 0 |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | 1297.25 |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 |
| VehDyn Initialize Cnt M Igc | 1 |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 |
| VehDyn MaxOffset HwDeg M f32 | 1152.90198 |
| VehDyn MinOffset HwDeg M f32 | -389.765991 |
| VehDyn_PinTrqSV_M_str.SV_UIs_f32 | 14 |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000479000009 |
| VenDyn_PirtrigSv_M_sir.k_ois_is2 VehDyn_SLPHwAuth_Uls_M_f32 | 0.35199998 |
| | |
| VehDyn_SLPHwPos_HwDeg_M_f32 | 21.6700001 |
| VehDyn_SrlHwAgVIdTimer_mS_M_u32 | 1662097408 |
| k_HiSpdVDAuthority_Uls_f32 | 1 |
| k_HwTqMgnThd_HwNm_f32 | 0.119999997 |
| k_LoSpdVDAuthority_Uls_f32 | 1 |
| k_SrlHwAgVldTiThd_mS_u32 | 951 |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 86.3000031 |
| k_TraveIXCDeadband_Uls_f32 | 7.5 |
| k_TravelXCHwAuthority_Uls_f32 | 0.207725003 |
| | 824746752 |



| Name | Input Value | | |
|----------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|-----------------------------------|----------|
| target_GetSystemTime_mS_u32_CurrentTime | 2728878080 | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi | | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime | 1662097408 | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 | | |
| target Rte Inst Ap VehDyn.VehDyn Per1 CwEOT HwDeg f32 | target VehDyn Per1 CwEOT HwDeg f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRad | pS f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f3 | 2 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_L | lls_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_Hw | /Deg_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_MtrN | m_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc | target_VehDyn_Per1_VehicleSpeedValid_Cr | nt_lgc | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph_f3 | 2 | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -455.329987 | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 1099.07898 | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | 7.80000019 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | -759.440002 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | -136.300003 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 1 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | 21.6700001 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | 4.9000001 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 1 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 99.9639969 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn AllowHiSpdAutoCntr Cnt M lgc | 1 | 1 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 383750110 | 383750110 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 2760420809 | 2760420809 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -136.300003 | -136.300003 ± 0.0009 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -136.300003 | -136.300003 ± 0.0009 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 2728878080 | 2728878080 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 2760420809 | 2760420809 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -136.300003 | -136.300003 ± 0.0009 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -136.300003 | -136.300003 ± 0.0009 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 383750110 | 383750110 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 2760420809 | 2760420809 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -136.300003 | -136.300003 ± 0.0009 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -136.300003 | -136.300003 ± 0.0009 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | • |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 | 1 | ✓ |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | • |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | 1 | • |
| VehDyn_MaxOffset_HwDeg_M_f32 | 1152.90198 | 1152.90198 | |
| | -319.029968 | -319.029999 | • |
| VehDyn_MinOffset_HwDeg_M_f32 | | | |
| | 13.997057 | 13.997057 ± 0.00009 | |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 13.997057 1662097408 | 13.997057 ± 0.00009 1662097408 | Ž |
| VehDyn_MinOffset_HwDeg_M_f32 VehDyn_PinTrqSV_M_str.SV_Uls_f32 VehDyn_SrlHwAgVldTimer_mS_M_u32 target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | | | |

| T ✓ | | | ✓ | |
|----------------------------------------------------|-------|----------------------------------------------------|----------|--------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | • |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | • |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | • |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |



| lame | Input Value |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------|
| trmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| etSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| te_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| tte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| tte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 |
| ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 200.600006 |
| · - · · - | 52.5999985 |
| ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | |
| ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 14.600004 |
| ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 63.5999985 |
| ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 53970 |
| ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 58869 |
| ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 1024 |
| ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 54822322 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -444.839996 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000961999991 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -444.839996 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000961999991 |
| ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 159.300003 |
| ehDyn AutoCntrHiSpd M str.VehSpd kph f32 | 68.8000031 |
| ehDyn AutoCntrHiSpd M str.FiltPinTrg HwNm f32 | 16.7999992 |
| ehDyn AutoCntrHiSpd M str.CntrWindow HwDeg f32 | 86.599985 |
| ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 12258 |
| ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 36416 |
| | 1024 |
| ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | |
| ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 54822322 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -444.839996 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000761999981 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -444.839996 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000515999971 |
| ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 412.5 |
| ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 106.5 |
| ehDyn AutoCntrLoSpd M str.FiltPinTrg HwNm f32 | 10.5 |
| ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 12.5 |
| ehDyn AutoCntrLoSpd M str.Timer1Thresh mS u16 | 13352 |
| ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 14442 |
| ehDyn AutoCntrLoSpd M str.Timer1 mS u32 | 1024 |
| ehDyn_AutoCntrLoSpd_M_str.Timer1_m3_u32 | 54822322 |
| ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -444.839996 |
| | |
| ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDog_str.K_Uls_f32 | 7.58000024e-005 |
| ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -444.839996 |
| ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000961999991 |
| ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| ehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| ehDyn_ForceCenterEnabled_Cnt_M_lgc | 1 |
| ehDyn_ForceCenterOffset_HwDeg_M_f32 | 1397.16003 |
| ehDyn_HiSpdLearnt_Cnt_M_lgc | 1 |
| ehDyn_Initialize_Cnt_M_lgc | 1 |
| ehDyn_LoSpdLearnt_Cnt_M_lgc | 0 |
| ehDyn_MaxOffset_HwDeg_M_f32 | -1157.89404 |
| ehDyn_MinOffset_HwDeg_M_f32 | 12.3000002 |
| ehDyn_PinTrqSV_M_str.SV_Uls_f32 | 1.5 |
| ehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000483999989 |
| ehDyn_SLPHwAuth_Uls_M_f32 | 0.333000004 |
| ehDyn_SLPHwPos_HwDeg_M_f32 | 31.9300003 |
| | 1050692864 |
| | 1000002004 |
| ehDyn_SrlHwAgVldTimer_mS_M_u32 | 0.90000076 |
| ehDyn_SrlHwAgVldTimer_mS_M_u32 _HiSpdVDAuthority_Uls_f32 | 0.89999976 |
| ehDyn_SrlHwAgVldTimer_mS_M_u32 _HiSpdVDAuthority_Uls_f32 _HwTqMgnThd_HwNm_f32 | 5.44999981 |
| ehDyn_SrlHwAgVldTimer_mS_M_u32 _HiSpdVDAuthority_Uls_f32 | |



| Name | Input Value 6.46999979 | | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|
| k_TravelXCDeadband_Uls_f32 k_TravelXCHwAuthority_Uls_f32 | 0.208949998 | | |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 3304439296 | | |
| target_GetSystemTime_mS_u32_CurrentTime | 824746752 | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedT | | | |
| target Rte Call Ap VehDyn SystemTime GetSystemTime mS u32 CurrentTime | | | |
| target Rte Inst Ap VehDyn.VehDyn Per1 CcwEOT HwDeg f32 | target VehDyn Per1 CcwEOT HwDeg f32 | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target VehDyn Per1 HwTorque HwNm f32 | | |
| target Rte Inst Ap VehDyn.VehDyn Per1 MotorVelCRF MtrRadpS f32 | target_VehDyn_Per1_MotorVelCRF_MtrRad | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f3. | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_L | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_Hw | /Deg_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_MtrN | lm_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc | target_VehDyn_Per1_VehicleSpeedValid_Cr | nt_lgc | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph_f3. | 2 | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -449.070007 | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 1093.51001 | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | 8.35999966 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | -456 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | -444.839996 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 1 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | 31.9300003 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | -4.5999999 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 0 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 230 | | |
| Name | Actual Value | Expected Value | Result |
| | | | |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 1024 | 1024 | |
| | | 1024 54822322 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 1024 54822322 -444.839996 | 1024 54822322 -444.839996 ± 0.0009 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1024 54822322 -444.839996 -444.839996 | 1024 54822322 -444.839996 ± 0.0009 -444.839996 ± 0.0009 | 7 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1024 54822322 -444.839996 -444.839996 0 | 1024 54822322 -444.839996 ± 0.0009 -444.839996 ± 0.0009 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1024 54822322 -444.839996 -444.839996 0 | 1024 54822322 -444.839996 ± 0.0009 -444.839996 ± 0.0009 0 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1024 54822322 -444.839996 -444.839996 0 | 1024 54822322 -444.839996 ± 0.0009 -444.839996 ± 0.0009 0 | \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1024 54822322 -444.839996 -444.839996 0 0 | 1024 54822322 -444.839996 ± 0.0009 -444.839996 ± 0.0009 0 0 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 1024 54822322 -444.839996 -444.839996 0 0 1 1 824746752 | 1024 54822322 -444.839996 ± 0.0009 -444.839996 ± 0.0009 0 0 1 824746752 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 1024 54822322 -444.839996 -444.839996 0 0 1 824746752 54822322 | 1024 54822322 -444.839996 ± 0.0009 -444.839996 ± 0.0009 0 0 1 824746752 54822322 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1024 54822322 -444.839996 -444.839996 0 0 1 824746752 54822322 -444.839996 | 1024 54822322 -444.839996 ± 0.0009 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1024 54822322 -444.839996 -444.839996 0 0 1 824746752 54822322 -444.839996 -444.839996 | 1024 54822322 -444.839996 ± 0.0009 0 0 0 1 824746752 54822322 -444.839996 ± 0.0009 -444.839996 ± 0.0009 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1024 54822322 -444.839996 -444.839996 0 0 1 824746752 54822322 -444.839996 -444.839996 0 | 1024 54822322 -444.839996 ± 0.0009 0 0 0 1 824746752 54822322 -444.839996 ± 0.0009 0 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1024 54822322 -444.839996 -444.839996 0 0 1 824746752 54822322 -444.839996 -444.839996 0 | 1024 54822322 -444.839996 ± 0.0009 0 0 0 1 824746752 54822322 -444.839996 ± 0.0009 0 1 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1024 54822322 -444.839996 -444.839996 0 0 1 824746752 54822322 -444.839996 -444.839996 0 1 | 1024 54822322 -444.839996 ± 0.0009 0 0 0 1 824746752 54822322 -444.839996 ± 0.0009 -444.839996 ± 0.0009 | |
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| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc | 1024 54822322 -444.839996 0 0 0 1 824746752 54822322 -444.839996 0 1 1 0 1024 54822322 -444.839996 -444.839996 1 0 0 0 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 1 1 0 0 1 1 0 1 1 0 0 1 1 0 1 1 0 0 1 1 0 1 1 0 1 1 0 0 1 1 1 0 0 1 1 1 0 0 0 1 1 1 0 0 1 1 1 0 0 0 1 1 1 0 0 1 1 1 0 0 0 0 0 1 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 | 1024 54822322 -444.839996 ± 0.0009 0 0 0 1 824746752 54822322 -444.839996 ± 0.0009 0 1 1 0 1024 54822322 -444.839996 ± 0.0009 -444.839996 ± 0.0009 1 0 0 0 0 1 1 0 1 0 1 0 0 0 1 1 0 0 1 1 0 1 0 1 0 0 1 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 0 1 1 0 1 0 0 0 1 1 1 0 0 1 1 0 1 0 1 0 0 1 1 0 1 0 1 0 1 0 1 0 0 0 1 1 1 0 0 0 0 1 1 1 0 0 1 0 0 0 1 1 1 0 0 0 0 1 1 1 0 0 0 0 1 1 0 0 0 0 1 1 0 0 0 0 1 1 0 0 0 0 0 1 1 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_MaxOffset_HwDeg_M_f32 | 1024 54822322 -444.839996 0 0 0 1 824746752 54822322 -444.839996 0 1 1 1 0 1024 54822322 -444.839996 0 1 1 1 0 1024 54822322 -444.839996 1 0 0 0 1 1 1 0 1 1 0 1 1 0 1 1 0 1 1 0 1 1 0 1 1 0 1 1 0 1 1 0 1 1 1 0 0 1 1 1 0 1 1 1 0 0 1 1 1 0 0 1 1 1 0 0 1 1 1 0 0 1 1 1 0 0 1 1 1 0 0 1 1 1 0 0 1 1 1 0 0 1 1 1 0 0 1 1 1 0 0 1 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 | 1024 54822322 -444.839996 ± 0.0009 -444.839996 ± 0.0009 0 0 1 824746752 54822322 -444.839996 ± 0.0009 0 1 1 0 0 1024 54822322 -444.839996 ± 0.0009 -444.839996 ± 0.0009 1 1 0 0 1024 54822322 -414.839996 ± 0.0009 -1 1 0 0 0 1 1 1 0 0 1 1 1 0 0 1 1 1 0 0 1 1 1 0 -1157.89404 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32 | 1024 54822322 -444.839996 0 0 0 1 824746752 54822322 -444.839996 0 1 1 0 1024 54822322 -444.839996 0 1 1 0 1024 54822322 -444.839996 1 1 0 0 0 0 0 1 1 1 0 1 1 0 1 1 0 1 1 0 1 1 0 1 1 0 1 1 1 0 1 1 0 1 1 1 0 1 1 1 0 1 1 1 0 1 1 1 0 1 1 1 0 1 1 1 0 1 1 1 0 1 1 1 0 1 1 1 0 1 1 1 0 1 1 1 1 0 1 1 1 0 1 1 1 0 1 1 1 0 1 1 1 0 1 1 1 0 1 1 1 0 1 1 1 0 1 1 1 0 1 1 1 0 1 1 1 0 1 1 1 1 0 1 1 1 1 0 1 1 1 1 0 1 1 1 1 1 0 1 1 1 1 0 1 1 1 1 1 1 0 1 1 1 1 1 1 1 1 1 1 1 1 1 | 1024 54822322 -444.839996 ± 0.0009 -444.839996 ± 0.0009 0 0 1 824746752 54822322 -444.839996 ± 0.0009 -444.839996 ± 0.0009 0 1 1 0 0 1024 54822322 -444.839996 ± 0.0009 -444.839996 ± 0.0009 1 1 0 0 1 1 1 0 0 1 1 1 0 0 1 1 1 1 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_MaxOffset_HwDeg_M_f32 | 1024 54822322 -444.839996 0 0 0 1 824746752 54822322 -444.839996 0 1 1 1 0 1024 54822322 -444.839996 0 1 1 1 0 1024 54822322 -444.839996 1 0 0 0 1 1 1 0 1 1 0 1 1 0 1 1 0 1 1 0 1 1 0 1 1 0 1 1 0 1 1 0 1 1 1 0 0 1 1 1 0 1 1 1 0 0 1 1 1 0 0 1 1 1 0 0 1 1 1 0 0 1 1 1 0 0 1 1 1 0 0 1 1 1 0 0 1 1 1 0 0 1 1 1 0 0 1 1 1 0 0 1 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 | 1024 54822322 -444.839996 ± 0.0009 -444.839996 ± 0.0009 0 0 1 824746752 54822322 -444.839996 ± 0.0009 0 1 1 0 0 1024 54822322 -444.839996 ± 0.0009 -444.839996 ± 0.0009 1 1 0 0 1024 54822322 -414.839996 ± 0.0009 -1 1 0 0 0 1 1 1 0 0 1 1 1 0 0 1 1 1 0 0 1 1 1 0 -1157.89404 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32 VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 1024 54822322 -444.839996 0 0 0 1 824746752 54822322 -444.839996 0 1 1 0 1024 54822322 -444.839996 0 1 1 0 1024 54822322 -444.839996 1 0 0 0 0 1 1 1 0 1 1 0 1 1 1 0 1 1 1 0 1 1 1 0 1 1 1 0 1 1 1 1 0 1 1 1 1 0 1 1 1 1 1 1 1 1 1 1 1 1 1 | 1024 54822322 -444.839996 ± 0.0009 -444.839996 ± 0.0009 0 0 1 824746752 54822322 -444.839996 ± 0.0009 -444.839996 ± 0.0009 0 1 1 0 0 1024 54822322 -444.839996 ± 0.0009 -444.839996 ± 0.0009 1 1 0 0 0 1 1 1 0 0 1 1 1 0 1 1 0 1 1 1 0 1 1 1 0 1 1 1 1 0 1 1 1 1 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | |

| T | | | | ✓ |
|----------------------------------------------------|-------|----------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |



| Fest Step 2.163 (Repeat Count = 1) | Input Value |
|---------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|
| OtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| GetSystemTime mS u32(CurrentTime) | target GetSystemTime mS u32 CurrentTime |
| Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| tte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 |
| ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 604.099976 |
| ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 116.099998 |
| ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 12.1000004 |
| ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 85.0999985 |
| ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 21364 |
| ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 22497 |
| ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 2967684784 |
| ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 2967684784 |
| hDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -480.880005 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000953999988 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -480.880005 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000953999988 |
| hDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| enDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 0 2.25 |
| enDyn_AutoCntrHiSpd_M_str.WitrVel_iNtrRadpS_f32 ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 106.699997 |
| enDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 2.25 |
| ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 96.8000031 |
| ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 7034 |
| ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 39056 |
| ehDyn AutoCntrHiSpd M str.Timer1 mS u32 | 2967684784 |
| ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 2967684784 |
| ehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32 | -480.880005 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000753999979 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -480.880005 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000500000024 |
| ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 2.20000005 |
| ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 146.199997 |
| ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 7.1999981 |
| ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 52.2000008 |
| ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 43190 |
| ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 3186 |
| ehDyn_AutoCntrloSpd_M_str.Timer1_mS_u32 | 2967684784 |
| ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 2967684784 |
| ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_UIs_f32 | -480.880005 7.50000036e-005 |
| enDyn_AutoCntrLoSpd_M_str.ReinwPosFilt1SV_nwDeg_str.N_Uis_i32 | -480.880005 |
| hDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.Sv_Uls_f32 | 0.000953999988 |
| hDyn AutoCntrLoSpd M str.Filter1Enable Cnt Igc | 0 |
| hDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| hDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| hDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| hDyn_ForceCenterEnabled_Cnt_M_lgc | 0 |
| hDyn_ForceCenterOffset_HwDeg_M_f32 | 1497.06995 |
| hDyn_HiSpdLearnt_Cnt_M_lgc | 0 |
| hDyn_Initialize_Cnt_M_lgc | 0 |
| hDyn_LoSpdLearnt_Cnt_M_lgc | 1 |
| nDyn_MaxOffset_HwDeg_M_f32 | 1162.88599 |
| nDyn_MinOffset_HwDeg_M_f32 | -376.39801 |
| ehDyn_PinTrqSV_M_str.SV_Uls_f32 | 8.89999962 |
| ehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000479999988 |
| ehDyn_SLPHwAuth_Uls_M_f32 | 0.31400001 |
| ehDyn_SLPHwPos_HwDeg_M_f32 | 42.1899986 |
| ehDyn_SrlHwAgVldTimer_mS_M_u32 | 3039943680 |
| _HiSpdVDAuthority_Uls_f32 | 0 |
| _HwTqMgnThd_HwNm_f32 | 6.32000017 |
| LoSpdVDAuthority_Uls_f32 | 0 |
| SrlHwAgVldTiThd_mS_u32 | 90 |
| | |



| Name | Input Value | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|
| k_SysKinRatio_MtrDegpHwDeg_f32 | 56.0999985 | | |
| k_TravelXCDeadband_Uls_f32 | 5.44000006 | | |
| k_TravelXCHwAuthority_Uls_f32 | 0.210174993 | | |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 309385728 | | |
| target_GetSystemTime_mS_u32_CurrentTime | 824746752 | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTi | 1736795392 | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime | | | |
| target_Rte_Inst_Ap_VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f3 | 2 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 | | |
| target Rte Inst Ap VehDyn.VehDyn Per1 HwTorque HwNm f32 | target VehDyn Per1 HwTorque HwNm f3 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRa | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_t | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target VehDyn Per1 SensorlessAuthority | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_H | _ | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f3: | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_Mtr | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc | target_VehDyn_Per1_VehicleSpeedValid_0 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph_f | | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -442.809998 | - | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 1087.94104 | | |
| target VehDyn Per1 HwTorque HwNm f32.value | 8.92000008 | | |
| target VehDyn Per1 MotorVelCRF MtrRadpS f32.value | -759.549988 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | -480.880005 | | |
| | 0 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32_value | 42.1899986 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | 7.9000001 | | |
| target VehDyn Per1 VehicleSpeedValid Cnt Igc.value | 0 | | |
| | 87 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | | 1 | |
| Name | Actual Value | Expected Value | Resul |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 | 1 | • |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 2967684784 | 2967684784 | • |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 2967684784 | 2967684784 | • |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -480.880005 | -480.880005 ± 0.0009 | • |
| | | | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -480.880005 | -480.880005 ± 0.0009 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 1 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 1 0 | 1 1 0 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 1 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 1 0 | 1 1 0 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 1 0 0 | 1 1 0 0 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 1 1 0 0 824746752 | 1 1 0 0 824746752 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 1 1 0 0 824746752 2967684784 | 1 1 0 0 824746752 2967684784 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1 1 0 0 824746752 2967684784 -480.880005 | 1 1 0 0 824746752 2967684784 -480.880005 ± 0.0009 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1 1 0 0 824746752 2967684784 -480.880005 -480.880005 | 1 1 0 0 824746752 2967684784 -480.880005 ± 0.0009 -480.880005 ± 0.0009 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1 1 0 0 824746752 2967684784 -480.880005 -480.880005 | 1 1 0 0 824746752 2967684784 -480.880005 ± 0.0009 0 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1 1 0 0 824746752 2967684784 -480.880005 -480.880005 0 | 1 1 0 0 824746752 2967684784 -480.880005 ± 0.0009 0 0 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 1 0 0 824746752 2967684784 -480.880005 -480.880005 0 | 1 1 0 0 824746752 2967684784 -480.880005 ± 0.0009 0 0 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 1 0 0 824746752 2967684784 -480.880005 -480.880005 0 0 | 1 1 0 0 824746752 2967684784 -480.880005 ± 0.0009 0 0 0 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 1 0 0 824746752 2967684784 -480.880005 -480.880005 0 0 | 1 1 0 0 824746752 2967684784 -480.880005 ± 0.0009 0 0 0 1 824746752 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 1 1 0 0 824746752 2967684784 -480.880005 -480.880005 0 0 1 1 824746752 2967684784 | 1 1 0 0 824746752 2967684784 -480.880005 ± 0.0009 -480.880005 ± 0.0009 0 0 1 1 824746752 2967684784 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1 1 0 0 824746752 2967684784 -480.880005 -480.880005 0 0 1 1 824746752 2967684784 -480.880005 | 1 1 0 0 824746752 2967684784 -480.880005 ± 0.0009 0 0 0 1 824746752 2967684784 -480.880005 ± 0.0009 | |
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| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32 | 1 1 0 0 0 824746752 2967684784 -480.880005 -480.880005 0 0 1 1 824746752 2967684784 -480.880005 -480.880005 0 1 1 1 0 0 1 1 1 1 1 1087.94104 | 1 1 0 0 824746752 2967684784 -480.880005 ± 0.0009 0 0 1 824746752 2967684784 -480.880005 ± 0.0009 0 1 1 1 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32 | 1 1 0 0 0 824746752 2967684784 -480.880005 -480.880005 0 0 1 824746752 2967684784 -480.880005 -480.880005 0 1 1 1 1 0 0 1 1 1 1 1087.94104 -442.809998 | 1 1 0 0 824746752 2967684784 -480.880005 ± 0.0009 0 0 1 824746752 2967684784 -480.880005 ± 0.0009 0 1 1 824746752 2967684784 -480.880005 ± 0.0009 0 1 1 1 0 0 1 1 1087.94104 -442.809998 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_Filtalized_Cnt_lgc VehDyn_Filtalized_Cnt_lgc VehDyn_Filtalized_Cnt_lgc | 1 1 0 0 0 824746752 2967684784 -480.880005 -480.880005 0 0 1 824746752 2967684784 -480.880005 -480.880005 0 1 1 1 1 0 0 1 1 1 1087.94104 -442.809998 8.90007687 | 1 1 0 0 824746752 2967684784 -480.880005 ± 0.0009 0 0 1 824746752 2967684784 -480.880005 ± 0.0009 0 1 1 824746752 2967684784 -480.880005 ± 0.0009 0 1 1 1 1 0 0 1 1 1 1087.94104 -442.809998 8.90007687 ± 0.000009 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32 | 1 1 0 0 0 824746752 2967684784 -480.880005 -480.880005 0 0 1 824746752 2967684784 -480.880005 -480.880005 0 1 1 1 1 0 0 1 1 1 1 1087.94104 -442.809998 | 1 1 0 0 824746752 2967684784 -480.880005 ± 0.0009 0 0 1 824746752 2967684784 -480.880005 ± 0.0009 0 1 1 824746752 2967684784 -480.880005 ± 0.0009 0 1 1 1 0 0 1 1 1087.94104 -442.809998 | |



| Τ | | | | ✓ |
|----------------------------------------------------|-------|----------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | • |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |

| est Step 2.164 (Repeat Count = 1) | Input Value |
|------------------------------------------------------------------|--------------------------------------------------------------------------|
| rmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| etSystemTime mS u32(CurrentTime) | target GetSystemTime mS u32 CurrentTime |
| , – – , | |
| e_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| e_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| e_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 0 |
| ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 554.200012 |
| ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 126.199997 |
| hDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 14.199998 |
| hDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 96.199969 |
| hDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 33198 |
| hDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 27074 |
| ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 3174948758 |
| ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 3174948758 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 710.950012 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000956000003 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 710.950012 |
| hDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000956000003 |
| ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 120.400002 |
| hDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 116.5 |
| hDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 4.4000001 |
| ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 32.25 |
| ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 25532 |
| ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 27401 |
| ehDyn AutoCntrHiSpd M str.Timer1 mS u32 | 3174948758 |
| ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 3174948758 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 710.950012 |
| hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000755999994 |
| ehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32 | 710.950012 |
| · - · · | 0.00503999996 |
| hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 1 |
| hDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| hDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | |
| ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 120.599998 |
| hDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 156.600006 |
| ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 13.6000004 |
| hDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 10.6000004 |
| ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 30404 |
| ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 30349 |
| ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 3174948758 |
| ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 3174948758 |
| ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 710.950012 |
| hDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 7.51999978e-005 |
| ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 710.950012 |
| hDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000956000003 |
| ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| ehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| ehDyn_ForceCenterEnabled_Cnt_M_lgc | 1 |
| ehDyn_ForceCenterOffset_HwDeg_M_f32 | 1596.97998 |
| ehDyn_HiSpdLearnt_Cnt_M_lgc | 0 |
|) | 0 |



| Name | Input Value | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|--------------------------------------------|----------|
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | | |
| VehDyn_MaxOffset_HwDeg_M_f32 | -1167.87805 | | |
| VehDyn_MinOffset_HwDeg_M_f32 | -369.713989 | | |
| VehDyn_PinTrqSV_M_str.SV_UIs_f32 | 13.8999996 | | |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000480999995 | | |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.294999987 | | |
| VehDyn_SLPHwPos_HwDeg_M_f32 VehDyn_SrlHwAgVldTimer_mS_M_u32 | 52.4500008 1316564736 | | |
| k_HiSpdVDAuthority_Uls_f32 | 1 | | |
| k_HwTqMgnThd_HwNm_f32 | 1 | | |
| k LoSpdVDAuthority Uls f32 | 1 | | |
| k_SrlHwAgVldTiThd_mS_u32 | 70 | | |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 54.0999985 | | |
| k_TravelXCDeadband_Uls_f32 | 4.40999985 | | |
| k_TravelXCHwAuthority_Uls_f32 | 0.211400002 | | |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 4164171008 | | |
| target_GetSystemTime_mS_u32_CurrentTime | 309385728 | | |
| $target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedT$ | 3437401088 | | |
| $target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime$ | 1316564736 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f3 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRad | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f3 | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_U | _ | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_Hv | vDeg_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_MtrN | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeedValid_C target_VehDyn_Per1_VehicleSpeed_Kph_f3 | | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -436.549988 | 0 2 | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 1082.37195 | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | 9.47999954 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | -835 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | 710.950012 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 0 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | 52.4500008 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | -1.79999995 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 1 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 127.450996 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 309385728 | 309385728 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 3174948758 | 3174948758 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 710.950012 | 710.950012 ± 0.0009 | • |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 710.950012 | 710.950012 ± 0.0009 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | · |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | * |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 3174948758 | 3174948758 | • |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 3174948758 | 3174948758 | ✓ |
| | 710.950012 710.950012 | 710.950012 ± 0.0009 710.950012 ± 0.0009 | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_Igc | 0 | 0 | |
| VehDyn AutoCntrLoSpd M str.Timer1 mS u32 | 309385728 | 309385728 | • |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 3174948758 | 3174948758 | _ |
| VehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32 | 710.950012 | 710.950012 ± 0.0009 | • |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 710.950012 | 710.950012 ± 0.0009 | - |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | - |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | - |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 | 0 | ✓ |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | ✓ |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | 1 | ✓ |
| VehDyn_MaxOffset_HwDeg_M_f32 | 1082.37195 | 1082.37195 | ✓ |
| VehDyn_MinOffset_HwDeg_M_f32 | -436.549988 | -436.549988 | ~ |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 13.8978577 | 13.8978577 ± 0.00009 | |
| | | | |



| Name | Actual Value | Expected Value | Result |
|------------------------------------------------------|--------------|-------------------|----------|
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 1316564736 | 1316564736 | ~ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 1 | 1 ± 0.004 | ~ |
| target VehDyn Per1 SensorlessHwPos HwDeg f32.value | -886.029968 | -886.030029 ± 0.1 | ✓ |

| Τ | | | | ✓ |
|----------------------------------------------------|-------|----------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ✓ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ✓ |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |

| ome | Innut Value |
|------------------------------------------------------------------|--------------------------------------------------------------------------|
| ame | Input Value |
| trmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| ttSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| e_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| e_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| e_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| hDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 |
| hDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 200.399994 |
| hDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 52.400015 |
| hDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 14.3999996 |
| hDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 63.4000015 |
| hDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 53970 |
| hDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 58869 |
| ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 1024 |
| hDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 54822322 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -714.090027 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000961999991 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -714.090027 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000961999991 |
| ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 159 |
| ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 68.3000031 |
| ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 16.7999992 |
| ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 86 |
| ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 12258 |
| ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 36416 |
| ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 1024 |
| ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 54822322 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -714.090027 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000761999981 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -714.090027 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000515999971 |
| ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_Igc | 0 |
| hDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 412.700012 |
| hDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 106.699997 |
| hDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 10.699998 |
| ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 12.6999998 |
| ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 13352 |
| hDyn_AutoCntrLoSpd_M_str.TimerTTrilesn_mS_u16 | 14442 |
| hDyn_AutoCntrLoSpd_M_str.Timer2Trilesri_mS_u16 | 1024 |
| · - · · | |
| ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 54822322 |
| hDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -714.090027 7.59000034a.005 |
| ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 7.58000024e-005 |
| ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -714.090027 |
| ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000961999991 |
| ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| ehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 0 |
| | |



| | | | 0 |
|----------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----------------------------------|--------|
| Name | Input Value | | |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 1 | | |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | -1500.22998 | | |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 | | |
| VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt Cnt_M_lgc | 1 | | |
| VehDyn MaxOffset HwDeg M f32 | 1172.87 | | |
| VehDyn MinOffset HwDeg M f32 | -363.029999 | | |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 1.5 | | |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000483999989 | | |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.275999993 | | |
| VehDyn_SLPHwPos_HwDeg_M_f32 | 62.7099991 | | |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 185613824 | | |
| k_HiSpdVDAuthority_Uls_f32 | 0 | | |
| k_HwTqMgnThd_HwNm_f32 | 1.5 | | |
| k_LoSpdVDAuthority_UIs_f32 | 0.899999976 | | |
| k_SrlHwAgVldTiThd_mS_u32 | 456 | | |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 63.3199997 | | |
| k_TravelXCDeadband_Uls_f32 k TravelXCHwAuthority Uls f32 | 3.38000011 0.212624997 | | |
| target DtrmnElapsedTime mS u32 ElapsedTime | 3304439296 | | |
| target_GetSystemTime_mS_u32_CurrentTime | 824746752 | | |
| target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedT | | | |
| target Rte Call Ap VehDyn SystemTime GetSystemTime mS u32 CurrentTime | | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f32 | 2 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRad | pS_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f3 | 2 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_L | Jls_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_Hw | vDeg_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_MtrN | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeedValid_Cr target_VehDyn_Per1_VehicleSpeed_Kph_f3 | | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -430.290009 | 2 | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 1076.80298 | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | -1.11000001 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | -456 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | -714.090027 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 1 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | 62.7099991 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | -4.5999999 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 0 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 230 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 1024 | 1024 | • |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 54822322 -714.090027 | 54822322 -714.090027 ± 0.0009 | |
| VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32 | -714.090027 -714.090027 | -714.090027 ± 0.0009 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | |
| VehDyn AutoCntrDetSpd M str.Filter1Initialized Cnt Igc | 0 | 0 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 824746752 | 824746752 | • |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 54822322 | 54822322 | • |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -714.090027 | -714.090027 ± 0.0009 | • |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -714.090027 | -714.090027 ± 0.0009 | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_Igc | 1 | 1 | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_Igc | 0 | 0 | • |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 824746752 54822322 | 824746752 54822322 | |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 | 54822322 -714.090027 | 54822322 -714.090027 ± 0.0009 | |
| VehDyn_AutoCntrLoSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.SV_Uis_f32 VehDyn_AutoCntrLoSpd_M_str.ReiHwPosFilt2SV_HwDeg_str.SV_Uis_f32 | -714.090027 -714.090027 | -714.090027 ± 0.0009 | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | • |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 | 1 | • |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | • |
| | | | |



| Name | Actual Value | Expected Value | Result |
|------------------------------------------------------|--------------|-----------------------|----------|
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | 1 | ✓ |
| VehDyn_MaxOffset_HwDeg_M_f32 | 1172.87 | 1172.87 | ~ |
| VehDyn_MinOffset_HwDeg_M_f32 | 283.800018 | 283.799988 | ✓ |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 1.49870157 | 1.49870157 ± 0.000009 | ✓ |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 185613824 | 185613824 | ✓ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 1 | 1 ± 0.004 | ✓ |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | 786.139954 | 786.140015 ± 0.1 | ✓ |

| Т | | | | ✓ |
|-------------------------------------------------------|-------|-------------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |

| lame | Input Value |
|---------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|
| htmnElapsedTime mS u32(ElapsedTime) | target DtrmnElapsedTime mS u32 ElapsedTime |
| SetSystemTime mS u32(CurrentTime) | target GetSystemTime mS u32 CurrentTime |
| tte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| tte Call Ap VehDyn SystemTime GetSystemTime mS u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| tte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| /ehDyn AllowHiSpdAutoCntr Cnt M Igc | 0 |
| ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 554.099976 |
| ehDyn_AutoCntrDetSpd_M_str.NetVer_MitrRaupS_132 /ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 84.099985 |
| | 4.099999 |
| ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 52.099985 |
| ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | |
| /ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 2291 7778 |
| ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | |
| ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 4004004656 |
| ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 4211268631 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 110.5 |
| /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000958000019 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 110.5 |
| /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000958000019 |
| ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| /ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 456 |
| ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 35.7999992 |
| ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 14.3999996 |
| ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 75.4499969 |
| ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 33198 |
| ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 7778 |
| ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 4004004656 |
| ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 4211268631 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 110.5 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000758000009 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 110.5 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000508000026 |
| ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 456.799988 |
| ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 86.8000031 |
| ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 6.80000019 |
| ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 86.8000031 |
| ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 5235 |
| /ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 27074 |
| ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 4004004656 |
| ehDyn AutoCntrLoSpd M str.Timer2 mS u32 | 4211268631 |
| ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 110.5 |
| /ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 7.53999993e-005 |
| ehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32 | 110.5 |
| /ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000958000019 |



| Name | Input Value | | |
|------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----------------------------------|----------|
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_ForceCenterEnabled_Cnt_M_lgc | 1 | | |
| VehDyn ForceCenterCffset HwDeq M f32 | -1400.31995 | | |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 | | |
| VehDyn_Initialize_Cnt_M_lgc | 1 | | |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 | | |
| VehDyn_MaxOffset_HwDeg_M_f32 | 1177.86206 | | |
| VehDyn_MinOffset_HwDeg_M_f32 VehDyn_PinTrqSV_M_str.SV_UIs_f32 | -369.75 -5.4000001 | | |
| VehDyn_PinTrqSV_M_str.K_UIs_f32 | 0.000482000003 | | |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.256999999 | | |
| VehDyn_SLPHwPos_HwDeg_M_f32 | 72.9700012 | | |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 2085618048 | | |
| k_HiSpdVDAuthority_Uls_f32 | 0 | | |
| k_HwTqMgnThd_HwNm_f32 | 9.19999981 | | |
| k_LoSpdVDAuthority_Uls_f32 k_SrlHwAgVldTiThd_mS_u32 | 3229 | | |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 54.2999992 | | |
| k_TravelXCDeadband_Uls_f32 | 2.3499999 | | |
| k_TravelXCHwAuthority_Uls_f32 | 0.213850006 | | |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 437658624 | | |
| target_GetSystemTime_mS_u32_CurrentTime | 954802432 | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedT target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime | | | |
| target Rte Inst Ap VehDyn.VehDyn Per1 CcwEOT HwDeg f32 | target VehDyn Per1 CcwEOT HwDeg f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRad | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f3: | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessAuthority_U target_VehDyn_Per1_SensorlessHwPos_Hw | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc | Deg_132 | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_MtrN | m_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc | target_VehDyn_Per1_VehicleSpeedValid_Cr | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph_f3: | 2 | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value | -424.029999 1071.23401 | | |
| target VehDyn Per1 HwTorque HwNm f32.value | -1.22000003 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | -835.109985 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | 110.5 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 1 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | 72.9700012 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 1.29999995 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 499.220001 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 4004004656 | 4004004656 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 4211268631 | 4211268631 | V |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 110.5 110.5 | 110.5 ± 0.0009 110.5 ± 0.0009 | V |
| VehDyn AutoCntrDetSpd M str.Filter1Enable Cnt Igc | 0 | 0 | - |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | Ō | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 4004004656 | 4004004656 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 4211268631 | 4211268631 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 | 110.5 110.5 | 110.5 ± 0.0009 110.5 ± 0.0009 | |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | V |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCatrl oSpd_M_str.Timer1_mS_u32 | 4004004656 | 4004004656 | V |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 4211268631 110.5 | 4211268631 110.5 ± 0.0009 | ~ |
| VehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32 | 110.5 | 110.5 ± 0.0009 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ~ |



| Name | Actual Value | Expected Value | Result |
|-------------------------------------------------------|--------------|------------------------|----------|
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 | 1 | ✓ |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | ✓ |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 | 0 | ✓ |
| VehDyn_MaxOffset_HwDeg_M_f32 | 960.734009 | 960.734009 | ✓ |
| VehDyn_MinOffset_HwDeg_M_f32 | -369.75 | -369.75 | ✓ |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | -5.39797401 | -5.39797354 ± 0.000009 | ✓ |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 2085618048 | 2085618048 | ✓ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 1 | 1 ± 0.004 | ~ |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | 1510.81995 | 1510.81995 ± 0.1 | ✓ |

| T | | | | ✓ |
|-------------------------------------------------------|-------|-------------------------------------------------------|-------|--------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32 | 1 | ~ |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |

| Name | Input Value |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|
| | |
| OtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| GetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| /ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 |
| /ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 600.200012 |
| /ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 64.199969 |
| ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 16.2000008 |
| ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 41.2000008 |
| ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 38868 |
| ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 38708 |
| ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 4211268631 |
| ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 2160073393 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1014.73999 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000959999976 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1014.73999 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000959999976 |
| ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 566.799988 |
| ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 75.5 |
| ehDyn AutoCntrHiSpd M str.FiltPinTrg HwNm f32 | 18.7999992 |
| ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 97 |
| ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 21335 |
| ehDyn AutoCntrHiSpd M str.Timer2Thresh mS u16 | 34188 |
| /ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 4211268631 |
| /ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 2160073393 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1014.73999 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000760000024 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1014.73999 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000511999999 |
| ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| | 0 |
| ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | |
| ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 566.900024 |
| ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 96.9000015 |
| ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 8.8999962 |
| ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 42.9000015 |
| ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 53759 |
| ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 18715 |
| ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 4211268631 |
| ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 2160073393 |
| ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1014.73999 |
| ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 7.56000009e-005 |
| /ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1014.73999 |
| /ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000959999976 |





| Name | Actual Value | Expected Value | Result |
|-------------------------------------------------------|--------------|-----------------------|----------|
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 | 0 | ✓ |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | ✓ |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | 1 | ✓ |
| VehDyn_MaxOffset_HwDeg_M_f32 | 1065.66504 | 1065.66504 | ✓ |
| VehDyn_MinOffset_HwDeg_M_f32 | -417.769989 | -417.769989 | ✓ |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 7.59575272 | 7.59575272 ± 0.000009 | ✓ |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 270987008 | 270987008 | ✓ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 1 | 1 ± 0.004 | ~ |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | 285.670044 | 285.670013 ± 0.1 | ✓ |

| T | | | | ✓ |
|-------------------------------------------------------|-------|-------------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | • |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | • |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |

| lame | Input Value |
|-----------------------------------------------------------------------|--------------------------------------------------------------------------|
| | • |
| trmnElapsedTime_mS_u32(ElapsedTime) ietSystemTime mS u32(CurrentTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| , = = \ , | target_GetSystemTime_mS_u32_CurrentTime |
| tte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| tte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| tte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 0 |
| ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 200.300003 |
| ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 52.2999992 |
| ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 14.3000002 |
| ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 63.2999992 |
| ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 53970 |
| ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 58869 |
| ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 1024 |
| ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 54822322 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -284.299988 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000961999991 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -284.299988 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000961999991 |
| ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 159 |
| ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 68.5 |
| ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 16.7999992 |
| ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 86.9000015 |
| ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 12258 |
| ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 36416 |
| ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 1024 |
| ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 54822322 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -284.299988 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000761999981 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -284.299988 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000515999971 |
| ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 412.5 |
| ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 106.5 |
| ehDyn AutoCntrLoSpd M str.FiltPinTrg HwNm f32 | 10.5 |
| ehDyn AutoCntrLoSpd M str.CntrWindow HwDeg f32 | 12.5 |
| ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 13352 |
| ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 14442 |
| ehDyn AutoCntrLoSpd M str.Timer1 mS u32 | 1024 |
| ehDyn AutoCntrLoSpd M str.Timer2 mS u32 | 54822322 |



| | | (= # : = 1(| D-10 | |
|---------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|---------------------------------------|-------|--|
| Name | Input Value | | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -284.299988 | | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 7.58000024e-005 | | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -284.299988 | | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000961999991 | | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 | | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 | | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | | | |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 0 | | | |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | -1200.5 | | | |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 | | | |
| VehDyn_Initialize_Cnt_M_lgc | 0 | | | |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 | | | |
| VehDyn_MaxOffset_HwDeg_M_f32 | 1187.84595 | | | |
| VehDyn_MinOffset_HwDeg_M_f32 | -383.190002 | | | |
| VehDyn_PinTrqSV_M_str.SV_UIs_f32 | 1.5 | | | |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000483999989 | | | |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.218999997 | | | |
| VehDyn_SLPHwPos_HwDeg_M_f32 | 93.4899979 | | | |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 333 | | | |
| k_HiSpdVDAuthority_UIs_f32 | 1 10000003 | | | |
| k_HwTqMgnThd_HwNm_f32 | 1.10000002 | | | |
| k_LoSpdVDAuthority_UIs_f32 | 1 | | | |
| k_SrlHwAgVIdTiThd_mS_u32 | 16445 | | | |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 63.2000008 2.8900001 | | | |
| k_TravelXCDeadband_Uls_f32 | | | | |
| k_TraveIXCHwAuthority_UIs_f32 | 0.216299996 | | | |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 3304439296 | | | |
| target_GetSystemTime_mS_u32_CurrentTime | 824746752 | | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedT | | | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime | | | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 | | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_HwTorque_HwNm_f32 target_VehDyn_Per1_MotorVelCRF_MtrRad | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | | target_VehDyn_Per1_RelHwPos_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessAuthority_Uls_f32 target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc | target VehDyn Per1 SrlHwAgVld Cnt Igc | 750g_132 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 | | | |
| target Rte Inst Ap VehDyn.VehDyn Per1 TorqueCmdCRF MtrNm f32 | target_VehDyn_Per1_TorqueCmdCRF_MtrN | lm f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc | target_VehDyn_Per1_VehicleSpeedValid_Ci | | | |
| target Rte Inst Ap VehDyn.VehDyn Per1 VehicleSpeed Kph f32 | target_VehDyn_Per1_VehicleSpeed_Kph_f3 | | | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -411.51001 | | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 1060.09595 | | | |
| target VehDyn Per1 HwTorque HwNm f32.value | -1.4400006 | | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | -456 | | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | -284.299988 | | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 0 | | | |
| target VehDyn Per1 SrlHwAg HwDeg f32.value | 93.4899979 | | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | -4.5999999 | | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 0 | | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 230 | | | |
| Name | Actual Value | Expected Value | Resul | |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 0 | 0 | • | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 1024 | 1024 | | |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 54822322 | 54822322 | ٠, | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -284.299988 | -284.299988 ± 0.0009 | | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -284.299988 | -284.299988 ± 0.0009 | ٠, | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ٠, | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | • | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | • | |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 1024 | 1024 | • | |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 54822322 | 54822322 | • | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -284.299988 | -284.299988 ± 0.0009 | • | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -284.299988 | -284.299988 ± 0.0009 | ٠, | |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | | |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ٠, | |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | | |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | • | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 1024 | 1024 | • | |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 54822322 | 54822322 | • | |
| | | | | |



| Name | Actual Value | Expected Value | Result |
|-----------------------------------------------------------------|--------------|-----------------------|----------|
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -284.299988 | -284.299988 ± 0.0009 | • |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -284.299988 | -284.299988 ± 0.0009 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | • |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 | 1 | • |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 | 0 | ~ |
| VehDyn_MaxOffset_HwDeg_M_f32 | 1060.09595 | 1060.09595 | ~ |
| VehDyn_MinOffset_HwDeg_M_f32 | -411.51001 | -411.51001 | ✓ |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 1.49854183 | 1.49854183 ± 0.000009 | ~ |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 333 | 333 | • |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 0.218999997 | 0.218999997 ± 0.004 | • |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | -190.809998 | -190.809998 ± 0.1 | ~ |

| T | | | | |
|----------------------------------------------------|-------|----------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | ~ |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | - |

| lame | Input Value |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|
| htmnElapsedTime mS u32(ElapsedTime) | target DtrmnElapsedTime mS u32 ElapsedTime |
| SetSystemTime mS u32(CurrentTime) | target GetSystemTime mS u32 CurrentTime |
| tte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedTime |
| tte Call Ap VehDyn SystemTime GetSystemTime mS u32(CurrentTime) | target Rte Call Ap VehDyn SystemTime GetSystemTime mS u32 CurrentTime |
| tte Inst Ap VehDyn | target Rte Inst Ap VehDyn |
| 'ehDyn AllowHiSpdAutoCntr Cnt M Igc | 1 |
| ehDyn AutoCntrDetSpd M str.MtrVel MtrRadpS f32 | 457.100006 |
| /ehDyn AutoCntrDetSpd M str.VehSpd kph f32 | 34.099985 |
| ehDyn AutoCntrDetSpd M str.FiltPinTrg HwNm f32 | 12.1000004 |
| ehDyn AutoCntrDetSpd M str.CntrWindow HwDeg f32 | 88.099985 |
| ehDyn AutoCntrDetSpd M str.Timer1Thresh mS u16 | 20423 |
| ehDyn AutoCntrDetSpd M str.Timer2Thresh mS u16 | 18715 |
| ehDyn AutoCntrDetSpd M str.Timer1 mS u32 | 54822322 |
| /ehDyn AutoCntrDetSpd M str.Timer2 mS u32 | 1024 |
| /ehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32 | 1259.78003 |
| /ehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32 | 0.000964000006 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1259.78003 |
| ehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32 | 0.000964000006 |
| ehDyn AutoCntrDetSpd M str.Filter1Enable Cnt lgc | 1 |
| ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| ehDyn AutoCntrDetSpd M str.Filter2Initialized Cnt Igc | 0 |
| ehDyn AutoCntrHiSpd M str.MtrVel MtrRadpS f32 | 10.1000004 |
| ehDyn AutoCntrHiSpd M str.VehSpd kph f32 | 45.7999992 |
| ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 18.3999996 |
| ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 42.2999992 |
| ehDyn AutoCntrHiSpd M str.Timer1Thresh mS u16 | 29076 |
| /ehDyn AutoCntrHiSpd M str.Timer2Thresh mS u16 | 43868 |
| ehDyn AutoCntrHiSpd M str.Timer1 mS u32 | 54822322 |
| ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 1024 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1259.78003 |
| /ehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32 | 0.000763999997 |
| ehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32 | 1259.78003 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000520000001 |
| ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| ehDyn AutoCntrHiSpd M str.Filter2Initialized Cnt Igc | 1 |
| ehDyn AutoCntrLoSpd M str.MtrVel MtrRadpS f32 | 10.6000004 |
| ehDyn AutoCntrLoSpd M str.VehSpd kph f32 | 116.599998 |
| ehDyn AutoCntrLoSpd M str.FiltPinTrg HwNm f32 | 12.6000004 |
| ehDyn AutoCntrLoSpd M str.CntrWindow HwDeg f32 | 53.599985 |
| ehDyn AutoCntrLoSpd M str.Timer1Thresh mS u16 | 21364 |
| /ehDyn AutoCntrLoSpd M str.Timer2Thresh mS u16 | 52716 |
| 'ehDyn AutoCntrLoSpd M str.Timer1 mS u32 | 54822322 |
| /ehDyn AutoCntrLoSpd M str.Timer2 mS u32 | 1024 |



| | | (WAC) | |
|--------------------------------------------------------------------------------------|------------------------------------------|---------------------|-------|
| Name | Input Value | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1259.78003 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 7.59999966e-005 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1259.78003 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000964000006 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | | |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 1 | | |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | -1100.58997 | | |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 | | |
| VehDyn_Initialize_Cnt_M_lgc | 1 | | |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | | |
| VehDyn_MaxOffset_HwDeg_M_f32 | -1192.83801 | | |
| VehDyn_MinOffset_HwDeg_M_f32 | -389.910004 | | |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | -1.60000002 | | |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000484999997 | | |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.200000003 | | |
| VehDyn_SLPHwPos_HwDeg_M_f32 | 103.75 | | |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 12 | | |
| k_HiSpdVDAuthority_Uls_f32 | 1 | | |
| k_HwTqMgnThd_HwNm_f32 | 1.20000005 | | |
| k_LoSpdVDAuthority_Uls_f32 | 0 | | |
| k_SrlHwAgVldTiThd_mS_u32 | 32 | | |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 88.8000031 | | |
| k_TravelXCDeadband_Uls_f32 | 4.46000004 | | |
| k_TravelXCHwAuthority_Uls_f32 | 0.217525005 | | |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 2167769344 | | |
| target_GetSystemTime_mS_u32_CurrentTime | 309385728 | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedT | | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRad | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f3. | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_U | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_Hw | Deg_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_MtrN | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc | target_VehDyn_Per1_VehicleSpeedValid_Cr | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph_f3 | 2 | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -405.25 | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 1054.52698 | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | -1.54999995 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | 987.5 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | 1259.78003 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 1 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | 103.75 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | -4.9000001 1 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 245.641006 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | | From a start Malica | n |
| Name | Actual Value | Expected Value | Resul |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 | 1 | , |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 54822322 | 54822322 | • |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 1024 | 1024 | • |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1259.78003 | 1259.78003 ± 0.009 | • |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1259.78003 | 1259.78003 ± 0.009 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 309385728 | 309385728 | |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 1024 | 1024 | • |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1259.78003 | 1259.78003 ± 0.009 | • |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1259.78003 | 1259.78003 ± 0.009 | ` |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ` |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 309385728 | 309385728 | • |
| | 1024 | 1024 | |



| Name | Actual Value | Expected Value | Result |
|-----------------------------------------------------------------|--------------|------------------------|----------|
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1259.78003 | 1259.78003 ± 0.009 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1259.78003 | 1259.78003 ± 0.009 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 | 0 | ✓ |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | 1 | ✓ |
| VehDyn_MaxOffset_HwDeg_M_f32 | -1192.83801 | -1192.83801 | ~ |
| VehDyn_MinOffset_HwDeg_M_f32 | -389.910004 | -389.910004 | ✓ |
| VehDyn_PinTrqSV_M_str.SV_UIs_f32 | -1.60000253 | -1.60000253 ± 0.000009 | ~ |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 12 | 12 | ✓ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 1 | 1 ± 0.004 | ~ |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | 1600 | 1600 ± 0.1 | ✓ |

| Т | | | | ✓ |
|----------------------------------------------------|-------|----------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | • |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | • |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ✓ |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |

| Name | Input Value |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|
| OtrmnElapsedTime mS u32(ElapsedTime) | target DtrmnElapsedTime mS u32 ElapsedTime |
| GetSystemTime mS u32(CurrentTime) | target GetSystemTime mS u32 CurrentTime |
| Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32(ElapsedTime) | target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedTime |
| Rte Call Ap VehDyn SystemTime GetSystemTime mS u32(CurrentTime) | target Rte Call Ap VehDyn SystemTime GetSystemTime mS u32 CurrentTime |
| Rte Inst Ap VehDyn | target Rte Inst Ap VehDyn |
| /ehDyn AllowHiSpdAutoCntr Cnt M Igc | 1 |
| /ehDyn AutoCntrDetSpd M str.MtrVel MtrRadpS f32 | 9.19999981 |
| /ehDyn AutoCntrDetSpd M str.VehSpd kph f32 | 18.2000008 |
| /ehDyn AutoCntrDetSpd M str.FiltPinTrg HwNm f32 | 10.1999998 |
| /ehDyn AutoCntrDetSpd M str.CntrWindow HwDeg f32 | 75.1999969 |
| /ehDyn AutoCntrDetSpd M str.Timer1Thresh mS u16 | 7034 |
| /ehDyn AutoCntrDetSpd M str.Timer2Thresh mS u16 | 36416 |
| /ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 109643620 |
| /ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 4290967295 |
| /ehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32 | 1226.09998 |
| /ehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32 | 0.000966000021 |
| /ehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32 | 1226.09998 |
| /ehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32 | 0.000966000021 |
| /ehDyn AutoCntrDetSpd M str.Filter1Enable Cnt lgc | 0 |
| /ehDyn AutoCntrDetSpd M str.Filter2Enable Cnt lgc | 0 |
| /ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| /ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| /ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 56.7000008 |
| /ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 96.8000031 |
| /ehDyn AutoCntrHiSpd M str.FiltPinTrg HwNm f32 | 8.80000019 |
| /ehDyn AutoCntrHiSpd M str.CntrWindow HwDeg f32 | 12.6000004 |
| /ehDyn AutoCntrHiSpd M str.Timer1Thresh mS u16 | 32821 |
| /ehDyn AutoCntrHiSpd M str.Timer2Thresh mS u16 | 53946 |
| /ehDyn AutoCntrHiSpd M str.Timer1 mS u32 | 109643620 |
| /ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 4290967295 |
| /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1226.09998 |
| /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000766000012 |
| /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1226.09998 |
| /ehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32 | 0.000523999974 |
| /ehDyn AutoCntrHiSpd M str.Filter1Enable Cnt lgc | 0 |
| /ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| /ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| /ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| /ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 56.5 |
| /ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 126.5 |
| /ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 14.5 |
| /ehDyn AutoCntrLoSpd M str.CntrWindow HwDeg f32 | 86.5 |



| Name | Input Value | | |
|---------------------------------------------------------------------|--------------------------------------|--------------------|-------|
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 33198 | | |
| VehDyn AutoCntrLoSpd M str.Timer2Thresh mS u16 | 7778 | | |
| VehDyn AutoCntrLoSpd M str.Timer1 mS u32 | 109643620 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 4290967295 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 | 1226.09998 | | |
| VehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32 | 7.61999981e-005 | | |
| VehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32 | 1226.09998 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000966000021 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | | |
| VehDyn AutoCntrLoSpd M str.Filter2Initialized Cnt Igc | 0 | | |
| 7 - 7 | 0 | | |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | | | |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | -1000.67999 | | |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 | | |
| VehDyn_Initialize_Cnt_M_lgc | 1 | | |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | | |
| VehDyn_MaxOffset_HwDeg_M_f32 | 1197.82996 | | |
| VehDyn_MinOffset_HwDeg_M_f32 | -396.630005 | | |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | -14.8000002 | | |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000486000004 | | |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.180999994 | | |
| VehDyn_SLPHwPos_HwDeg_M_f32 | 114.010002 | | |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 142869376 | | |
| k_HiSpdVDAuthority_UIs_f32 | 0 | | |
| k_HwTqMgnThd_HwNm_f32 | 6.5 | | |
| k_LoSpdVDAuthority_UIs_f32 | 1 | | |
| k_SrlHwAgVldTiThd_mS_u32 | 4891 | | |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 96.1999969 | | |
| k_TravelXCDeadband_Uls_f32 | 6.03000021 | | |
| k_TravelXCHwAuthority_Uls_f32 | 0.21875 | | |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 3714197504 | | |
| target_GetSystemTime_mS_u32_CurrentTime | 4164171008 | | |
| target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 Elapse | edTi 4243378688 | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTi | | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_ | f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_Mtr | | |
| target Rte Inst Ap VehDyn.VehDyn Per1 RelHwPos HwDeg f32 | target_VehDyn_Per1_RelHwPos_HwDe | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthori | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target VehDyn Per1 SensorlessHwPos | | |
| | · · · · · - | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAgVld_Cnt_Igc | target_VehDyn_Per1_SrlHwAgVld_Cnt_l | • | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_ | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_I | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc | target_VehDyn_Per1_VehicleSpeedValid | 0 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kpl | h_t32 | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -398.98999 | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 1048.95801 | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | -1.65999997 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | 1023.04999 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | 1226.09998 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 1 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | 114.010002 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | -1.89999998 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 0 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 387 | | |
| Name | Actual Value | Expected Value | Resul |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 | 1 | |
| VehDyn AutoCntrDetSpd M str.Timer1 mS u32 | 109643620 | 109643620 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 4290967295 | 4290967295 | |
| VehDyn AutoCntrDetSpd_M_str.RelHwPosFilt1SV HwDeg str.SV Uls f32 | 1226.09998 | 1226.09998 ± 0.009 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1226.09998 | 1226.09998 ± 0.009 | |
| | | | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 4164171008 | 4164171008 | • |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 4290967295 | 4290967295 | • |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1226.09998 | 1226.09998 ± 0.009 | • |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1226.09998 | 1226.09998 ± 0.009 | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | • |
| | | | |



| Name | Actual Value | Expected Value | Result |
|-----------------------------------------------------------------|--------------|-----------------------|----------|
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 109643620 | 109643620 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 4290967295 | 4290967295 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1226.09998 | 1226.09998 ± 0.009 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1226.09998 | 1226.09998 ± 0.009 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_MaxOffset_HwDeg_M_f32 | -177.141968 | -177.141998 | ~ |
| VehDyn_MinOffset_HwDeg_M_f32 | -396.630005 | -396.630005 | ~ |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | -14.7936239 | -14.7936239 ± 0.00009 | ~ |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 142869376 | 142869376 | ~ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 1 | 1 ± 0.004 | ~ |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | 114.010002 | 114.010002 ± 0.1 | ~ |

| Τ | | | | V |
|-------------------------------------------------------|-------|-------------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |

| lame | Input Value |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|
| htmnElapsedTime mS u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| SetSystemTime mS u32(CurrentTime) | target GetSystemTime mS u32 CurrentTime |
| tte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32(ElapsedTime) | target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedTime |
| tte Call Ap VehDyn SystemTime GetSystemTime mS u32(CurrentTime) | target Rte Call Ap VehDyn SystemTime GetSystemTime mS u32 CurrentTime |
| tte Inst Ap VehDyn | target Rte Inst Ap VehDyn |
| /ehDyn AllowHiSpdAutoCntr Cnt M Igc | 1 |
| ehDyn AutoCntrDetSpd M str.MtrVel MtrRadpS f32 | 533.299988 |
| /ehDyn AutoCntrDetSpd M str.VehSpd kph f32 | 88.300031 |
| ehDyn AutoCntrDetSpd M str.FiltPinTrg HwNm f32 | 2.29999995 |
| ehDyn AutoCntrDetSpd M str.CntrWindow HwDeg f32 | 10.3000002 |
| ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 25532 |
| ehDyn AutoCntrDetSpd M str.Timer2Thresh mS u16 | 36612 |
| ehDyn AutoCntrDetSpd M str.Timer1 mS u32 | 164464918 |
| ehDyn AutoCntrDetSpd M str.Timer2 mS u32 | 1078320779 |
| ehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32 | 934.299988 |
| ehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32 | 0.000967999978 |
| ehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32 | 934.299988 |
| ehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32 | 0.000967999978 |
| ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 86.4400024 |
| ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 129 |
| ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 4.44000006 |
| ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 53.7999992 |
| ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 40437 |
| ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 13059 |
| ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 164464918 |
| ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 1078320779 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 934.299988 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000768000027 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 934.299988 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000528000004 |
| ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | f. |
| ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 86.3000031 |
| ehDyn AutoCntrLoSpd M str.VehSpd kph f32 | 136.300003 |



| | | | • |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|---------------------|------|
| Name | Input Value | | |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 16.2999992 | | |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 96.3000031 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 21335 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 34188 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 164464918 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 1078320779 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 934.299988 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 7.63999997e-005 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 934.299988 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000967999978 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | | |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 0 | | |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | -900.77002 0 | | |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 | | |
| VehDyn_Initialize_Cnt_M_lgc | 0 | | |
| VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn MaxOffset HwDeg M f32 | 1202.82202 | | |
| , | -403.350006 | | |
| VehDyn_MinOffset_HwDeg_M_f32 VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 17.7999992 | | |
| VehDyn PinTrqSV M str.K Uls f32 | 0.000487000012 | | |
| VehDyn SLPHwAuth Uls M f32 | 0.162 | | |
| VehDyn_SLPHwPos_HwDeg_M_f32 | 124.269997 | | |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 2075080192 | | |
| k_HiSpdVDAuthority_UIs_f32 | 1 | | |
| k HwTqMgnThd HwNm f32 | 0.00120000006 | | |
| k_LoSpdVDAuthority_Uls_f32 | 0 | | |
| k_SrlHwAgVldTiThd_mS_u32 | 91986 | | |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 32.4000015 | | |
| k_TravelXCDeadband_Uls_f32 | 7.5999999 | | |
| k_TravelXCHwAuthority_Uls_f32 | 0.219974995 | | |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 3323480832 | | |
| target_GetSystemTime_mS_u32_CurrentTime | 437658624 | | |
| $target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_Elapsed$ | 1Ti 1050692864 | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ | ne 2075080192 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f3 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f3 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRa | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_ | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_H | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAgVld_Cnt_Igc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f3: | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_Mtr | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc | target_VehDyn_Per1_VehicleSpeedValid_0 target_VehDyn_Per1_VehicleSpeed_Kph_f | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -392.730011 | 32 | |
| target VehDyn Per1 CwEOT HwDeg f32.value | 1043.38904 | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | -1.76999998 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | -147.365005 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | 934.299988 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 0 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | 124.269997 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | 8.19999981 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 1 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 398.85199 | | |
| Name | Actual Value | Expected Value | Resi |
| VehDyn AllowHiSpdAutoCntr Cnt M Igc | 1 | 1 | |
| VehDyn AutoCntrDetSpd M str.Timer1 mS u32 | 164464918 | 164464918 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 1078320779 | 1078320779 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 934.299988 | 934.299988 ± 0.0009 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 934.299988 | 934.299988 ± 0.0009 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 437658624 | 437658624 | |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 1078320779 | 1078320779 | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 934.299988 | 934.299988 ± 0.0009 | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 934.299988 | 934.299988 ± 0.0009 | |
| | | | |



| Name | Actual Value | Expected Value | Result |
|-----------------------------------------------------------------|--------------|----------------------|----------|
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 437658624 | 437658624 | • |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 1078320779 | 1078320779 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 934.299988 | 934.299988 ± 0.0009 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 934.299988 | 934.299988 ± 0.0009 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 | 1 | • |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 | 0 | ✓ |
| VehDyn_MaxOffset_HwDeg_M_f32 | 1043.38904 | 1043.38904 | • |
| VehDyn_MinOffset_HwDeg_M_f32 | -392.730011 | -392.730011 | ✓ |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 17.7905922 | 17.7905922 ± 0.00009 | ~ |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 2075080192 | 2075080192 | • |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 1 | 1 ± 0.004 | • |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | 0 | 0 ± 0.1 | ~ |

| Т | | | | ✓ |
|----------------------------------------------------|-------|----------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | • |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | • |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | • |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | - |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |

| Test Step 2.172 (Repeat Count = 1) | |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|
| Name | Input Value |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| GetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 570.099976 |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 76.0999985 |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 4.0999999 |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 25.1000004 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 49475 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 22037 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 219286216 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 2138628886 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1187.09998 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000969999994 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1187.09998 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000969999994 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 75.8000031 |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 88.599985 |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 16.7000008 |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 86.5999985 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 2291 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 58929 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 219286216 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 2138628886 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1187.09998 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000769999984 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1187.09998 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000531999976 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn AutoCntrHiSpd M str.Filter2Enable Cnt lgc | 0 |



| Name | Input Value | | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|---------------------------------------------|-------|--|
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | | | |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | | | |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 75.1999969 | | | |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 146.199997 | | | |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 18.2000008 | | | |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 45.2000008 | | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 12258 | | | |
| VehDyn_AutoCntrl_oSpd_M_str.Timer2Thresh_mS_u16 | 36416 | | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 219286216 2138628886 | | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1187.09998 | | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 7.66000012e-005 | | | |
| VehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32 | 1187.09998 | | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000969999994 | | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 | | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 | | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | | | |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 1 | | | |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | -800.859985 | | | |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 | | | |
| VehDyn_Initialize_Cnt_M_lgc | 0 | | | |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | | | |
| VehDyn_MaxOffset_HwDeg_M_f32 | 1207.81396 | | | |
| VehDyn_MinOffset_HwDeg_M_f32 | -410.070007 | | | |
| VehDyn_PinTrqSV_M_str.SV_UIs_f32 | -7 | | | |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000487999991 | | | |
| VehDyn_SLPHwDos_HwDos_M_f32 | 0.143000007 134.529999 | | | |
| VehDyn_StPHwPos_HwDeg_M_f32 VehDyn_SrlHwAgVldTimer_mS_M_u32 | 954802432 | | | |
| k_HiSpdVDAuthority_Uls_f32 | 0 | | | |
| k_HwTqMgnThd_HwNm_f32 | 1.10000002 | | | |
| k LoSpdVDAuthority Uls f32 | 1 | | | |
| k SrlHwAgVldTiThd mS u32 | 12 | | | |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 52.7000008 | | | |
| k_TravelXCDeadband_Uls_f32 | 9.17000008 | | | |
| k_TravelXCHwAuthority_Uls_f32 | 0.221200004 | | | |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 71426560 | | | |
| target_GetSystemTime_mS_u32_CurrentTime | 3941357312 | | | |
| $target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_Elapse$ | Ti 3039943680 | | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ | e 954802432 | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 | | target_VehDyn_Per1_CcwEOT_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | | target_VehDyn_Per1_CwEOT_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_HwTorque_HwNm_f32 | | target_VehDyn_Per1_HwTorque_HwNm_f32 | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | | target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f32 | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessAuthority_Uls_f32 | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_srlHwAgVld_Cnt_lgc | target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target VehDyn Per1 TorqueCmdCRF Mtr | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc | target VehDyn Per1 VehicleSpeedValid Cnt Igc | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph_f32 | | | |
| target VehDyn Per1 CcwEOT HwDeg f32.value | -386.470001 | | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 1037.81995 | | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | -1.88 | | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | 88 | | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | 1187.09998 | | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 0 | | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | 134.529999 | | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | -8.39999962 | | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 0 | | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 489 | | | |
| Name | Actual Value | Expected Value | Resul | |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 | 1 | • | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 219286216 | 219286216 | • | |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 2138628886 | 2138628886 | • | |
| | | | | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1187.09998 | 1187.09998 ± 0.009 | • | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1187.09998 | 1187.09998 ± 0.009 | | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1187.09998 0 | 1187.09998 ± 0.009 | • | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1187.09998 | 1187.09998 ± 0.009 | | |

VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc



| Name | Actual Value | Expected Value | Result |
|-----------------------------------------------------------------|--------------|-----------------------|----------|
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 3941357312 | 3941357312 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 2138628886 | 2138628886 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1187.09998 | 1187.09998 ± 0.009 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1187.09998 | 1187.09998 ± 0.009 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 219286216 | 219286216 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 2138628886 | 2138628886 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1187.09998 | 1187.09998 ± 0.009 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1187.09998 | 1187.09998 ± 0.009 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_MaxOffset_HwDeg_M_f32 | 1037.81995 | 1037.81995 | ~ |
| VehDyn_MinOffset_HwDeg_M_f32 | -386.470001 | -386.470001 | ~ |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | -6.9975791 | -6.9975791 ± 0.000009 | ~ |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 954802432 | 954802432 | ~ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 1 | 1 ± 0.004 | ~ |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | 1600 | 1600 ± 0.1 | ~ |

| T ✓ | | | | |
|----------------------------------------------------|-------|----------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | • |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ✓ |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |

| Name | Input Value |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|
| DtrmnElapsedTime_mS_u32(ElapsedTime) | target DtrmnElapsedTime mS u32 ElapsedTime |
| GetSystemTime mS u32(CurrentTime) | target GetSystemTime mS u32 CurrentTime |
| Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32(ElapsedTime) | target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedTime |
| Rte Call Ap VehDyn SystemTime GetSystemTime mS u32(CurrentTime) | target Rte Call Ap VehDyn SystemTime GetSystemTime mS u32 CurrentTime |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| /ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 |
| /ehDyn AutoCntrDetSpd M str.MtrVel MtrRadpS f32 | 497.5 |
| /ehDyn AutoCntrDetSpd M str.VehSpd kph f32 | 86.5 |
| VehDyn AutoCntrDetSpd M str.FiltPinTrg HwNm f32 | 6.5 |
| VehDyn AutoCntrDetSpd M str.CntrWindow HwDeg f32 | 86.5 |
| VehDyn AutoCntrDetSpd M str.Timer1Thresh mS u16 | 43128 |
| /ehDyn AutoCntrDetSpd M str.Timer2Thresh mS u16 | 3186 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 274107514 |
| /ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 2345892860 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1297.32996 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000972000009 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1297.32996 |
| /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000972000009 |
| /ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| /ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| /ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 98.6999969 |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 76.5999985 |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 14.6000004 |
| /ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 96.4000015 |
| /ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 38868 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 57944 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 274107514 |
| /ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 2345892860 |
| /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1297.32996 |
| /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000771999999 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1297.32996 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000536000007 |



| | | | 1 - 1 - 1 - 1 - 1 |
|------------------------------------------------------------------------|------------------------------------------------|------------------------------------------|-------------------|
| Name | Input Value | | |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | | |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 | | |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | | |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | | |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 98.0999985 | | |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 156.100006 | | |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 3.0999999 | | |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 78.0999985 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 34738 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 36612 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 274107514 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 2345892860 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1297.32996 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 7.68000027e-005 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1297.32996 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000972000009 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | | |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 0 | | |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | -700.950012 | | |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 | | |
| VehDyn_Initialize_Cnt_M_lgc | 1 | | |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 | | |
| VehDyn_MaxOffset_HwDeg_M_f32 | 1212.80603 | | |
| VehDyn_MinOffset_HwDeg_M_f32 | -416.790009 | | |
| VehDyn_PinTrqSV_M_str.SV_UIs_f32 | 6.30000019 0.000488999998 | | |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.123999998 | | |
| VehDyn_SLPHwAuth_Uls_M_f32 | 144.789993 | | |
| VehDyn_SLPHwPos_HwDeg_M_f32 VehDyn_SrlHwAgVldTimer_mS_M_u32 | 1001845248 | | |
| k_HiSpdVDAuthority_Uls_f32 | 0 | | |
| k_HwTqMgnThd_HwNm_f32 | 2.0999999 | | |
| k_LoSpdVDAuthority_UIs_f32 | 1 | | |
| k_SrlHwAgVldTiThd_mS_u32 | 45 | | |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 10.5 | | |
| k_TraveIXCDeadband_Uls_f32 | 10.7399998 | | |
| k_TraveIXCHwAuthority_UIs_f32 | 0.222424999 | | |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 2430672128 | | |
| target_GetSystemTime_mS_u32_CurrentTime | 3304439296 | | |
| target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedTi | | | |
| target Rte Call Ap VehDyn SystemTime GetSystemTime mS u32 CurrentTime | | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 | | |
| target Rte Inst Ap VehDyn.VehDyn Per1 CwEOT HwDeg f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target VehDyn Per1 HwTorque HwNm f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_Uls_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_H | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc | target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph_f32 | | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -380.209991 | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 1032.25098 | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | -1.99000001 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | -75.4100037 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | 1297.32996 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 1 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | 144.789993 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | 4.9000001 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 1 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 500.053986 | | |
| Name | Actual Value | Expected Value | Resul |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 | 1 | • |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 274107514 | 274107514 | , |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 2345892860 | 2345892860 | • |
| | | | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1297.32996 | 1297.32996 ± 0.009 | • |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1297.32996 1297.32996 1 | 1297.32996 ± 0.009 1297.32996 ± 0.009 | |

0



| Name | Actual Value | Expected Value | Result |
|-----------------------------------------------------------------|--------------|-----------------------|----------|
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 274107514 | 274107514 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 3304439296 | 3304439296 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1297.32996 | 1297.32996 ± 0.009 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1297.32996 | 1297.32996 ± 0.009 | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 3304439296 | 3304439296 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 2345892860 | 2345892860 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1297.32996 | 1297.32996 ± 0.009 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1297.32996 | 1297.32996 ± 0.009 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 | 0 | ✓ |
| VehDyn_MaxOffset_HwDeg_M_f32 | -265.078979 | -265.07901 | ~ |
| VehDyn_MinOffset_HwDeg_M_f32 | -416.790009 | -416.790009 | ✓ |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 6.29617453 | 6.29617453 ± 0.000009 | • |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 1001845248 | 1001845248 | ✓ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 1 | 1 ± 0.004 | ~ |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | 144.789993 | 144.789993 ± 0.1 | • |

| T | | | | |
|-------------------------------------------------------|-------|-------------------------------------------------------|-------|--------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte Call VehDyn Per1 CP0 CheckpointReached | 1 | Rte Call VehDyn Per1 CP0 CheckpointReached | 1 | / V |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32 | 1 | - |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | • |
| DtrmnElapsedTime_mS_u32 | 1 | DtrmnElapsedTime_mS_u32 | 1 | • |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| DtrmnElapsedTime_mS_u32 | 1 | DtrmnElapsedTime_mS_u32 | 1 | - |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | - |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | - |
| Rte Call VehDyn Per1 CP1 CheckpointReached | 1 | Rte Call VehDyn Per1 CP1 CheckpointReached | 1 | - |

| Toot Stop 2 474 (Bonost Count = 4) | |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|
| Test Step 2.174 (Repeat Count = 1) | |
| Name | Input Value |
| OtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| GetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| /ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 |
| ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 31.7999992 |
| /ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 96.8000031 |
| /ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 8.80000019 |
| /ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 56.7999992 |
| /ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 53759 |
| /ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 30349 |
| /ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 328928812 |
| ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 2553156835 |
| /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1361.30005 |
| /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000974000024 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1361.30005 |
| /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000974000024 |
| /ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| /ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| /ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 66.9000015 |
| ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 86.5999985 |
| ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 12.8000002 |
| /ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 45.7000008 |
| /ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 53970 |
| /ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 52282 |



| Name | Input Value |
|----------------------------------------------------------------------------------------------------|------------------------------------------------|
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 328928812 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 2553156835 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1361.30005 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000774000015 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1361.30005 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000539999979 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 66.4000015 |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 126.400002 |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 5.4000001 |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 96.4000015 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 37799 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 41632 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 328928812 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 2553156835 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1361.30005 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 7.6999997e-005 |
| , = , | 1361.30005 |
| , = | 0.000974000024 |
| 7 2 1111 1 1111 2 2 2 2 3 1 | 1 |
| , = = = = = = = = = = = = = = = = = = = | 1 |
| 7 2 1111 1 1111 1 1 1 1 1 1 1 1 1 1 1 1 | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| , , , , , , , , , , , , , , , , , , , , | 1 |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | -601.039978 |
| .), | 1 |
| VehDyn_Initialize_Cnt_M_lgc | 1 |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 |
| VehDyn_MaxOffset_HwDeg_M_f32 | 1217.79797 |
| VehDyn_MinOffset_HwDeg_M_f32 | -423.51001 |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 15.1999998 |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000490000006 |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.104999997 |
| VehDyn_SLPHwPos_HwDeg_M_f32 | 155.050003 |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 1807164800 |
| k_HiSpdVDAuthority_Uls_f32 | 1 |
| | 3.0999999 |
| k_LoSpdVDAuthority_Uls_f32 | 0 |
| | 65 |
| -, | 25.4500008 |
| k_TravelXCDeadband_Uls_f32 | 12.3100004 |
| | 0.223649994 |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 2242866176 |
| target_GetSystemTime_mS_u32_CurrentTime | 2167769344 |
| | 123 |
| target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime | |
| · | target_VehDyn_Per1_CcwEOT_HwDeg_f32 |
| | target_VehDyn_Per1_CwEOT_HwDeg_f32 |
| | target_VehDyn_Per1_HwTorque_HwNm_f32 |
| | target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 |
| | target_VehDyn_Per1_RelHwPos_HwDeg_f32 |
| | target_VehDyn_Per1_SensorlessAuthority_Uls_f32 |
| · | target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 |
| | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc |
| v | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 |
| | target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 |
| | target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc |
| | target_VehDyn_Per1_VehicleSpeed_Kph_f32 |
| 9 - 7 9- | -373.950012 |
| · - · · - | 1026.68201 |
| | -2.0999999 |
| 0 = 7 = = - 1 = | 154 |
| 0 = 7 = = 0= | 1361.30005 |
| 3 12 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 | 1 |
| | 155.050003 |
| | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | -4.5 |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 0 |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | |



| Name | Actual Value | Expected Value | Result |
|------------------------------------------------------------------|--------------|----------------------|----------|
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 328928812 | 328928812 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 2553156835 | 2553156835 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1361.30005 | 1361.30005 ± 0.009 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1361.30005 | 1361.30005 ± 0.009 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 2167769344 | 2167769344 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 2553156835 | 2553156835 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1361.30005 | 1361.30005 ± 0.009 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1361.30005 | 1361.30005 ± 0.009 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 328928812 | 328928812 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 2553156835 | 2553156835 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1361.30005 | 1361.30005 ± 0.009 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1361.30005 | 1361.30005 ± 0.009 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | 1 | ✓ |
| VehDyn_MaxOffset_HwDeg_M_f32 | -334.618042 | -334.618011 | ~ |
| VehDyn_MinOffset_HwDeg_M_f32 | -423.51001 | -423.51001 | ✓ |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 15.1914358 | 15.1914368 ± 0.00009 | ~ |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 1807164800 | 1807164800 | • |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 1 | 1 ± 0.004 | ~ |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | 1600 | 1600 ± 0.1 | ~ |

| Т | | | V | |
|-------------------------------------------------------|-------|-------------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32 | 1 | ✓ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ✓ |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ✓ |

| Name | Input Value |
|-------------------------------------------------------------------|--------------------------------------------------------------------------|
| DtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| GetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 290.100006 |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 106.099998 |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 10.1000004 |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 54.0999985 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 13352 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 3277 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 383750110 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 2760420809 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 586.059998 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000975999981 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 586.059998 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000975999981 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 34.5999985 |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 96.8000031 |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 10.0100002 |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 78.6999969 |



| | TOTAL TOTAL |
|--------------------------------------------------------------------------------------------------|------------------------------------------------|
| Name | Input Value |
| /ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 20423 |
| /ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 31368 |
| | 383750110 |
| /ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 2760420809 |
| | 586.059998 |
| | 0.000775999972 |
| | 586.059998 |
| · - · | 0.00054400001 |
| | 0 |
| , = - = = = = = = = = = = = = = = = = = | 1 |
| , = , = = = = = = = = = = = = = = = = = | 1 |
| , = - = - = - = - | 1 |
| , = | 34 |
| | 136 |
| , = , = , = , = , = , | 1 |
| , | 32 |
| , = , = = = = = = = = = = = = = = = = = | 26195 |
| | 22037 |
| , - , | 383750110 |
| /- | 2760420809 |
| , = | |
| , = - = - = - | 586.059998 7.7400008E- 00E |
| | 7.71999985e-005 |
| 7 - 1 - 2 - 3 - 2 - 3 | 586.059998 |
| , = | 0.000975999981 |
| , | 1 |
| , = - = = = = = = = = = = = = = = = = = | 0 |
| 7 - 1 - 2 | 1 |
| /ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| /ehDyn_ForceCenterEnabled_Cnt_M_lgc | 0 |
| /ehDyn_ForceCenterOffset_HwDeg_M_f32 | -501.130005 |
| /ehDyn_HiSpdLearnt_Cnt_M_lgc | 1 |
| /ehDyn_Initialize_Cnt_M_lgc | 0 |
| /ehDyn_LoSpdLearnt_Cnt_M_lgc | 0 |
| /ehDyn_MaxOffset_HwDeg_M_f32 | 1222.79004 |
| /ehDyn_MinOffset_HwDeg_M_f32 | -430.230011 |
| /ehDyn_PinTrqSV_M_str.SV_UIs_f32 | 14 |
| /ehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000491000013 |
| | 0.0860000029 |
| | 165.309998 |
| /ehDyn_SrlHwAgVldTimer_mS_M_u32 | 43238144 |
| 7 = 0 = = = | 0 |
| | 4.0999999 |
| | 1 |
| _ · _ / | 112 |
| | 86.4499969 |
| | 13.8800001 |
| | 0.224875003 |
| | |
| | 2269150976 3714197504 |
| 3-2 | |
| | 54689 |
| | 309385728 |
| · · · · · · · · | target_VehDyn_Per1_CcwEOT_HwDeg_f32 |
| | target_VehDyn_Per1_CwEOT_HwDeg_f32 |
| | target_VehDyn_Per1_HwTorque_HwNm_f32 |
| | target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 |
| | target_VehDyn_Per1_RelHwPos_HwDeg_f32 |
| | target_VehDyn_Per1_SensorlessAuthority_Uls_f32 |
| · | target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 |
| arget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc |
| · · · · · · · · · · · · · · · | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 |
| arget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 |
| arget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc | target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc |
| arget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph_f32 |
| arget_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -367.690002 |
| | 1021.11298 |
| | -2.21000004 |
| | -759.541016 |
| | 586.059998 |
| · - · · - | 0 |
| | 165.309998 |
| | 100.00000 |
| 0 = 7 = = 0= | 4 9000001 |
| arget_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | 4.900001 |
| arget_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value arget_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 4.900001 1 99.4520035 |



| Name | Actual Value | Expected Value | Result |
|------------------------------------------------------------------|--------------|----------------------|----------|
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 | 1 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 383750110 | 383750110 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 2760420809 | 2760420809 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 586.059998 | 586.059998 ± 0.0009 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 586.059998 | 586.059998 ± 0.0009 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 3714197504 | 3714197504 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 2760420809 | 2760420809 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 586.059998 | 586.059998 ± 0.0009 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 586.059998 | 586.059998 ± 0.0009 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 383750110 | 383750110 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 2760420809 | 2760420809 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 586.059998 | 586.059998 ± 0.0009 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 586.059998 | 586.059998 ± 0.0009 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 | 1 | ✓ |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | ✓ |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 | 0 | ~ |
| VehDyn_MaxOffset_HwDeg_M_f32 | 1021.11298 | 1021.11298 | ~ |
| VehDyn_MinOffset_HwDeg_M_f32 | -367.690002 | -367.690002 | ~ |
| VehDyn_PinTrqSV_M_str.SV_UIs_f32 | 13.9920683 | 13.9920683 ± 0.00009 | ~ |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 43238144 | 43238144 | ✓ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 0.0860000029 | 0.0860000029 ± 0.004 | ~ |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | 751.369995 | 751.369995 ± 0.1 | v |

| T | | | | V |
|-------------------------------------------------------|-------|-------------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ✓ |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |

| Test Step 2.176 (Repeat Count = 1) | |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|
| Name | Input Value |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| GetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 604.900024 |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 116.900002 |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 12.8999996 |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 85.9000015 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 21364 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 22497 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 2967684784 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 2967684784 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -339.980011 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000977999996 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -339.980011 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000977999996 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 2.79999995 |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 106.800003 |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 2.5 |



| Name | Input Value |
|------------------------------------------------------------------------|------------------------------------------------|
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 96.5999985 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 7034 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 39056 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 2967684784 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 2967684784 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -339.980011 |
| VehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32 | 0.000777999987 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -339.980011 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000547999982 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 2.4000001 |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 146.399994 |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrg_HwNm_f32 | 7.4000001 |
| · - · · · | 52.4000015 |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 43190 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 3186 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 2967684784 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 2967684784 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -339.980011 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 7.74e-005 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -339.980011 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000977999996 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 1 |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | -401.220001 |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 |
| VehDyn Initialize Cnt M Igc | 0 |
| VehDyn LoSpdLearnt Cnt M Igc | 1 |
| VehDyn MaxOffset HwDeg M f32 | -1227.78198 |
| VehDyn_MinOffset_HwDeg_M_f32 | -436.950012 |
| VehDyn_PinTrqSV_M_str.SV_UIs_f32 | 8.8999962 |
| VehDyn_PinTrqSV_M_str.K_UIs_f32 | 0.000492000021 |
| VehDyn SLPHwAuth Uls M f32 | 0.0670000017 |
| VehDyn_SLPHwPos_HwDeg_M_f32 | 175.570007 |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 484033152 |
| k_HiSpdVDAuthority_Uls_f32 | 1 |
| k HwTqMgnThd HwNm f32 | 5.099999 |
| k_LoSpdVDAuthority_Uls_f32 | 0 |
| _ : : : : : : : : : : : : : : : : : : : | • |
| k_SrlHwAgVldTiThd_mS_u32 | 1385 |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 56.1300011 |
| k_TravelXCDeadband_Uls_f32 | 15.4499998 |
| k_TravelXCHwAuthority_Uls_f32 | 0.226099998 |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 3533260288 |
| target_GetSystemTime_mS_u32_CurrentTime | 3323480832 |
| target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedTi | |
| target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime | 2659241984 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_Uls_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc | target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph_f32 |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -361.429993 |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 1015.54401 |
| | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | -2.31999993 |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | -759.549988 |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | -339.980011 |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 0 |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | 175.570007 |
| | 7.9000001 |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | 7.3000001 |



| Name | Input Value | | |
|------------------------------------------------------------------|--------------|-----------------------|----------|
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 87 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 0 | 0 | • |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 3323480832 | 3323480832 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 2967684784 | 2967684784 | • |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -339.980011 | -339.980011 ± 0.0009 | • |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -339.980011 | -339.980011 ± 0.0009 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 2967684784 | 2967684784 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 2967684784 | 2967684784 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -339.980011 | -339.980011 ± 0.0009 | • |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -339.980011 | -339.980011 ± 0.0009 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 3323480832 | 3323480832 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 2967684784 | 2967684784 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -339.980011 | -339.980011 ± 0.0009 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -339.980011 | -339.980011 ± 0.0009 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 | 0 | ✓ |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | 1 | ✓ |
| VehDyn_MaxOffset_HwDeg_M_f32 | 1015.54401 | 1015.54401 | ~ |
| VehDyn_MinOffset_HwDeg_M_f32 | -361.429993 | -361.429993 | ~ |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 8.89454842 | 8.89454937 ± 0.000009 | ~ |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 484033152 | 484033152 | ~ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 1 | 1 ± 0.004 | ✓ |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | 61.2399902 | 61.2400017 ± 0.1 | ~ |

| T | | | | ✓ |
|-------------------------------------------------------|-------|-------------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32 | 1 | • |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |

| Test Step 2.177 (Repeat Count = 1) | ✓ |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|
| Name | Input Value |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| GetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 554.799988 |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 126.800003 |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 14.8000002 |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 96.8000031 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 33198 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 27074 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 3174948758 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 3174948758 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1590.80005 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000980000012 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1590.80005 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000980000012 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |



| Name Input Value | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_Igc 1 | |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 120 | |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 116.599998 | |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 4.4000001 | |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 32 | |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 25532 | |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 27401 | |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 3174948758 | |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 3174948758 | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 1590.80005 | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 0.000780000002 | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 1590.80005 | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 0.000552000012 | |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 | |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 1 | |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc 1 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 | |
| , _ , | |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 120 | |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 156 | |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 13.5 | |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 10 | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 30404 | |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 30349 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 30349 | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 3174948758 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 3174948758 | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 1590.80005 | |
| | |
| 7 | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 1590.80005 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 0.000980000012 | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 1 | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 1 | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc 1 | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0 | |
| VehDyn ForceCenterEnabled Cnt M Igc 1 | |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 -301.309998 | |
| VehDyn_HiSpdLearnt_Cnt_M_lgc 1 | |
| VehDyn_Initialize_Cnt_M_lgc 1 | |
| VehDyn_LoSpdLearnt_Cnt_M_lgc 0 | |
| VehDyn MaxOffset HwDeg M f32 1232.77405 | |
| VehDyn MinOffset HwDeg M f32 -443.670013 | |
| VehDyn_PinTrqSV_M_str.SV_UIs_f32 13.8999996 | |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | |
| VehDyn_SLPHwAuth_Uls_M_f32 | |
| VehDyn_SLPHwPos_HwDeg_M_f32 185.830002 | |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 1213316096 | |
| k_HiSpdVDAuthority_Uls_f32 0 | |
| k_HwTqMgnThd_HwNm_f32 6.0999999 | |
| k_LoSpdVDAuthority_Uls_f32 1 | |
| k_SrlHwAgVldTiThd_mS_u32 744 | |
| k_SysKinRatio_MtrDegpHwDeg_f32 54.1199989 | |
| k TravelXCDeadband Uls f32 17.0200005 | |
| k TravelXCHwAuthority Uls f32 0.227325007 | |
| target DtrmnElapsedTime mS u32 ElapsedTime 812314880 | |
| target_GetSystemTime_mS_u32_CurrentTime 3941357312 | |
| target Rte Call Ap VehDvn SystemTime DtrmnElapsedTime mS u32 ElapsedTi 333 | |
| ntTime 2942063360 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_HwTorque_HwNm_f32 target_VehDyn_Per1_HwTorque_HwNm_f32 | |
| | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | |
| | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_VehDyn_VehDyn_VehDyn_Per1_RelHwPos_HwDeg_f32 target_VehDyn_Per1_RelHwPos_HwDeg_f32 | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_RelHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessAuthority_Uls_f32 target_VehDyn_Per1_SensorlessAuthority_Uls_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_RelHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | |

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| Name | Input Value | | |
|------------------------------------------------------------------|--------------|----------------------|--------|
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 1 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | 185.830002 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | -1.79999995 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 1 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 127 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 | 1 | • |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 3174948758 | 3174948758 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 3174948758 | 3174948758 | • |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1590.80005 | 1590.80005 ± 0.009 | • |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1590.80005 | 1590.80005 ± 0.009 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | • |
| VehDyn AutoCntrHiSpd M str.Timer1 mS u32 | 3941357312 | 3941357312 | |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 3174948758 | 3174948758 | • |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1590.80005 | 1590.80005 ± 0.009 | • |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1590.80005 | 1590.80005 ± 0.009 | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | • |
| VehDyn AutoCntrHiSpd M str.Filter2Enable Cnt lgc | 1 | 1 | • |
| VehDyn AutoCntrHiSpd M str.Filter1Initialized Cnt Igc | 1 | 1 | |
| VehDyn AutoCntrHiSpd M str.Filter2Initialized Cnt Igc | 1 | 1 | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 3174948758 | 3174948758 | |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 3174948758 | 3174948758 | • |
| VehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32 | 1590.80005 | 1590.80005 ± 0.009 | |
| VehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32 | 1590.80005 | 1590.80005 ± 0.009 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 | 1 | |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | • |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 | 0 | |
| VehDyn_MaxOffset_HwDeg_M_f32 | -580.825073 | -580.825012 | |
| VehDyn_MinOffset_HwDeg_M_f32 | -443.670013 | -443.670013 | • |
| VehDyn_PinTrqSV_M_str.SV_UIs_f32 | 13.8919325 | 13.8919325 ± 0.00009 | |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 1213316096 | 1213316096 | |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 1 | 1 ± 0.004 | |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | 1600 | 1600 ± 0.1 | |

| T · | | | | |
|-------------------------------------------------------|-------|-------------------------------------------------------|-------|--------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32 | 1 | • |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | • |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | • |

| Test Step 2.178 (Repeat Count = 1) | ✓ |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|
| Name | Input Value |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| GetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 570.400024 |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 246.399994 |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 14.3999996 |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 96.4000015 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 21335 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 39056 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 2967684784 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 3174948758 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 385.579987 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000921999977 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 385.579987 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000921999977 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 |



| Name | Input Value |
|-----------------------------------------------------------------------|------------------------------------------------|
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 78.4000015 |
| | 226.600006 |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 3.4000001 |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 32.5999985 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 53970 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 52282 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 2967684784 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 3174948758 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 385.579987 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000722000026 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 385.579987 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000436000002 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 78.1999969 |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 52.2000008 |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 14.1999998 |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 41.200008 |
| VehDyn AutoCntrLoSpd M str.Timer1Thresh mS u16 | 26195 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 22037 |
| VehDyn AutoCntrLoSpd M str.Timer1 mS u32 | 2967684784 |
| VehDyn AutoCntrLoSpd M str.Timer2 mS u32 | 3174948758 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 385.579987 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_UIs_f32 | 7.1800001e-005 |
| | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 385.579987 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000921999977 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 1 |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | -1.58000004 |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 |
| VehDyn_Initialize_Cnt_M_lgc | 1 |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 |
| VehDyn_MaxOffset_HwDeg_M_f32 | -1302.15002 |
| VehDyn_MinOffset_HwDeg_M_f32 | -1440.10999 |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 17.7999992 |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000464000012 |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.153999999 |
| VehDyn_SLPHwPos_HwDeg_M_f32 | 370.51001 |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 306931584 |
| k HiSpdVDAuthority Uls f32 | 0.75999999 |
| k HwTqMgnThd HwNm f32 | 7.0999999 |
| k LoSpdVDAuthority UIs f32 | 1 |
| k SrlHwAgVldTiThd mS u32 | 700 |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 52.5400009 |
| k_TravelXCDeadband_UIs_f32 | 45.2799988 |
| k TravelXCHwAuthority Uls f32 | 0.249375001 |
| | 0.2493/5001 4243378688 |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | |
| target_GetSystemTime_mS_u32_CurrentTime | 3941357312 |
| target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedT | |
| target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_Uls_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc | target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph_f32 |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -461.790009 |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 943.146973 |
| target VehDyn Per1 HwTorque HwNm f32.value | -4.4099985 |
| wigo one yii_i or _inviolade_invitiii_loz.value | |



| Name | Input Value | | |
|------------------------------------------------------------------|--------------|----------------------|----------|
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | 159.009995 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | 385.579987 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 1 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | 370.51001 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | -8.39999962 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 1 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 139.270004 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 2967684784 | 2967684784 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 3174948758 | 3174948758 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 385.579987 | 385.579987 ± 0.0009 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 385.579987 | 385.579987 ± 0.0009 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 3941357312 | 3941357312 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 3174948758 | 3174948758 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 385.579987 | 385.579987 ± 0.0009 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 385.579987 | 385.579987 ± 0.0009 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 2967684784 | 2967684784 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 3174948758 | 3174948758 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 385.579987 | 385.579987 ± 0.0009 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 385.579987 | 385.579987 ± 0.0009 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 | 1 | ✓ |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | ✓ |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | 1 | ✓ |
| VehDyn_MaxOffset_HwDeg_M_f32 | -1302.15002 | -1302.15002 | ✓ |
| VehDyn_MinOffset_HwDeg_M_f32 | -847.369995 | -847.369995 | ✓ |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 17.7896194 | 17.7896194 ± 0.00009 | ✓ |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 306931584 | 306931584 | ✓ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 1 | 1 ± 0.004 | ✓ |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | 387.159973 | 387.160004 ± 0.1 | ~ |

| T ✓ | | | | |
|-------------------------------------------------------|-------|-------------------------------------------------------|-------|--------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | • |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |

| Test Step 2.179 (Repeat Count = 1) | ✓ |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|
| Name | Input Value |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| GetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 497.100006 |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 123.099998 |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 18.1000004 |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 45.0999985 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 12258 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 27401 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 3174948758 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 3382212733 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1377.90002 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000923999993 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1377.90002 |



| Name | Input Value |
|------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000923999993 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 88.6500015 |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 236.580002 |
| · - · - · - · - · - · - · - · - · - · - | 1.64999998 |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 52.5 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 20423 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 31368 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 3174948758 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 3382212733 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1377.90002 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000723999983 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1377.90002 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000440000003 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 88.5 |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 34.5 |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 12.5 |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 63.5 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 43190 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 3186 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 3174948758 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 3382212733 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1377.90002 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 7.20000025e-005 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1377.90002 |
| | 0.000923999993 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 0 |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | 98.3300018 |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 |
| VehDyn_Initialize_Cnt_M_lgc | 1 |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 |
| VehDyn_MaxOffset_HwDeg_M_f32 | 1298.25 |
| VehDyn_MinOffset_HwDeg_M_f32 | 2840 |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | -7 |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.00046499999 |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.163000003 |
| VehDyn_SLPHwPos_HwDeg_M_f32 | 380.769989 |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 997399808 |
| k_HiSpdVDAuthority_Uls_f32 | 0.779999971 |
| k_HwTqMgnThd_HwNm_f32 | 8.10000038 |
| k_LoSpdVDAuthority_Uls_f32 | 0 |
| k_SrlHwAgVldTiThd_mS_u32 | 701 |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 10.0500002 |
| k_TravelXCDeadband_Uls_f32 | 46.8499985 |
| k_TraveIXCHwAuthority_Uls_f32 | 0.25060001 |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 1050692864 |
| | |
| target_GetSystemTime_mS_u32_CurrentTime | 3304439296 |
| target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi | |
| target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_Uls_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc |
| | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | |
| | target VehDyn Per1 TorqueCmdCRF MtrNm f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target VehDyn Per1 VehicleSpeedValid Cnt lgc |
| | target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc target_VehDyn_Per1_VehicleSpeed_Kph_f32 |



| Name | Input Value | | |
|------------------------------------------------------------------|--------------|------------------------|----------|
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 937.578003 | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | -4.51999998 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | 1100.73999 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | -1377.90002 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 1 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | 380.769989 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | 4.9000001 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 0 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 387.859985 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 3174948758 | 3174948758 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 3382212733 | 3382212733 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1377.90002 | -1377.90002 ± 0.009 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1377.90002 | -1377.90002 ± 0.009 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 3304439296 | 3304439296 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 3382212733 | 3382212733 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1377.90002 | -1377.90002 ± 0.009 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1377.90002 | -1377.90002 ± 0.009 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 3304439296 | 3304439296 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 3382212733 | 3382212733 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1377.90002 | -1377.90002 ± 0.009 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1377.90002 | -1377.90002 ± 0.009 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 | 0 | ✓ |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | ✓ |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 | 0 | ✓ |
| VehDyn_MaxOffset_HwDeg_M_f32 | 1298.25 | 1298.25 | ~ |
| VehDyn_MinOffset_HwDeg_M_f32 | 2840 | 2840 | ✓ |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | -6.99862003 | -6.99862003 ± 0.000009 | ~ |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 997399808 | 997399808 | ✓ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 1 | 1 ± 0.004 | • |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | 380.769989 | 380.769989 ± 0.1 | _ |

| T | | | ✓ | |
|-------------------------------------------------------|-------|-------------------------------------------------------|----------|--------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32 | 1 | • |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | • |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |

| Test Step 2.180 (Repeat Count = 1) | v v v v v v v v v v v v v v v v v v v |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|
| Name | Input Value |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| GetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 498.399994 |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 186.399994 |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 16.3999996 |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 88.4000015 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 29729 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 33804 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 219286216 |



| Name | Input Value |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 1024 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 0 |
| VehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32 | 0.000904000015 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 0 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000904000015 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 662 |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 146.100006 |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 7.0999999 |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 52.4000015 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 43190 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 3186 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 219286216 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 1024 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 0 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000704000005 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 0 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.00039999999 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1. |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| VehDyn AutoCntrHiSpd M str.Filter2Initialized Cnt Igc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 662.099976 |
| VehDyn AutoCntrLoSpd M str.VehSpd kph f32 | 176.139999 |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 6.099999 |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 53.099985 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 29076 |
| | 43868 |
| VehDyn_AutoCntrl_oSpd_M_str.Timer2Thresh_mS_u16 | 219286216 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 1024 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 | 0 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 7.0000019e-005 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 0 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000904000015 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 1 |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | 198.240005 |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 |
| VehDyn_Initialize_Cnt_M_lgc | 1 |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 |
| VehDyn_MaxOffset_HwDeg_M_f32 | 1277.70203 |
| VehDyn_MinOffset_HwDeg_M_f32 | -504.149994 |
| VehDyn PinTrqSV M str.SV Uls f32 | 14 |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000455000001 |
| VehDyn SLPHwAuth Uls M f32 | 0.0729999989 |
| VehDyn_SLPHwPos_HwDeg_M_f32 | 278.170013 |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 195646592 |
| k_HiSpdVDAuthority_Uls_f32 | 0 |
| k_HwTqMgnThd_HwNm_f32 | 9.10000038 |
| | 1 |
| k_LoSpdVDAuthority_UIs_f32 | |
| k_SrlHwAgVldTiThd_mS_u32 | 702 |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 41.8499985 |
| k_TravelXCDeadband_Uls_f32 | 31.1499996 |
| k_TravelXCHwAuthority_Uls_f32 | 0.238350004 |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 2942063360 |
| target_GetSystemTime_mS_u32_CurrentTime | 3039943680 |
| $target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTim$ | Ti 2075080192 |
| $target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_$ | e 1736795392 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_Uls_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 |
| | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAgVld_Cnt_Igc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 |



| Name | Input Value | | |
|------------------------------------------------------------------|------------------------------|----------------------|---------------------------------------|
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCm | dCRF MtrNm f32 | |
| target Rte Inst Ap VehDyn.VehDyn Per1 VehicleSpeedValid Cnt Igc | target VehDyn Per1 VehicleSp | | |
| target Rte Inst Ap VehDyn.VehDyn Per1 VehicleSpeed Kph f32 | target_VehDyn_Per1_VehicleSp | | |
| target VehDyn Per1 CcwEOT HwDeg f32.value | -438.630005 | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 1415.25 | | |
| target VehDyn Per1 HwTorque HwNm f32.value | -3.42000008 | | |
| target VehDyn Per1 MotorVelCRF MtrRadpS f32.value | -835.099976 | | |
| target VehDyn Per1 RelHwPos HwDeg f32.value | 0 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 1 | | |
| target VehDyn Per1 SrlHwAg HwDeg f32.value | 278.170013 | | |
| target VehDyn Per1 TorqueCmdCRF MtrNm f32.value | 4.5999999 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 1 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 120.050003 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 0 | 0 | |
| VehDyn AutoCntrDetSpd M str.Timer1 mS u32 | 3039943680 | 3039943680 | ~ |
| VehDyn AutoCntrDetSpd M str.Timer2 mS u32 | 1024 | 1024 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 0 | 0 ± 0.000009 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 0 | 0 ± 0.000009 | |
| VehDyn AutoCntrDetSpd M str.Filter1Enable Cnt lgc | 0 | 0 | ~ |
| VehDyn AutoCntrDetSpd M str.Filter2Enable Cnt lgc | 0 | 0 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | |
| VehDyn AutoCntrHiSpd M str.Timer1 mS u32 | 219286216 | 219286216 | ~ |
| VehDyn AutoCntrHiSpd M str.Timer2 mS u32 | 1024 | 1024 | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 0 | 0 ± 0.000009 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 0 | 0 ± 0.000009 | |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn AutoCntrHiSpd M str.Filter2Initialized Cnt Igc | 0 | 0 | ~ |
| VehDyn AutoCntrLoSpd M str.Timer1 mS u32 | 219286216 | 219286216 | ✓ |
| VehDyn AutoCntrLoSpd M str.Timer2 mS u32 | 1024 | 1024 | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 0 | 0 ± 0.000009 | ✓ |
| VehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32 | 0 | 0 ± 0.000009 | |
| VehDyn AutoCntrLoSpd M str.Filter1Enable Cnt Igc | 0 | 0 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | • |
| VehDyn HiSpdLearnt Cnt M Igc | 1 | 1 | ✓ |
| VehDyn Initialize Cnt M Igc | 1 | 1 | ~ |
| VehDyn LoSpdLearnt Cnt M Igc | 1 | 1 | ✓ |
| VehDyn_MaxOffset_HwDeg_M_f32 | 1277.70203 | 1277.70203 | • |
| VehDyn MinOffset HwDeg M f32 | -438.630005 | -438.630005 | ✓ |
| VehDyn_PinTrqSV_M_str.SV_UIs_f32 | 13.9921236 | 13.9921236 ± 0.00009 | ✓ |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 195646592 | 195646592 | ✓ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 1 | 1 ± 0.004 | _ |
| target_veribyri_r er i_SerisoriessAuthority_ors_132.value | | 1 1 0.004 | · · · · · · · · · · · · · · · · · · · |

| T | | | | V |
|-------------------------------------------------------|-------|-------------------------------------------------------|-------|--------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32 | 1 | • |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | • |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |

| Test Step 2.181 (Repeat Count = 1) | |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|
| Name | Input Value |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| GetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 539.099976 |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 196.100006 |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 14.1000004 |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 75.0999985 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 7034 |



| Name | Input Value |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 22497 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 274107514 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 4290967295 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -275.019989 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000905999972 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -275.019989 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000905999972 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 124.599998 |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 156 |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 13.6000004 |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 10.3999996 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 30404 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 30349 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 274107514 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 4290967295 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -275.019989 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000706000021 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -275.019989 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000403999991 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 124.400002 |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 186.100006 |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 14.1000004 |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 86.0999985 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 32821 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 53946 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 274107514 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 4290967295 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -275.019989 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 7.02000034e-005 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -275.019989 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000905999972 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 1 |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | 298.149994 |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 |
| VehDyn_Initialize_Cnt_M_lgc | 0 |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 |
| VehDyn_MaxOffset_HwDeg_M_f32 | 1282.69397 |
| VehDyn_MinOffset_HwDeg_M_f32 | -510.869995 |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 7.80000019 |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000456000009 |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.0820000023 |
| VehDyn_SLPHwPos_HwDeg_M_f32 | 288.429993 |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 3437401088 |
| k_HiSpdVDAuthority_Uls_f32 | 1 |
| k_HwTqMgnThd_HwNm_f32 | 0.119999997 |
| k_LoSpdVDAuthority_UIs_f32 | 0 |
| k_SrlHwAgVldTiThd_mS_u32 | 703 |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 63.0139999 |
| k_TravelXCDeadband_Uls_f32 | 32.7200012 |
| k_TravelXCHwAuthority_Uls_f32 | 0.239574999 |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 1117112832 |
| target_GetSystemTime_mS_u32_CurrentTime | 1316564736 |
| $target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_Elapsed$ | 954802432 |
| target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime | 3437401088 |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f32 |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_Uls_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 |
| | |



| Name | Input Value | | |
|------------------------------------------------------------------|-------------------------------------------|-----------------------|----------|
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc | target_VehDyn_Per1_VehicleSpeed | Valid_Cnt_lgc | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed | Kph_f32 | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -1440.10999 | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 987.698975 | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | -3.52999997 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | -456 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | -275.019989 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 0 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | 288.429993 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | -7.30000019 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 0 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 230.039993 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn AutoCntrDetSpd M str.Timer1 mS u32 | 274107514 | 274107514 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 4290967295 | 4290967295 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -275.019989 | -275.019989 ± 0.0009 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -275.019989 | -275.019989 ± 0.0009 | ✓ |
| VehDyn AutoCntrDetSpd M str.Filter1Enable Cnt lgc | 1 | 1 | ✓ |
| VehDyn AutoCntrDetSpd M str.Filter2Enable Cnt lgc | 1 | 1 | ✓ |
| VehDyn AutoCntrDetSpd M str.Filter1Initialized Cnt Igc | 1 | 1 | ✓ |
| VehDyn AutoCntrDetSpd M str.Filter2Initialized Cnt Igc | 0 | 0 | ✓ |
| VehDyn AutoCntrHiSpd M str.Timer1 mS u32 | 1316564736 | 1316564736 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 4290967295 | 4290967295 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -275.019989 | -275.019989 ± 0.0009 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -275.019989 | -275.019989 ± 0.0009 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 1316564736 | 1316564736 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 4290967295 | 4290967295 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -275.019989 | -275.019989 ± 0.0009 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -275.019989 | -275.019989 ± 0.0009 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 | 0 | ~ |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 | 0 | ~ |
| VehDyn_MaxOffset_HwDeg_M_f32 | 987.698975 | 987.698975 | ~ |
| VehDyn_MinOffset_HwDeg_M_f32 | -1440.10999 | -1440.10999 | ~ |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 7.79478073 | 7.79478073 ± 0.000009 | ~ |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 3437401088 | 3437401088 | ~ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 1 | 1 ± 0.004 | ~ |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | -573.169983 | -573.169983 ± 0.1 | ~ |
| | | | |

| Τ | | | | ✓ |
|----------------------------------------------------|-------|----------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | • |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | • |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | - |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ✓ |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | • |

| Test Step 2.182 (Repeat Count = 1) | |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|
| Name | Input Value |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| GetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 |
| VehDyn AutoCntrDetSpd M str.MtrVel MtrRadpS f32 | 9.39999962 |



| | (|
|----------------------------------------------------------------------|--------------------------------------|
| Name | Input Value |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 18.3999996 |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 10.3999996 |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 75.4000015 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 7034 |
| VehDyn AutoCntrDetSpd M str.Timer2Thresh mS u16 | 36416 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 255468 |
| VehDyn AutoCntrDetSpd M str.Timer2 mS u32 | 3382212733 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1307.94995 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000942000013 |
| VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32 | 1307.94995 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000942000013 |
| | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 56 |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 96.1999969 |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 8.06999969 |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 12.3999996 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 32821 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 53946 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 109643620 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 4290967295 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1307.94995 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000742000004 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1307.94995 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000475999987 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_Igc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 56.099985 |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 126.099998 |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 14.1000004 |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 86.099985 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 33198 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 7778 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 109643620 |
| | 4290967295 |
| VehDyn_AutoCottrLoSpd_M_str.Timer2_mS_u32 | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1307.94995 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 7.3800017e-005 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1307.94995 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000942000013 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_Igc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 1 |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | 398.059998 |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 |
| VehDyn_Initialize_Cnt_M_lgc | 0 |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 |
| VehDyn_MaxOffset_HwDeg_M_f32 | 1127.94202 |
| VehDyn_MinOffset_HwDeg_M_f32 | -423.186005 |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | -14.8000002 |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000474 |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.446999997 |
| VehDyn SLPHwPos HwDeg M f32 | -29.6299992 |
| VehDyn SrlHwAgVldTimer mS M u32 | 1036175744 |
| k HiSpdVDAuthority UIs f32 | 1 |
| k_HwTqMgnThd_HwNm_f32 | 5.44999981 |
| k_LoSpdVDAuthority_Uls_f32 | 0 |
| k_cospuvDAdditionty_ois_is2 k_SrlHwAgVldTiThd_mS_u32 | 9000 |
| | 96.0999985 |
| k_SysKinRatio_MtrDegpHwDeg_f32 | |
| k_TravelXCDeadband_Uls_f32 | 12.6499996 |
| k_TraveIXCHwAuthority_UIs_f32 | 0.2016 |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 3039943680 |
| target_GetSystemTime_mS_u32_CurrentTime | 1050692864 |
| target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 Elapsed | |
| target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTim | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f32 |
| | |



| | | | MACILIA |
|-------------------------------------------------------------------|---------------------------------------|-----------------------|----------|
| Name | Input Value | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_Mtrl | RadpS_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg | _f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthorit | y_Uls_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos | HwDeg_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc | target_VehDyn_Per1_SrlHwAgVld_Cnt_I | gc | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg | f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_M | /trNm_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc | target_VehDyn_Per1_VehicleSpeedValid | _Cnt_lgc | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph | _f32 | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -486.630005 | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 1126.92395 | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | 5 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | 1023.04999 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | 1307.94995 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 0 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | -29.6299992 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | -1.89999998 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 0 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 387.73999 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 | 1 | _ |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 255468 | 255468 | ✓ |
| VehDyn AutoCntrDetSpd M str.Timer2 mS u32 | 3382212733 | 3382212733 | _ |
| VehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32 | 1307.94995 | 1307.94995 ± 0.009 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1307.94995 | 1307.94995 ± 0.009 | _ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | _ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | - |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 1050692864 | 1050692864 | • |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 4290967295 | 4290967295 | - |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1307.94995 | 1307.94995 ± 0.009 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1307.94995 | 1307.94995 ± 0.009 | _ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | _ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 1050692864 | 1050692864 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 4290967295 | 4290967295 | |
| VehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32 | 1307.94995 | 1307.94995 ± 0.009 | ✓ |
| VehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32 | 1307.94995 | 1307.94995 ± 0.009 | |
| VehDyn AutoCntrLoSpd M str.Filter1Enable Cnt Igc | 0 | 0 | ✓ |
| VehDyn AutoCntrLoSpd M str.Filter2Enable Cnt lgc | 1 | 1 | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | - |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 | 0 | ✓ |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | ✓ |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 | 0 | ✓ |
| VehDyn_MaxOffset_HwDeg_M_f32 | 1126.92395 | 1126.92395 | - |
| VehDyn MinOffset HwDeg M f32 | -486.630005 | -486.630005 | ✓ |
| VehDyn PinTrgSV M str.SV Uls f32 | -14.7906246 | -14.7906246 ± 0.00009 | - |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 1036175744 | 1036175744 | ✓ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 1 | 1 ± 0.004 | • |
| · | | | |

| Т | | | | ✓ |
|-------------------------------------------------------|-------|-------------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32 | 1 | • |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ✓ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Rte Call VehDvn Per1 CP1 CheckpointReached | 1 | Rte Call VehDvn Per1 CP1 CheckpointReached | 1 | _ |

909.889954

909.890015 ± 0.1

| Test Step 2.183 (Repeat Count = 1) | ✓ |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|
| Name | Input Value |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| GetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |

target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value



| Name | Input Value |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------|
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 533.099976 |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 88.4000015 |
| /ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 2.47000003 |
| /ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 10.3999996 |
| /ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 25532 |
| /ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 36612 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 164464918 |
| /ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 0 |
| /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -893.640015 |
| /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000944000029 |
| /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -893.640015 |
| VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32 | 0.000944000029 |
| /ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| /ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| /ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| /ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| | 86.1999969 |
| /ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | |
| /ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 129 |
| /ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 4.80000019 |
| /ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 53.2999992 |
| /ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 40437 |
| /ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 13059 |
| /ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 164464918 |
| /ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 1078320779 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -893.640015 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000744000019 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -893.640015 |
| /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000479999988 |
| /ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| /ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1. |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| /ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 86.1999969 |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 136.199997 |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 16.2000008 |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 96.1999969 |
| VehDyn AutoCntrLoSpd M str.Timer1Thresh mS u16 | 21335 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 34188 |
| · - · · | 164464918 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 1078320779 |
| | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -893.640015 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 7.4000032e-005 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -893.640015 |
| /ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000944000029 |
| /ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| /ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| /ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| /ehDyn_ForceCenterEnabled_Cnt_M_lgc | 1 |
| /ehDyn_ForceCenterOffset_HwDeg_M_f32 | 497.970001 |
| /ehDyn_HiSpdLearnt_Cnt_M_lgc | 1 |
| /ehDyn_Initialize_Cnt_M_lgc | 1 |
| /ehDyn_LoSpdLearnt_Cnt_M_lgc | 1 |
| VehDyn_MaxOffset_HwDeg_M_f32 | 1132.93396 |
| /ehDyn_MinOffset_HwDeg_M_f32 | -416.502014 |
| /ehDyn_PinTrqSV_M_str.SV_Uls_f32 | 17.7999992 |
| /ehDyn PinTrgSV M str.K Uls f32 | 0.000475000008 |
| /ehDyn_SLPHwAuth_Uls_M_f32 | 0.428000003 |
| /ehDyn_SLPHwPos_HwDeg_M_f32 | -19.370008 |
| /ehDyn_SrlHwAgVldTimer_mS_M_u32 | 1029379840 |
| C_HiSpdVDAuthority_Uls_f32 | 0 |
| C_HISPOVDAUTIONLY_OIS_132 C_HWTqMgnThd_HwNm_f32 | 6.32000017 |
| - · · | |
| C_LoSpdVDAuthority_Uls_f32 | 1 |
| c_SrlHwAgVIdTiThd_mS_u32 | 1000 |
| c_SysKinRatio_MtrDegpHwDeg_f32 | 32.0999985 |
| x_TravelXCDeadband_Uls_f32 | 11.6199999 |
| x_TravelXCHwAuthority_Uls_f32 | 0.202824995 |
| paraet DtrmpElanaedTime ms u22 ElanaedTime | 1316564736 |
| arget_DtrmnElapsedTime_mS_u32_ElapsedTime | |



| Name | Input Value | | |
|-----------------------------------------------------------------------------------------|-----------------------------------|----------------------|--------|
| target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTin | · · | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDe | eq f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg | | |
| target Rte Inst Ap VehDyn.VehDyn Per1 HwTorque HwNm f32 | target_VehDyn_Per1_HwTorque_HwN | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_M | _ | |
| target Rte Inst Ap VehDyn.VehDyn Per1 RelHwPos HwDeg f32 | target_VehDyn_Per1_RelHwPos_HwI | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target VehDyn Per1 SensorlessAuth | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwP | · | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc | target_VehDyn_Per1_SrlHwAgVld_Cr | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDe | g_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF | MtrNm_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc | target_VehDyn_Per1_VehicleSpeedVa | alid_Cnt_lgc | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_h | Cph_f32 | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -480.369995 | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 1121.35498 | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | 5.55999994 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | -147 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | -893.640015 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 1 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | -19.3700008 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | 8.19999981 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 1 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 398 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 0 | 0 | • |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 3039943680 | 3039943680 | • |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 0 | 0 | • |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -893.640015 | -893.640015 ± 0.0009 | • |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -893.640015 | -893.640015 ± 0.0009 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 164464918 | 164464918 | |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 1078320779 | 1078320779 | • |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -893.640015 | -893.640015 ± 0.0009 | • |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -893.640015 | -893.640015 ± 0.0009 | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 164464918 | 164464918 | • |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 1078320779 | 1078320779 | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -893.640015 | -893.640015 ± 0.0009 | • |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -893.640015 | -893.640015 ± 0.0009 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | • |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 | 1 | • |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | • |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | 1 | • |
| VehDyn_MaxOffset_HwDeg_M_f32 | 1132.93396 | 1132.93396 | • |
| VehDyn_MinOffset_HwDeg_M_f32 | 413.27002 | 413.269989 | • |
| VehDyn_PinTrqSV_M_str.SV_UIs_f32 | 17.7943058 | 17.7943077 ± 0.00009 | • |
| | 1029379840 | 1029379840 | • |
| VehDyn_SriHwAgVidTimer_mS_M_u32 | 10000000 | | |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 1 | 1 ± 0.004 | • |

| T | | | | ✓ |
|-------------------------------------------------------|-------|-------------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Rte Call VehDyn Per1 CP1 CheckpointReached | 1 | Rte Call VehDyn Per1 CP1 CheckpointReached | 1 | ~ |

| Test Step 2.184 (Repeat Count = 1) | ✓ |
|--------------------------------------|--------------------------------------------|
| Name | Input Value |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |



| Name | Input Value |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|
| GetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 120.099998 |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 246.100006 |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 16.1000004 |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 32.0999985 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 33198 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 7778 |
| VehDyn AutoCntrDetSpd M str.Timer1 mS u32 | 3174948758 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 3382212733 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1454.77002 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000867999974 |
| VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32 | -1454.77002 |
| /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000867999974 |
| /ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| | 0 |
| /ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| /ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | · · |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| /ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 10.1999998 |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 226.5 |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 8.19999981 |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 96 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 53970 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 52282 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 274107514 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 4004004656 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1454.77002 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000668000022 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1454.77002 |
| VehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32 | 0.000327999995 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 98.4000015 |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 88.4000015 |
| | 10.3999996 |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 52.4000015 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 38868 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 57944 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 274107514 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 255468 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1454.77002 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 6.64000036e-005 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1454.77002 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000867999974 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| /ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| /ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 1 |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | 298.149994 |
| /ehDyn_HiSpdLearnt_Cnt_M_lgc | 1 |
| VehDyn_Initialize_Cnt_M_lgc | 0 |
| /ehDyn_LoSpdLearnt_Cnt_M_lgc | 1 |
| /ehDyn MaxOffset HwDeg M f32 | 943.237976 |
| /ehDyn_MinOffset HwDeg_M_132 | -670.494019 |
| /ehDyn_PinTrqSV_M_str.SV_UIs_f32 | 7.80000019 |
| | 0.0043700001 |
| /ehDyn_PinTrqSV_M_str.K_Uls_f32 | |
| /ehDyn_SLPHwAuth_Uls_M_f32 | 0.861999989 |
| /ehDyn_SLPHwPos_HwDeg_M_f32 | -409.25 |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 824746752 |
| k_HiSpdVDAuthority_Uls_f32 | 0.40000006 |
| c_HwTqMgnThd_HwNm_f32 | 8.10000038 |
| k_LoSpdVDAuthority_Uls_f32 | 1 |
| k_SrlHwAgVldTiThd_mS_u32 | 987 |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 32.0999985 |
| k_TravelXCDeadband_Uls_f32 | 50.7599983 |
| TravelXCHwAuthority Uls f32 | 0.156275004 |
| k_HaveixCHWAuthonty_Ois_132 | |



| Name | Input Value | | |
|----------------------------------------------------------------------------------------------------------------------------|------------------------------------------|----------------------------------|----------|
| | 2075080192 | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi | | | |
| | 824746752 | | |
| | target_VehDyn_Per1_CcwEOT_HwDeg_f32 | | |
| | target VehDyn Per1 CwEOT HwDeg f32 | | |
| | target_VehDyn_Per1_HwTorque_HwNm_f32 | | |
| | target_VehDyn_Per1_MotorVelCRF_MtrRad | oS f32 | |
| | target_VehDyn_Per1_RelHwPos_HwDeg_f3. | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_L | lls_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_Hw | Deg_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_MtrN | m_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc | target_VehDyn_Per1_VehicleSpeedValid_Cr | nt_lgc | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph_f3 | 2 | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -718.25 | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 1332.97705 | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | 9 | | |
| | -759.549988 | | |
| | -1454.77002 | | |
| | 0 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | -409.25 | | |
| | 4.5999999 | | |
| | 1 | | |
| | 398.850006 | | |
| | Actual Value | Expected Value | Result |
| | 1 | 1 | |
| | 3174948758 | 3174948758 | ✓ |
| , = | 3382212733 | 3382212733 | |
| | -1454.77002 | -1454.77002 ± 0.009 | ✓ |
| | -1454.77002 | -1454.77002 ± 0.009 | _ |
| , | 0 | 0 | · |
| , = = = = = = = = = = = = = = = = = = = | 0 | 0 | |
| | 0 | 0 | ✓ |
| | 1 | 1 | _ |
| | 2075080192 | 2075080192 | ✓ |
| | 4004004656 | 4004004656 | _ |
| | -1454.77002 | -1454.77002 ± 0.009 | ✓ |
| | -1454.77002 | -1454.77002 ± 0.009 | _ |
| | 0 | 0 | ✓ |
| , | 1 | 1 | |
| , _ | 1 | 1 | <u> </u> |
| | 0 | 0 | |
| | 274107514 | 274107514 | _ |
| , = = = = = | 255468 | 255468 | |
| | -1454.77002 | -1454.77002 ± 0.009 | _ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1454.77002 | -1454.77002 ± 0.009 | |
| | 1 | 1 | <u> </u> |
| | 0 | 0 | |
| , = | 0 | 0 | |
| , = = = = = = = = = = = = = = = = = = = | 0 | 0 | |
| , = - = = = = = = = = = = = = = = = = = | 1 | 1 | |
| | 1 | 1 | |
| | 1 | 1 | |
| Vehillyn LoSndLearnt Cht Mildo | | 1332.97705 | |
| 1 - 1 | 1332 97705 | | ▼ |
| VehDyn_MaxOffset_HwDeg_M_f32 | 1332.97705 -718.25 | | |
| VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32 | -718.25 | -718.25 | ✓ |
| VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32 VehDyn_PinTrqSV_M_str.SV_Uls_f32 | -718.25 7.80058718 | -718.25 7.80058718 ± 0.000009 | * |
| VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32 VehDyn_PinTrqSV_M_str.SV_Uls_f32 VehDyn_SrlHwAgVldTimer_mS_M_u32 | -718.25 | -718.25 | V |

| T | | | | ✓ |
|----------------------------------------------------|-------|----------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ✓ |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |



| Test Step 2.185 (Repeat Count = 1) Name | Input Value |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|
| DtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| GetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedTime |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| /ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 |
| | |
| /ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 497.100006 |
| /ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 86.099985 |
| /ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 6.099999 |
| /ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 86.0999985 |
| /ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 43128 |
| /ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 3186 |
| ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 274107514 |
| ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 255468 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -833.309998 |
| /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000948000001 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -833.309998 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000948000001 |
| ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| /ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 98.8000031 |
| ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 76.099985 |
| ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 14.04 |
| /ehDyn AutoCntrHiSpd M str.CntrWindow HwDeg f32 | 96.4000015 |
| /ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 38868 |
| /ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 57944 |
| /ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 274107514 |
| ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 2345892860 |
| | -833.309998 |
| /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 0.000747999991 |
| /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | |
| /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 | -833.309998 |
| /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000487999991 |
| ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| /ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 98.5 |
| /ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 156.5 |
| /ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 3.5 |
| /ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 78.5 |
| /ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 34738 |
| /ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 36612 |
| /ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 274107514 |
| /ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 2345892860 |
| /ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -833.309998 |
| /ehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32 | 7.439999e-005 |
| /ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -833.309998 |
| /ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Ois_i32 | 0.000948000001 |
| enDyn_AutoCntrLoSpd_M_str.Filter1Enable Cnt_lgc | 1 |
| | 0 |
| ehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | |
| ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| ehDyn_ForceCenterEnabled_Cnt_M_lgc | 1 |
| ehDyn_ForceCenterOffset_HwDeg_M_f32 | 697.789978 |
| ehDyn_HiSpdLearnt_Cnt_M_lgc | 1 |
| ehDyn_Initialize_Cnt_M_lgc | 0 |
| ehDyn_LoSpdLearnt_Cnt_M_lgc | 1 |
| ehDyn_MaxOffset_HwDeg_M_f32 | 1142.91797 |
| ehDyn_MinOffset_HwDeg_M_f32 | -403.134003 |
| ehDyn_PinTrqSV_M_str.SV_UIs_f32 | 6.30000019 |
| ehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000476999994 |
| ehDyn_SLPHwAuth_Uls_M_f32 | 0.38999986 |
| ehDyn_SLPHwPos_HwDeg_M_f32 | 1.14999998 |
| ehDyn SrlHwAgVldTimer mS M u32 | 1662097408 |
| HiSpdVDAuthority Uls f32 | 0 |
| HwTgMgnThd HwNm f32 | 1.5 |
| LoSpdVDAuthority_Uls_f32 | 1 |
| | 951 |
| SrlHwAgVldTiThd_mS_u32 SysKinRatio_MtrDegpHwDeg_f32 | |
| | 1.10.10000004 |
| | 10.1000004 |



| Name | Input Value | | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|
| k TravelXCDeadband Uls f32 | Input Value 9.56000042 | | |
| k_TraveIXCHwAuthority_Uls_f32 | 0.205274999 | | |
| | 954802432 | | |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 2075080192 | | |
| target_GetSystemTime_mS_u32_CurrentTime | | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed | | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTim | | 20 | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f3 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRa | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_ | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_H | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAgVld_Cnt_Igc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgd | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f3 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_Mt | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc | target_VehDyn_Per1_VehicleSpeedValid_ | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph_ | 132 | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -467.850006 | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 1110.21704 | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | 6.67999983 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | -75.4400024 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | -833.309998 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 0 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | 1.14999998 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | 4.9000001 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 1 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 500 | | |
| Name | Actual Value | Expected Value | Res |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 | 1 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 274107514 | 274107514 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 255468 | 255468 | |
| | | | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -833.309998 | -833.309998 ± 0.0009 | |
| | -833.309998 -833.309998 | -833.309998 ± 0.0009 -833.309998 ± 0.0009 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | | | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -833.309998 | -833.309998 ± 0.0009 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | -833.309998 0 | -833.309998 ± 0.0009 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | -833.309998 0 0 | -833.309998 ± 0.0009 0 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | -833.309998 0 0 1 | -833.309998 ± 0.0009 0 0 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | -833.309998 0 0 1 | -833.309998 ± 0.0009 0 0 1 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | -833.309998 0 0 1 1 1 274107514 | -833.309998 ± 0.0009 0 0 1 1 274107514 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | -833.309998 0 0 1 1 274107514 2075080192 | -833.309998 ± 0.0009 0 0 1 1 274107514 2075080192 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -833.309998 0 0 1 1 274107514 2075080192 -833.309998 | -833.309998 ± 0.0009 0 0 1 1 1 274107514 2075080192 -833.309998 ± 0.0009 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -833.309998 0 0 1 1 274107514 2075080192 -833.309998 -833.309998 | -833.309998 ± 0.0009 0 1 1 274107514 2075080192 -833.309998 ± 0.0009 -833.309998 ± 0.0009 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFitt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFitt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | -833.309998 0 0 1 1 274107514 2075080192 -833.309998 -833.309998 | -833.309998 ± 0.0009 0 0 1 1 1 274107514 2075080192 -833.309998 ± 0.0009 -833.309998 ± 0.0009 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | -833.309998 0 0 1 1 274107514 2075080192 -833.309998 -833.309998 | -833.309998 ± 0.0009 0 1 1 274107514 2075080192 -833.309998 ± 0.0009 -833.309998 ± 0.0009 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFitt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFitt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | -833.309998 0 0 1 1 274107514 2075080192 -833.309998 -833.309998 1 | -833.309998 ± 0.0009 0 1 1 274107514 2075080192 -833.309998 ± 0.0009 -833.309998 ± 0.0009 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFitt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFitt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | -833.309998 0 0 1 1 1 274107514 2075080192 -833.309998 -833.309998 1 1 1 | -833.309998 ± 0.0009 0 1 1 274107514 2075080192 -833.309998 ± 0.0009 -833.309998 ± 0.0009 1 1 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFitt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFitt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | -833.309998 0 0 1 1 1 274107514 2075080192 -833.309998 -833.309998 1 1 1 1 274107514 2345892860 | -833.309998 ± 0.0009 0 1 1 274107514 2075080192 -833.309998 ± 0.0009 1 1 1 1 274107514 2345892860 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFitt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFitt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -833.309998 0 0 1 1 1 274107514 2075080192 -833.309998 -833.309998 1 1 1 1 274107514 2345892860 -833.309998 | -833.309998 ± 0.0009 0 1 1 274107514 2075080192 -833.309998 ± 0.0009 1 1 1 274107514 2345892860 -833.309998 ± 0.0009 | |
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| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFitt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFitt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc | -833.309998 0 0 1 1 1 274107514 2075080192 -833.309998 -833.309998 1 1 1 1 274107514 2345892860 -833.309998 -833.309998 1 0 0 0 1 1 1 | -833.309998 ± 0.0009 0 1 1 274107514 2075080192 -833.309998 ± 0.0009 1 1 1 274107514 2345892860 -833.309998 ± 0.0009 1 0 0 0 1 1 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFitt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFitt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_Initialize_Cnt_M_lgc | -833.309998 0 0 1 1 1 274107514 2075080192 -833.309998 -833.309998 1 1 1 1 274107514 2345892860 -833.309998 -833.309998 1 0 0 0 1 1 1 1 1 | -833.309998 ± 0.0009 0 1 1 274107514 2075080192 -833.309998 ± 0.0009 1 1 1 274107514 2345892860 -833.309998 ± 0.0009 -833.309998 ± 0.0009 1 0 0 0 1 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFitt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFitt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFitt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFitt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | -833.309998 0 0 1 1 1 274107514 2075080192 -833.309998 -833.309998 1 1 1 1 274107514 2345892860 -833.309998 -833.309998 1 0 0 0 1 1 1 1 1 11 11 11 11 11 | -833.309998 ± 0.0009 0 1 1 1 274107514 2075080192 -833.309998 ± 0.0009 1 1 1 1 274107514 2345892860 -833.309998 ± 0.0009 1 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFitt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFitt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32 | -833.309998 0 0 1 1 1 274107514 2075080192 -833.309998 -833.309998 1 1 1 1 274107514 2345892860 -833.309998 -833.309998 1 0 0 1 1 1 1 1 1 1 1110.21704 -467.850006 | -833.309998 ± 0.0009 0 1 1 1 274107514 2075080192 -833.309998 ± 0.0009 1 1 1 1 274107514 2345892860 -833.309998 ± 0.0009 1 0 0 1 1 1 1 1 1110.21704 -467.850006 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFitt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFitt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Ps_u32 VehDyn_AutoCntrLoSpd_M_str.Filter1Ps_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter32 VehDyn_AutoCntrLoSpd_M_str.Filter32 VehDyn_AutoCntrLoSpd_M_str.Filter32 VehDyn_AutoCntrLoSpd_M_str.Filter32 VehDyn_AutoCntrLoSpd_M_str.Filter32 VehDyn_AutoCntrLoSpd_M_str.Filter32 VehDyn_AutoCntrLoSpd_M_str.Filter32 | -833.309998 0 0 1 1 1 274107514 2075080192 -833.309998 -833.309998 1 1 1 1 274107514 2345892860 -833.309998 -833.309998 1 0 0 1 1 1 1 1 1110.21704 -467.850006 6.30041265 | -833.309998 ± 0.0009 0 1 1 1 274107514 2075080192 -833.309998 ± 0.0009 1 1 1 1 274107514 2345892860 -833.309998 ± 0.0009 1 0 0 1 1 1 1 1110.21704 -467.850006 6.30041265 ± 0.00009 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFitt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFitt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32 | -833.309998 0 0 1 1 1 274107514 2075080192 -833.309998 -833.309998 1 1 1 1 274107514 2345892860 -833.309998 -833.309998 1 0 0 1 1 1 1 1 1 1 1110.21704 -467.850006 | -833.309998 ± 0.0009 0 1 1 1 274107514 2075080192 -833.309998 ± 0.0009 1 1 1 1 274107514 2345892860 -833.309998 ± 0.0009 1 0 0 1 1 1 1 1 1110.21704 -467.850006 | |



| Τ | | | | ✓ |
|----------------------------------------------------|-------|----------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| DtrmnElapsedTime_mS_u32 | 1 | DtrmnElapsedTime_mS_u32 | 1 | • |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| DtrmnElapsedTime_mS_u32 | 1 | DtrmnElapsedTime_mS_u32 | 1 | • |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |

| est Step 2.186 (Repeat Count = 1) ame | Input Value |
|-------------------------------------------------------------------|--------------------------------------------------------------------------|
| trmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| etSystemTime mS u32(CurrentTime) | target GetSystemTime mS u32 CurrentTime |
| | |
| te_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| te_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| te_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 |
| ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 31.2999992 |
| ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 96.3000031 |
| ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 8.3000019 |
| ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 56.2999992 |
| ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 53759 |
| ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 30349 |
| ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 328928812 |
| ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 2553156835 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1124.05005 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000950000016 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1124.05005 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000950000016 |
| ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 66.5 |
| ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 86.5999985 |
| ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 12.0500002 |
| ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 45.5999985 |
| ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 53970 |
| ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 52282 |
| ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 328928812 |
| ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 2553156835 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1124.05005 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000750000007 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1124.05005 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000492000021 |
| ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_Igc | 0 |
| ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 66.5999985 |
| ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 126.599998 |
| ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 5.599999 |
| ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 96.5999985 |
| ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh mS u16 | 37799 |
| ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 41632 |
| ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 328928812 |
| ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 2553156835 |
| ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1124.05005 |
| enDyn_AutoChtrLoSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.Sv_Uis_i32 | 7.46000005e-005 |
| , = , = = = = = = = = = = = = = = = = = | |
| ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1124.05005 |
| ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000950000016 |
| ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| ehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| ehDyn_ForceCenterEnabled_Cnt_M_lgc | 1 |
| ehDyn_ForceCenterOffset_HwDeg_M_f32 | 797.700012 |
| ehDyn_HiSpdLearnt_Cnt_M_lgc | 1 |



| | | | -10-10 |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|-------------------------------------|--------|
| Name | Input Value | | |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 | | |
| VehDyn_MaxOffset_HwDeg_M_f32 | 1147.91003 | | |
| VehDyn_MinOffset_HwDeg_M_f32 | -396.450012 | | |
| VehDyn_PinTrqSV_M_str.SV_UIs_f32 | 15.1999998 | | |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000478000002 | | |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.370999992 | | |
| VehDyn_SLPHwPos_HwDeg_M_f32 | 11.4099998 | | |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 1186941824 | | |
| k_HiSpdVDAuthority_UIs_f32 | 0 | | |
| k_HwTqMgnThd_HwNm_f32 | 9.19999981 | | |
| k_LoSpdVDAuthority_Uls_f32 | 4856 | | |
| k_SrlHwAgVldTiThd_mS_u32 k_SysKinRatio_MtrDegpHwDeg_f32 | 25.2999992 | | |
| k_TravelXCDeadband_Uls_f32 | 8.52999973 | | |
| k_TraveIXCHwAuthority_Uls_f32 | 0.206499994 | | |
| target DtrmnElapsedTime mS u32 ElapsedTime | 2728878080 | | |
| target_GetSystemTime_mS_u32_CurrentTime | 954802432 | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTime_ms_u32_ElapsedTi | | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime | | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32 | target VehDyn Per1 CcwEOT HwDeg f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target VehDyn Per1 CwEOT HwDeg f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f3 | 2 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRad | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f3 | 32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_ | Jls_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_Hv | vDeg_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_Mtrl | \m_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc | target_VehDyn_Per1_VehicleSpeedValid_C | nt_lgc | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph_f3 | 32 | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -461.589996 | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 1104.64795 | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | 7.23999977 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | 154 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | -1124.05005 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 0 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | 11.4099998 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | -4.5 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 75 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | Actual Value | Expected Value | Popul |
| Name Veh Dun Alleud IS add Auto Cets Cat M. Isra | | Expected Value | Result |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 328928812 | 328928812 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 2553156835 | 2553156835 | |
| VehDyn_AutoCntrDetSpd_M_str.Hilletz_HiS_us2 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1124.05005 | -1124.05005 ± 0.009 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1124.05005 | -1124.05005 ± 0.009 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_Igc | 1 | 1 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_Igc | 0 | 0 | |
| VehDyn AutoCntrHiSpd M str.Timer1 mS u32 | 954802432 | 954802432 | • |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 2553156835 | 2553156835 | • |
| VehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32 | -1124.05005 | -1124.05005 ± 0.009 | • |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1124.05005 | -1124.05005 ± 0.009 | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 328928812 | 328928812 | • |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 2553156835 | 2553156835 | • |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1124.05005 | -1124.05005 ± 0.009 | • |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1124.05005 | -1124.05005 ± 0.009 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | • |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 | 1 | • |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | • |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 | 0 | • |
| VehDyn_MaxOffset_HwDeg_M_f32 | 1104.64795 | 1104.64795 | • |
| | | | |
| VehDyn_MinOffset_HwDeg_M_f32 VehDyn_PinTrqSV_M_str.SV_UIs_f32 | -461.589996 15.1961098 | -461.589996 15.1961098 ± 0.00009 | |



| Name | Actual Value | Expected Value | Result |
|------------------------------------------------------|--------------|----------------|----------|
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 1186941824 | 1186941824 | ✓ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 1 | 1 ± 0.004 | ~ |
| target VehDyn Per1 SensorlessHwPos HwDeg f32.value | -1600 | -1600 ± 0.1 | ✓ |

| Т | | | | V |
|-------------------------------------------------------|-------|-------------------------------------------------------|-------|--------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |

| ame | Input Value |
|-------------------------------------------------------------------|--------------------------------------------------------------------------|
| trmnElapsedTime_mS_u32(ElapsedTime) | |
| | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| etSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| te_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| te_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| te_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 |
| ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 290.299988 |
| ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 106.300003 |
| ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 10.3000002 |
| ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 54.2999992 |
| ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 13352 |
| ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 3277 |
| ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 383750110 |
| ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 2760420809 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -136.300003 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000951999973 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -136.300003 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000951999973 |
| ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 34.2999992 |
| ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 96.8000031 |
| ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 10.0500002 |
| ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 78.5 |
| ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 20423 |
| ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 31368 |
| ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 383750110 |
| ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 2760420809 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -136.300003 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000752000022 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -136.300003 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000495999993 |
| ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_Igc | 1 |
| ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 34.0999985 |
| ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 136.100006 |
| ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 1.10000002 |
| ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 32.0999985 |
| ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 26195 |
| ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 22037 |
| ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 383750110 |
| ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 2760420809 |
| ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -136.300003 |
| ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 7.4800002e-005 |
| ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -136.300003 |
| ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000951999973 |
| ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| ehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| ehDyn ForceCenterEnabled Cnt M lgc | 1 |
| ehDyn ForceCenterOffset HwDeg M f32 | 897.609985 |



| Name | Input Value |
|---------------------------------|-------------|
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 |
| VehDyn_Initialize_Cnt_M_lgc | 1 |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 |
| VehDyn_MaxOffset_HwDeg_M_f32 | 1152.90198 |
| VehDyn_MinOffset_HwDeg_M_f32 | -389.765991 |
| VehDyn_PinTrqSV_M_i .SV_ I _f32 | |



| Name | Actual Value | Expected Value | Result |
|------------------------------------------------------|--------------|---------------------|----------|
| VehDyn_MinOffset_HwDeg_M_f32 | -319.029968 | -319.029999 | ✓ |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 13.997057 | 13.997057 ± 0.00009 | ✓ |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 2127166208 | 2127166208 | ✓ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 1 | 1 ± 0.004 | ✓ |
| target VehDyn Per1 SensorlessHwPos HwDeg f32.value | -1033.91003 | -1033.91003 ± 0.1 | ✓ |

| T | | | | ✓ |
|----------------------------------------------------|-------|----------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |

| lame | Innut Value |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|
| | Input Value |
| htmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| SetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| tte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| tte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| tte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 |
| ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 200.600006 |
| ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 52.5999985 |
| ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 14.6000004 |
| ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 63.5999985 |
| ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 53970 |
| ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 58869 |
| ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 1024 |
| ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 54822322 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -444.839996 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000961999991 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -444.839996 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000961999991 |
| ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| /ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| /ehDyn AutoCntrDetSpd M str.Filter2Initialized Cnt lgc | 1 |
| /ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 159.300003 |
| 'ehDyn AutoCntrHiSpd M str.VehSpd kph f32 | 68.8000031 |
| /ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 16.7999992 |
| /ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 86.599985 |
| 'ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 12258 |
| /ehDyn AutoCntrHiSpd M str.Timer2Thresh mS u16 | 36416 |
| ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 1024 |
| /ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 54822322 |
| ehbyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -444.839996 |
| | |
| /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000761999981 |
| /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -444.839996 |
| /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000515999971 |
| /ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| /ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| /ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| /ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 412.5 |
| ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 106.5 |
| ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 10.5 |
| ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 12.5 |
| ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 13352 |
| ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 14442 |
| ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 1024 |
| ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 54822322 |
| ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -444.839996 |
| ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 7.58000024e-005 |
| ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -444.839996 |
| ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000961999991 |
| /ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| /ehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| /ehDyn AutoCntrLoSpd M str.Filter2Initialized Cnt Igc | 0 |



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|---------------------------------------------------------------------------------------------------------------|------------------------------------------|----------------------|--------|
| Name | Input Value | | |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 1 | | |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | 997.52002 | | |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 | | |
| VehDyn_Initialize_Cnt_M_lgc | 1 | | |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 | | |
| VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32 | -1157.89404 12.3000002 | | |
| VehDyn_PinTrqSV_M_str.SV_UIs_f32 | 1.5 | | |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000483999989 | | |
| VehDyn SLPHwAuth Uls M f32 | 0.333000004 | | |
| VehDyn_SLPHwPos_HwDeg_M_f32 | 31.9300003 | | |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 4243378688 | | |
| k_HiSpdVDAuthority_Uls_f32 | 0.899999976 | | |
| k_HwTqMgnThd_HwNm_f32 | 1.10000002 | | |
| k_LoSpdVDAuthority_Uls_f32 | 1 | | |
| k_SrlHwAgVldTiThd_mS_u32 | 70 | | |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 63.2000008 | | |
| k_TravelXCDeadband_Uls_f32 | 6.46999979 | | |
| k_TraveIXCHwAuthority_UIs_f32 | 0.208949998 | | |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 3304439296 | | |
| target_GetSystemTime_mS_u32_CurrentTime target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedT | 824746752 | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime | | | |
| target Rte Inst Ap VehDyn.VehDyn Per1 CcwEOT HwDeg f32 | target VehDyn Per1 CcwEOT HwDeg f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 | | |
| target Rte Inst Ap VehDyn.VehDyn Per1 HwTorque HwNm f32 | target_VehDyn_Per1_HwTorque_HwNm_f32 | 2 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRad | | |
| target_Rte_Inst_Ap_VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f3: | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_U | Jls_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_Hw | /Deg_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_MtrN | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc | target_VehDyn_Per1_VehicleSpeedValid_Cr | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph_f3: | 2 | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -449.070007 1093.51001 | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value | 8.35999966 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | -456 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | -444.839996 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 1 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | 31.9300003 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | -4.5999999 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 0 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 230 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 | 1 | - |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 1024 | 1024 | • |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 54822322 | 54822322 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -444.839996 | -444.839996 ± 0.0009 | - |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -444.839996 | -444.839996 ± 0.0009 | _ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | · · |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | |
| VehDyn AutoCntrHiSpd M str.Timer1 mS u32 | 824746752 | 824746752 | |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 54822322 | 54822322 | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -444.839996 | -444.839996 ± 0.0009 | - |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -444.839996 | -444.839996 ± 0.0009 | - |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 1024 | 1024 | - |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 54822322 | 54822322 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -444.839996 | -444.839996 ± 0.0009 | • |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -444.839996 | -444.839996 ± 0.0009 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrl_cSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrl_oSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 | 1 | |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | |
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| Name | Actual Value | Expected Value | Result |
|------------------------------------------------------|--------------|-----------------------|----------|
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 | 0 | ✓ |
| VehDyn_MaxOffset_HwDeg_M_f32 | -1157.89404 | -1157.89404 | ✓ |
| VehDyn_MinOffset_HwDeg_M_f32 | 12.3000002 | 12.3000002 | ✓ |
| VehDyn_PinTrqSV_M_str.SV_UIs_f32 | 1.50328505 | 1.50328505 ± 0.000009 | ✓ |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 4243378688 | 4243378688 | ✓ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 1 | 1 ± 0.004 | ✓ |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | -1442.35999 | -1442.35999 ± 0.1 | ~ |

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|----------------------------------------------------|-------|----------------------------------------------------|-------|----------|--|
| Actual Function | Count | Expected Function | Count | Result | |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ | |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | • | |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | • | |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ✓ | |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ | |

| Name Name | Input Value |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|
| OtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| GetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedTime |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| /ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 |
| /ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 604.099976 |
| ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 116.099998 |
| ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 12.1000004 |
| ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 85.099985 |
| ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 21364 |
| /ehDyn AutoCntrDetSpd M str.Timer2Thresh mS u16 | 22497 |
| /ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 2967684784 |
| /ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 2967684784 |
| /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -480.880005 |
| /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000953999988 |
| /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -480.880005 |
| /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.Sv_ois_i32 | 0.000953999988 |
| /ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| /ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| /ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| /ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| /ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 2.25 |
| /ehDyn AutoCntrHiSpd M str.VehSpd kph f32 | 106.699997 |
| /ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 2.25 |
| /ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 96.8000031 |
| /ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 7034 |
| /ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 39056 |
| /ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 2967684784 |
| /ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 2967684784 |
| /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -480.880005 |
| /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000753999979 |
| /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -480.880005 |
| /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 | 0.000500000024 |
| /ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| /ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 2.20000005 |
| ehDyn_AutoCntrLoSpd_wi_str.WitVer_witrKaup3_132 | 146.199997 |
| /ehDyn_AutoCntrLoSpd_M_str.FiltPinTrg_HwNm_f32 | 7.1999981 |
| ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 52.2000008 |
| ehDyn AutoCntrLoSpd M str.Timer1Thresh mS u16 | 43190 |
| ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 3186 |
| ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 2967684784 |
| ehbyn_AutoCntrLoSpd_M_str.Timer1_m3_u32 | 2967684784 |
| /ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -480.880005 |
| /ehDyn_AutoCntrLoSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.Sv_ois_is2 | 7.50000036e-005 |
| /ehDyn_AutoCntrLoSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -480.880005 |
| /ehDyn_AutoCntrLoSpd_M_str.ReiHwPosFilt2SV_HwDeg_str.Sv_Uis_f32 | 0.0095399988 |
| /ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0.000933999900 |
| Chayri_AutoOntiteOopu_ivi_str.i liter rendble_Officigo | • |



| Name | Input Value | | |
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| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | | |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 0 | | |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | 1097.43005 | | |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 | | |
| VehDyn_Initialize_Cnt_M_lgc | 0 | | |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 1162.88599 | | |
| VehDyn_MixOffset_HwDeg_M_f32 | -376.39801 | | |
| VehDyn_MinOffset_HwDeg_M_f32 VehDyn_PinTrqSV_M_str.SV_UIs_f32 | 8.8999962 | | |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000479999988 | | |
| VehDyn SLPHwAuth Uls M f32 | 0.31400001 | | |
| VehDyn_SLPHwPos_HwDeg_M_f32 | 42.1899986 | | |
| VehDyn SrlHwAgVldTimer mS M u32 | 1050692864 | | |
| k_HiSpdVDAuthority_UIs_f32 | 0 | | |
| k HwTqMgnThd HwNm f32 | 1.20000005 | | |
| k_LoSpdVDAuthority_UIs_f32 | 0 | | |
| k_SrlHwAgVldTiThd_mS_u32 | 456 | | |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 56.0999985 | | |
| k_TravelXCDeadband_Uls_f32 | 5.44000006 | | |
| k_TraveIXCHwAuthority_Uls_f32 | 0.210174993 | | |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 309385728 | | |
| target_GetSystemTime_mS_u32_CurrentTime | 824746752 | | |
| $target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_Elapsed$ | 1736795392 | | |
| $target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTim$ | 1050692864 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRad | pS_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f3 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_L | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_Hw | /Deg_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 | 400 | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_MtrN | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc | target_VehDyn_Per1_VehicleSpeedValid_Cr | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph_f3442.809998 | 2 | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 1087.94104 | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | 8.92000008 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | -759.549988 | | |
| target VehDyn Per1 RelHwPos HwDeg f32.value | -480.880005 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 0 | | |
| target VehDyn Per1 SrlHwAg HwDeg f32.value | 42.1899986 | | |
| target VehDyn Per1 TorqueCmdCRF MtrNm f32.value | 7.9000001 | | |
| target VehDyn Per1 VehicleSpeedValid Cnt Igc.value | 0 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 87 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 | 1 | - |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 2967684784 | 2967684784 | • |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 2967684784 | 2967684784 | - |
| VehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32 | -480.880005 | -480.880005 ± 0.0009 | • |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -480.880005 | -480.880005 ± 0.0009 | - |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 4 | 1 | • |
| | 1 | l • | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | - |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | | | • |
| | 1 | 1 | \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 0 | 1 0 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 0 0 | 1 0 0 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 1 0 0 824746752 | 1 0 0 824746752 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 1 0 0 824746752 2967684784 | 1 0 0 824746752 2967684784 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1 0 0 824746752 2967684784 -480.880005 -480.880005 0 | 1 0 0 824746752 2967684784 -480.880005 ± 0.0009 | *** |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1 0 0 824746752 2967684784 -480.880005 -480.880005 0 | 1 0 0 824746752 2967684784 -480.880005 ± 0.0009 0 0 | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1 0 0 824746752 2967684784 -480.880005 -480.880005 0 | 1 0 0 824746752 2967684784 -480.880005 ± 0.0009 0 | \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 0 0 824746752 2967684784 -480.880005 -480.880005 0 | 1 0 0 824746752 2967684784 -480.880005 ± 0.0009 0 0 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 0 0 824746752 2967684784 -480.880005 -480.880005 0 | 1 0 0 824746752 2967684784 -480.880005 ± 0.0009 0 0 0 | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 0 0 824746752 2967684784 -480.880005 -480.880005 0 0 | 1 0 0 824746752 2967684784 -480.880005 ± 0.0009 0 0 0 1 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 0 0 824746752 2967684784 -480.880005 -480.880005 0 0 1 824746752 | 1 0 0 0 824746752 2967684784 -480.880005 ± 0.0009 0 0 0 1 824746752 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1 0 0 824746752 2967684784 -480.880005 -480.880005 0 0 1 824746752 2967684784 -480.880005 -480.880005 | 1 0 0 0 824746752 2967684784 -480.880005 ± 0.0009 0 0 0 1 824746752 2967684784 480.880005 ± 0.0009 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 0 0 824746752 2967684784 -480.880005 -480.880005 0 0 1 824746752 2967684784 -480.880005 -480.880005 0 0 | 1 0 0 0 824746752 2967684784 -480.880005 ± 0.0009 0 0 0 1 824746752 2967684784 -480.880005 ± 0.0009 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 0 0 824746752 2967684784 -480.880005 -480.880005 0 0 1 824746752 2967684784 -480.880005 -480.880005 0 1 | 1 0 0 0 824746752 2967684784 -480.880005 ± 0.0009 0 0 0 1 824746752 2967684784 -480.880005 ± 0.0009 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 0 0 824746752 2967684784 -480.880005 -480.880005 0 0 1 824746752 2967684784 -480.880005 -480.880005 0 0 | 1 0 0 0 824746752 2967684784 -480.880005 ± 0.0009 0 0 0 1 824746752 2967684784 -480.880005 ± 0.0009 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | |



| Name | Actual Value | Expected Value | Result |
|------------------------------------------------------|--------------|-----------------------|--------|
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 | 0 | ~ |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_MaxOffset_HwDeg_M_f32 | 1087.94104 | 1087.94104 | ~ |
| VehDyn_MinOffset_HwDeg_M_f32 | -442.809998 | -442.809998 | • |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 8.90007687 | 8.90007687 ± 0.000009 | • |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 1050692864 | 1050692864 | • |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 0.31400001 | 0.31400001 ± 0.004 | ~ |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | -438.690002 | -438.690002 ± 0.1 | ~ |

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| Name | Input Value | | |
|------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|----------------------------------------------------------|----------|
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 710.950012 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000956000003 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | | |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 1 | | |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | 1197.33997 | | |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 | | |
| VehDyn_Initialize_Cnt_M_lgc | 0 | | |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | | |
| VehDyn_MaxOffset_HwDeg_M_f32 | -1167.87805 | | |
| VehDyn_MinOffset_HwDeg_M_f32 | -369.713989 | | |
| VehDyn_PinTrqSV_M_str.SV_UIs_f32 | 13.8999996 | | |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000480999995 | | |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.294999987 | | |
| VehDyn_SLPHwPos_HwDeg_M_f32 | 52.4500008 | | |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 3039943680 | | |
| k_HiSpdVDAuthority_Uls_f32 | 1 | | |
| k_HwTqMgnThd_HwNm_f32 | 6.5 | | |
| k_LoSpdVDAuthority_Uls_f32 | 1 | | |
| k_SrlHwAgVIdTiThd_mS_u32 | 3229 | | |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 54.0999985 4.40999985 | | |
| k_TravelXCDeadband_Uls_f32 k TravelXCHwAuthority Uls f32 | 0.211400002 | | |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 4164171008 | | |
| target_GetSystemTime_mS_u32_CurrentTime | 309385728 | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedT | | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime | | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32 | target VehDyn Per1 CcwEOT HwDeg f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f32 | 2 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRad | | |
| target Rte Inst Ap VehDyn.VehDyn Per1 RelHwPos HwDeg f32 | target VehDyn Per1 RelHwPos HwDeg f3 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_U | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_Hv | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc | <u> </u> | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_MtrN | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc | target_VehDyn_Per1_VehicleSpeedValid_C | nt_lgc | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph_f3 | 32 | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -436.549988 | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 1082.37195 | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | 9.47999954 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | -835 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | 710.950012 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 0 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | 52.4500008 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | -1.79999995 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc.value | 1 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 127.450996 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 309385728 | 309385728 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 3174948758 | 3174948758 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 710.950012 | 710.950012 ± 0.0009 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 710.950012 | 710.950012 ± 0.0009 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 3174948758 | 3174948758 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 3174948758 | 3174948758 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 710.950012 | 710.950012 ± 0.0009 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 710.950012 | 710.950012 ± 0.0009 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | * |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 309385728 | 309385728 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 0.474040750 | | |
| | 3174948758 | 3174948758 | · · |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 3174948758 710.950012 710.950012 | 3174948758 710.950012 ± 0.0009 710.950012 ± 0.0009 | Y |



| Name | Actual Value | Expected Value | Result |
|-------------------------------------------------------|--------------|----------------------|----------|
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 | 0 | ~ |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | 1 | ✓ |
| VehDyn_MaxOffset_HwDeg_M_f32 | 1082.37195 | 1082.37195 | ~ |
| VehDyn_MinOffset_HwDeg_M_f32 | -436.549988 | -436.549988 | ✓ |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 13.8978577 | 13.8978577 ± 0.00009 | ~ |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 3039943680 | 3039943680 | ✓ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 1 | 1 ± 0.004 | ~ |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | -486.389954 | -486.390015 ± 0.1 | • |

| Τ | T ✓ | | | | |
|----------------------------------------------------|-------|----------------------------------------------------|-------|----------|--|
| Actual Function | Count | Expected Function | Count | Result | |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ | |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | ~ | |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ | |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ | |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ | |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ | |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | • | |

| lame | Input Value |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|
| OtrmnElapsedTime mS u32(ElapsedTime) | target DtrmnElapsedTime mS u32 ElapsedTime |
| GetSystemTime mS u32(CurrentTime) | target GetSystemTime mS u32 CurrentTime |
| Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32(ElapsedTime) | target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedTime |
| Rte Call Ap VehDyn SystemTime GetSystemTime mS u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| Rte Inst Ap VehDyn | target Rte Inst Ap VehDyn |
| /ehDyn AllowHiSpdAutoCntr Cnt M Igc | 1 |
| /ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 200.399994 |
| /ehDyn_AutoCntrDetSpd_wi_str.WitVet_MitRaupS_i52 | 52.4000015 |
| /ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 14.3999996 |
| · - · · | 63.400015 |
| /ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | |
| /ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 53970 |
| /ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 58869 |
| /ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 1024 |
| /ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 54822322 |
| /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -714.090027 |
| /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000961999991 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -714.090027 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000961999991 |
| /ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| /ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 159 |
| ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 68.3000031 |
| ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 16.7999992 |
| ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 86 |
| ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 12258 |
| /ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 36416 |
| /ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 1024 |
| /ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 54822322 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -714.090027 |
| /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000761999981 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -714.090027 |
| /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000515999971 |
| /ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| /ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1. |
| /ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| /ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| /ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 412.700012 |
| /ehDyn AutoCntrLoSpd M str.VehSpd kph f32 | 106.699997 |
| /ehDyn AutoCntrLoSpd M str.FiltPinTrg HwNm f32 | 10.6999998 |
| /ehDyn AutoCntrLoSpd M str.CntrWindow HwDeg f32 | 12.6999998 |
| /ehDyn AutoCntrLoSpd M str.Timer1Thresh mS u16 | 13352 |
| /ehDyn AutoCntrLoSpd M str.Timer2Thresh mS u16 | 14442 |



| | | • | |
|---------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------------------|----------|
| Name | Input Value | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 1024 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 54822322 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -714.090027 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 7.58000024e-005 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -714.090027 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000961999991 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_ForceCenterEnabled_Cnt_M_lgc | 0 | | |
| VehDyn ForceCenterOffset HwDeq M f32 | 1297.25 | | |
| VehDyn HiSpdLearnt Cnt M Igc | 0 | | |
| VehDyn_Initialize_Cnt_M_lgc | 1 | | |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | | |
| VehDyn MaxOffset HwDeg M f32 | 1172.87 | | |
| VehDyn_MinOffset_HwDeg_M_f32 | -363.029999 | | |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 1.5 | | |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000483999989 | | |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.275999993 | | |
| VehDyn_SLPHwPos_HwDeg_M_f32 | 62.7099991 | | |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 1316564736 | | |
| k_HiSpdVDAuthority_Uls_f32 | 0 | | |
| k_HwTqMgnThd_HwNm_f32 | 0.00120000006 | | |
| k_LoSpdVDAuthority_Uls_f32 | 0.899999976 | | |
| k_SrlHwAgVldTiThd_mS_u32 | 987 | | |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 63.3199997 | | |
| k_TravelXCDeadband_Uls_f32 | 3.38000011 | | |
| k_TravelXCHwAuthority_Uls_f32 | 0.212624997 | | |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 3304439296 | | |
| target_GetSystemTime_mS_u32_CurrentTime | 824746752 | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedT | | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime | | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_HwTorque_HwNm_f32 target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f3. | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_L | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_Hw | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc | 0_ | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_MtrN | m_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc | target_VehDyn_Per1_VehicleSpeedValid_Cr | nt_lgc | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph_f3. | 2 | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -430.290009 | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 1076.80298 | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | -1.11000001 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | -456 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | -714.090027 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 1 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | 62.7099991 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | -4.5999999 | | |
| target_VehDyn_Per1_VehicleSpeed.Valid_Cnt_lgc.value | 230 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | | Expected Value | Dogult |
| Name | Actual Value | Expected Value | Result |
| VehDyn_AltoCntrDetSed_M_etr_Timer1_mS_u22 | 1 1024 | 1 1024 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 54822322 | 54822322 | - |
| VehDyn AutoCntrDetSpd_M_str.RelHwPosFilt1SV HwDeg str.SV Uls f32 | -714.090027 | -714.090027 ± 0.0009 | - |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.Sv_Uls_f32 | -714.090027 | -714.090027 ± 0.0009 | |
| VehDyn AutoCntrDetSpd M str.Filter1Enable Cnt lgc | 0 | 0 | - |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | - |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | - |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 824746752 | 824746752 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 54822322 | 54822322 | • |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -714.090027 | -714.090027 ± 0.0009 | • |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -714.090027 | -714.090027 ± 0.0009 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ✓ |



| Name | Actual Value | Expected Value | Result |
|-----------------------------------------------------------------|--------------|-----------------------|--------|
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 824746752 | 824746752 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 54822322 | 54822322 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -714.090027 | -714.090027 ± 0.0009 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -714.090027 | -714.090027 ± 0.0009 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_MaxOffset_HwDeg_M_f32 | 1172.87 | 1172.87 | ~ |
| VehDyn_MinOffset_HwDeg_M_f32 | 283.800018 | 283.799988 | ~ |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 1.49870157 | 1.49870157 ± 0.000009 | • |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 1316564736 | 1316564736 | ~ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 0.275999993 | 0.275999993 ± 0.004 | ~ |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | -651.380005 | -651.380005 ± 0.1 | ~ |

| Т | | | | ✓ |
|----------------------------------------------------|-------|----------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | • |

| lame | Input Value |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|
| OtrmnElapsedTime mS u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| SetSystemTime mS u32(CurrentTime) | target GetSystemTime mS u32 CurrentTime |
| Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32(ElapsedTime) | target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedTime |
| Rte Call Ap VehDyn SystemTime GetSystemTime mS u32(CurrentTime) | target Rte Call Ap VehDyn SystemTime GetSystemTime mS u32 CurrentTime |
| Rte Inst Ap VehDyn | target Rte Inst Ap VehDyn |
| /ehDyn AllowHiSpdAutoCntr Cnt M Igc | 0 |
| /ehDyn AutoCntrDetSpd M str.MtrVel MtrRadpS f32 | 554.099976 |
| /ehDyn AutoCntrDetSpd M str.VehSpd kph f32 | 84.099985 |
| 'ehDyn AutoCntrDetSpd M str.FiltPinTrg HwNm f32 | 4.0999999 |
| ehDyn AutoCntrDetSpd M str.CntrWindow HwDeg f32 | 52.099985 |
| ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 2291 |
| /ehDyn AutoCntrDetSpd M str.Timer2Thresh mS u16 | 7778 |
| 'ehDyn AutoCntrDetSpd M str.Timer1 mS u32 | 4004004656 |
| ehDyn AutoCntrDetSpd M str.Timer2 mS u32 | 4211268631 |
| 'ehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32 | 110.5 |
| ehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32 | 0.000958000019 |
| ehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32 | 110.5 |
| ehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32 | 0.000958000019 |
| ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 456 |
| ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 35.7999992 |
| ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 14.3999996 |
| ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 75.4499969 |
| ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 33198 |
| ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 7778 |
| ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 4004004656 |
| ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 4211268631 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 110.5 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000758000009 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 110.5 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000508000026 |
| ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1. |
| ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 456.799988 |
| ehDyn AutoCntrLoSpd M str.VehSpd kph f32 | 86.8000031 |



| Name | Input Value | | |
|---------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|--------------------------|----------|
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 6.80000019 | | |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 86.8000031 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 5235 | | |
| VehDyn_AutoCntrl.oSpd_M_str.Timer2Thresh_mS_u16 | 27074 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 4004004656 4211268631 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_nis_us2 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 110.5 | | |
| VehDyn_AutoCntrLoSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.X_Uls_f32 | 7.53999993e-005 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 110.5 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 | 0.000958000019 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_Igc | 1 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | | |
| VehDyn AutoCntrLoSpd M str.Filter2Initialized Cnt Igc | 0 | | |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 0 | | |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | 1397.16003 | | |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 | | |
| VehDyn_Initialize_Cnt_M_lgc | 1 | | |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 | | |
| VehDyn_MaxOffset_HwDeg_M_f32 | 1177.86206 | | |
| VehDyn_MinOffset_HwDeg_M_f32 | -369.75 | | |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | -5.4000001 | | |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000482000003 | | |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.256999999 | | |
| VehDyn_SLPHwPos_HwDeg_M_f32 | 72.9700012 | | |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 2075080192 | | |
| k_HiSpdVDAuthority_Uls_f32 | 0 | | |
| k_HwTqMgnThd_HwNm_f32 | 1.10000002 | | |
| k_LoSpdVDAuthority_Uls_f32 | 1 | | |
| k_SrlHwAgVldTiThd_mS_u32 | 16445 | | |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 54.2999992 | | |
| k_TravelXCDeadband_Uls_f32 | 2.3499999 | | |
| k_TravelXCHwAuthority_Uls_f32 | 0.213850006 | | |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 437658624 | | |
| target_GetSystemTime_mS_u32_CurrentTime | 954802432 | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedT | | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 | 0 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRad | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f3 | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessAuthority_UIs_f32 | target_VehDyn_Per1_SensorlessAuthority_U | _ | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_Hv target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc | vDeg_132 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target VehDyn Per1 SrlHwAg HwDeg f32 | | |
| target_Rte_Inst_Ap_venDyn.VenDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_MtrN | | |
| target Rte Inst Ap VehDyn.VehDyn Per1 VehicleSpeedValid Cnt Igc | target VehDyn Per1 VehicleSpeedValid Ci | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph_f3 | | |
| target VehDyn Per1 CcwEOT HwDeg f32.value | -424.029999 |) <u>C</u> | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 1071.23401 | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | -1.22000003 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | -835.109985 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | 110.5 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 1 | | |
| target VehDyn Per1 SrlHwAg HwDeg f32.value | 72.9700012 | | |
| target VehDyn Per1 TorqueCmdCRF MtrNm f32.value | 1.29999995 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 0 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 499.220001 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn AllowHiSpdAutoCntr Cnt M lgc | 0 | 0 | . iosuli |
| VehDyn AutoCntrDetSpd M str.Timer1 mS u32 | 4004004656 | 4004004656 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 4211268631 | 4211268631 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 110.5 | 110.5 ± 0.0009 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 110.5 | 110.5 ± 0.0009 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | |
| | 1 | 1 | |
| VehDyn AutoCntrDetSpd M str.Filter2Initialized Cnt lac | 1 | | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 4004004656 | 4004004656 | • |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | | 4004004656 4211268631 | - |
| | 4004004656 | | |



| Name | Actual Value | Expected Value | Result |
|-----------------------------------------------------------------|--------------|------------------------|--------|
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 4004004656 | 4004004656 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 4211268631 | 4211268631 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 110.5 | 110.5 ± 0.0009 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 110.5 | 110.5 ± 0.0009 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | • |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 | 0 | • |
| VehDyn_MaxOffset_HwDeg_M_f32 | 960.734009 | 960.734009 | • |
| VehDyn_MinOffset_HwDeg_M_f32 | -369.75 | -369.75 | ~ |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | -5.39797401 | -5.39797354 ± 0.000009 | ~ |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 2075080192 | 2075080192 | ~ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 0.256999999 | 0.256999999 ± 0.004 | ~ |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | 183.470001 | 183.470001 ± 0.1 | ~ |

| T | | | | ✓ |
|----------------------------------------------------|-------|----------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | ✓ |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |

| lame | Input Value |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|
| OtrmnElapsedTime mS u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| GetSystemTime mS u32(CurrentTime) | target GetSystemTime mS u32 CurrentTime |
| Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32(ElapsedTime) | target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedTime |
| Rte Call Ap VehDyn SystemTime GetSystemTime mS u32(CurrentTime) | target Rte Call Ap VehDyn SystemTime GetSystemTime mS u32 CurrentTime |
| Rte Inst Ap VehDyn | target Rte Inst Ap VehDyn |
| /ehDyn AllowHiSpdAutoCntr Cnt M Igc | 1 |
| /ehDyn AutoCntrDetSpd M str.MtrVel MtrRadpS f32 | 600.200012 |
| 'ehDyn AutoCntrDetSpd M str.VehSpd kph f32 | 64.199969 |
| ehDyn AutoCntrDetSpd M str.FiltPinTrg HwNm f32 | 16.2000008 |
| ehDyn AutoCntrDetSpd M str.CntrWindow HwDeg f32 | 41.2000008 |
| ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 38868 |
| ehDyn AutoCntrDetSpd M str.Timer2Thresh mS u16 | 38708 |
| 'ehDyn AutoCntrDetSpd M str.Timer1 mS u32 | 4211268631 |
| ehDyn AutoCntrDetSpd M str.Timer2 mS u32 | 2160073393 |
| ehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32 | -1014.73999 |
| ehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32 | 0.000959999976 |
| ehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32 | -1014.73999 |
| ehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32 | 0.000959999976 |
| ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 566.799988 |
| ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 75.5 |
| ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 18.7999992 |
| ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 97 |
| ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 21335 |
| ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 34188 |
| ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 4211268631 |
| ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 2160073393 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1014.73999 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000760000024 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1014.73999 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000511999999 |
| ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 566.900024 |
| /ehDyn AutoCntrLoSpd M str.VehSpd kph f32 | 96.9000015 |



| Name | Input Value | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|---------------------|------|
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 8.89999962 | | |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 42.9000015 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 53759 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 18715 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 4211268631 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 2160073393 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1014.73999 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 7.56000009e-005 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1014.73999 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000959999976 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | | |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 1 | | |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | 1497.06995 | | |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 | | |
| VehDyn_Initialize_Cnt_M_lgc | 1 | | |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1182.854 | | |
| VehDyn_MaxOffset_HwDeg_M_f32 VehDyn MinOffset HwDeg M f32 | -376.470001 | | |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 7.5999999 | | |
| VehDyn PinTrqSV M str.K Uls f32 | 0.000483000011 | | |
| VehDyn SLPHwAuth Uls M f32 | 0.238000005 | | |
| VehDyn_SLPHwPos_HwDeg_M_f32 | 83.2300034 | | |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 1640834048 | | |
| k_HiSpdVDAuthority_Uls_f32 | 1 | | |
| k HwTqMgnThd HwNm f32 | 2.0999999 | | |
| k_LoSpdVDAuthority_Uls_f32 | 0 | | |
| k_SrlHwAgVldTiThd_mS_u32 | 32 | | |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 41.0999985 | | |
| k_TravelXCDeadband_Uls_f32 | 1.32000005 | | |
| k_TravelXCHwAuthority_Uls_f32 | 0.215075001 | | |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 3941357312 | | |
| target_GetSystemTime_mS_u32_CurrentTime | 2728878080 | | |
| $target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_Elapsed$ | dTi 1759885568 | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_ | 954802432 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f3 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_ | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrF | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_ | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lo | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_M | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc | target_VehDyn_Per1_VehicleSpeedValid_ target_VehDyn_Per1_VehicleSpeed_Kph | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | -417.769989 | _132 | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 1065.66504 | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | -1.33000004 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | -835.440002 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | -1014.73999 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 0 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | 83.2300034 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | 5.5999999 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 1 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 120.410004 | | |
| Name | Actual Value | Expected Value | Resu |
| VehDyn AllowHiSpdAutoCntr Cnt M Igc | 1 | 1 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 4211268631 | 4211268631 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 2160073393 | 2160073393 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1014.73999 | -1014.73999 ± 0.009 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1014.73999 | -1014.73999 ± 0.009 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 2728878080 | 2728878080 | • |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 2160073393 | 2160073393 | • |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1014.73999 | -1014.73999 ± 0.009 | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1014.73999 | -1014.73999 ± 0.009 | |
| | | | |



| Name | Actual Value | Expected Value | Result |
|-----------------------------------------------------------------|--------------|-----------------------|----------|
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 2728878080 | 2728878080 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 2160073393 | 2160073393 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1014.73999 | -1014.73999 ± 0.009 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1014.73999 | -1014.73999 ± 0.009 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 | 0 | ✓ |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | 1 | ✓ |
| VehDyn_MaxOffset_HwDeg_M_f32 | 1065.66504 | 1065.66504 | ~ |
| VehDyn_MinOffset_HwDeg_M_f32 | -417.769989 | -417.769989 | ~ |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 7.59575272 | 7.59575272 ± 0.000009 | ~ |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 1640834048 | 1640834048 | ~ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 1 | 1 ± 0.004 | ~ |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | -1600 | -1600 ± 0.1 | ~ |

| Τ | | | | ✓ |
|-------------------------------------------------------|-------|-------------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32 | 1 | ✓ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | • |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | • |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |

| Test Step 2.194 (Repeat Count = 1) | |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|
| Name | Input Value |
| OtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| GetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| /ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 0 |
| /ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 200.300003 |
| /ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 52.2999992 |
| /ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 14.3000002 |
| /ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 63.2999992 |
| /ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 53970 |
| /ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 58869 |
| /ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 1024 |
| /ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 54822322 |
| /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -284.299988 |
| /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000961999991 |
| /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -284.299988 |
| /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000961999991 |
| /ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| /ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| /ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| /ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1. |
| /ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 159 |
| /ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 68.5 |
| /ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 16.7999992 |
| /ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 86.9000015 |
| /ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 12258 |
| /ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 36416 |
| /ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 1024 |
| /ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 54822322 |
| /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -284.299988 |
| /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000761999981 |
| /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -284.299988 |
| /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000515999971 |
| /ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| /ehDyn AutoCntrHiSpd M str.Filter2Enable Cnt lgc | 1 |



| Name | Input Value | | |
|----------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|----------------------|---------------------------------------|
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | | |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | | |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 412.5 | | |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 106.5 | | |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 10.5 | | |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 12.5 13352 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 14442 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 1024 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 54822322 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -284.299988 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 7.58000024e-005 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -284.299988 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000961999991 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_ForceCenterEnabled_Cnt_M_lgc | 0 | | |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | 1596.97998 | | |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 | | |
| VehDyn_Initialize_Cnt_M_lgc | 0 | | |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 | | |
| VehDyn_MaxOffset_HwDeg_M_f32 | 1187.84595 | | |
| VehDyn_MinOffset_HwDeg_M_f32 | -383.190002 | | |
| VehDyn_PinTrqSV_M_str.SV_UIs_f32 | 1.5 | | |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000483999989 | | |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.218999997 93.4899979 | | |
| VehDyn_SLPHwPos_HwDeg_M_f32 VehDyn_SrlHwAgVldTimer_mS_M_u32 | 862957440 | | |
| k HiSpdVDAuthority Uls f32 | 0 | | |
| k_HwTqMgnThd_HwNm_f32 | 3.099999 | | |
| k_LoSpdVDAuthority_UIs_f32 | 1 | | |
| k_SrlHwAgVldTiThd_mS_u32 | 4891 | | |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 63.2000008 | | |
| k_TravelXCDeadband_Uls_f32 | 2.8900001 | | |
| k_TravelXCHwAuthority_UIs_f32 | 0.216299996 | | |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 3304439296 | | |
| target_GetSystemTime_mS_u32_CurrentTime target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedT | 824746752 i 1662097408 | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 | 2 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f3 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRad | dpS_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f | 32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_ | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_H | wDeg_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 target_VehDyn_Per1_TorqueCmdCRF_Mtrl | | |
| target Rte Inst Ap VehDyn.VehDyn Per1 VehicleSpeedValid Cnt Igc | target_VehDyn_Per1_VehicleSpeedValid_C | | |
| target Rte Inst Ap VehDyn.VehDyn Per1 VehicleSpeed Kph f32 | target_VehDyn_Per1_VehicleSpeed_Kph_f: | | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -411.51001 | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 1060.09595 | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | -1.44000006 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | -456 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | -284.299988 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 0 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | 93.4899979 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | -4.5999999 0 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 230 | | |
| Name | Actual Value | Expected Value | Resul |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 0 | 0 | INCOU |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 1024 | 1024 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 54822322 | 54822322 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -284.299988 | -284.299988 ± 0.0009 | • |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -284.299988 | -284.299988 ± 0.0009 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | • |
| VehDyn AutoCntrDetSpd M str.Filter2Initialized Cnt Igc | 1 | 1 | · · · · · · · · · · · · · · · · · · · |

VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc



| Name | Actual Value | Expected Value | Result |
|-----------------------------------------------------------------|--------------|-----------------------|----------|
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 1024 | 1024 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 54822322 | 54822322 | • |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -284.299988 | -284.299988 ± 0.0009 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -284.299988 | -284.299988 ± 0.0009 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 1024 | 1024 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 54822322 | 54822322 | • |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -284.299988 | -284.299988 ± 0.0009 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -284.299988 | -284.299988 ± 0.0009 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 | 0 | ~ |
| VehDyn_MaxOffset_HwDeg_M_f32 | 1060.09595 | 1060.09595 | ~ |
| VehDyn_MinOffset_HwDeg_M_f32 | -411.51001 | -411.51001 | • |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 1.49854183 | 1.49854183 ± 0.000009 | ~ |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 862957440 | 862957440 | ~ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 0.218999997 | 0.218999997 ± 0.004 | ~ |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | -190.809998 | -190.809998 ± 0.1 | ~ |

| T | | | | V |
|-------------------------------------------------------|-------|-------------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32 | 1 | ✓ |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | • |

| Test Step 2.195 (Repeat Count = 1) | |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|
| Name | Input Value |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| GetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 457.100006 |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 34.0999985 |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 12.1000004 |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 88.0999985 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 20423 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 18715 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 54822322 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 1024 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1259.78003 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000964000006 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1259.78003 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000964000006 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 10.1000004 |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 45.7999992 |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 18.3999996 |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 42.2999992 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 29076 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 43868 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 54822322 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 1024 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1259.78003 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000763999997 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1259.78003 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000520000001 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 |



| | | | 10.10 |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|--------------------|-------|
| Name | Input Value | | |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | | |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | | |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 10.6000004 | | |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 116.599998 | | |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 12.6000004 | | |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 53.5999985 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 21364 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 52716 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 54822322 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 1024 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1259.78003 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 7.51999978e-005 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1259.78003 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000964000006 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | | |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc VehDyn_ForceCenterOffset HwDeq M f32 | | | |
| , = = = = = = | 1297.25 | | |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 | | |
| VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | | |
| VehDyn MaxOffset HwDeq M f32 | -1192.83801 | | |
| VehDyn_MinOffset_HwDeg_M_f32 | -389.910004 | | |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | -1.60000002 | | |
| VehDyn PinTrqSV M str.K Uls f32 | 0.000484999997 | | |
| VehDyn SLPHwAuth Uls M f32 | 0.200000003 | | |
| VehDyn_SLPHwPos_HwDeg_M_f32 | 103.75 | | |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 1185596672 | | |
| k_HiSpdVDAuthority_UIs_f32 | 1 | | |
| k_HwTqMgnThd_HwNm_f32 | 4.0999999 | | |
| k LoSpdVDAuthority Uls f32 | 0 | | |
| k_SrlHwAgVldTiThd_mS_u32 | 91986 | | |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 88.8000031 | | |
| k_TravelXCDeadband_Uls_f32 | 4.46000004 | | |
| k_TravelXCHwAuthority_Uls_f32 | 0.217525005 | | |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 2167769344 | | |
| target_GetSystemTime_mS_u32_CurrentTime | 309385728 | | |
| $target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_Elapsed$ | 4243378688 | | |
| $target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime$ | 824746752 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f32 | 2 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRad | pS_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f3 | 2 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_U | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_Hv | /Deg_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_MtrN | _ | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc | target_VehDyn_Per1_VehicleSpeedValid_Ci | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph_f3 | 2 | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -405.25 | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 1054.52698 | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | -1.54999995 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | 987.5 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | 1259.78003 | | |
| target_VehDyn_Per1_SrlHwAg.HwDog_f32.value | | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | 103.75 -4.9000001 | | |
| target_VehDyn_Per1_rorqueCmdCRr_withNm_isz.value | 1 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 245.641006 | | |
| Name | Actual Value | Expected Value | Resu |
| | 1 | 1 | Resu |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 54822322 | 54822322 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 1024 | 1024 | |
| VehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32 | 1259.78003 | 1259.78003 ± 0.009 | |
| VehDyn_AutoCntrDetSpd_M_str.ReiHwPosFilt2SV_HwDeg_str.Sv_Uls_f32 | 1259.78003 | 1259.78003 ± 0.009 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1259.76003 ± 0.009 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | |
| VehDyn AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | |

 $VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc$



| Name | Actual Value | Expected Value | Result |
|-----------------------------------------------------------------|--------------|------------------------|----------|
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 309385728 | 309385728 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 1024 | 1024 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1259.78003 | 1259.78003 ± 0.009 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1259.78003 | 1259.78003 ± 0.009 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 309385728 | 309385728 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 1024 | 1024 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1259.78003 | 1259.78003 ± 0.009 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1259.78003 | 1259.78003 ± 0.009 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 | 0 | ~ |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_MaxOffset_HwDeg_M_f32 | -1192.83801 | -1192.83801 | ~ |
| VehDyn_MinOffset_HwDeg_M_f32 | -389.910004 | -389.910004 | ✓ |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | -1.60000253 | -1.60000253 ± 0.000009 | ~ |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 1185596672 | 1185596672 | ~ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 1 | 1 ± 0.004 | ~ |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | -37.4699707 | -37.4700012 ± 0.1 | ✓ |

| Τ | | | | ✓ |
|-------------------------------------------------------|-------|-------------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |

| Test Step 2.196 (Repeat Count = 1) | v v v v v v v v v v v v v v v v v v v | • |
|------------------------------------|---------------------------------------|---|
| Name | Input Value | |



| Name | Input Value | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|-------------------------------|--------|
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1600 | | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000391999987 | | |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | | |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 | | |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | | |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | | |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 580.799988 | | |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 156.800003 | | |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 2.79999995 | | |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 42.7999992 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 16683 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 22497 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 109643620 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 4004004656 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1600 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 6.95999988e-005 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1600 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000899999985 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | | |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 1 | | |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | 398.059998 | | |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 | | |
| VehDyn_Initialize_Cnt_M_lgc | 0 | | |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | | |
| VehDyn_MaxOffset_HwDeg_M_f32 | 1267.71802 | | |
| VehDyn_MinOffset_HwDeg_M_f32 | -490.709991 | | |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 6.30000019 | | |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000452999986 | | |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.0549999997 | | |
| VehDyn_SLPHwPos_HwDeg_M_f32 | 257.649994 | | |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 1314708608 | | |
| k_HiSpdVDAuthority_Uls_f32 | 0 | | |
| k_HwTqMgnThd_HwNm_f32 | 5.0999999 | | |
| k_LoSpdVDAuthority_Uls_f32 | 1 | | |
| k_SrlHwAgVIdTiThd_mS_u32 | 12 | | |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 32.5 | | |
| k_TravelXCDeadband_Uls_f32 | 28.0100002 | | |
| k_TravelXCHwAuthority_Uls_f32 | 0.2359 | | |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 1720406272 | | |
| target_GetSystemTime_mS_u32_CurrentTime | 4243378688 | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTi | | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRad | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f3 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_UIs_f32 | target_VehDyn_Per1_SensorlessAuthority_U | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_Hw | /Deg_132 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 | In 522 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_MtrN | _ | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc | target_VehDyn_Per1_VehicleSpeedValid_Cr | _ · | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph_f3 | <u> </u> | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -423.190002 | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 360 | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | -3.20000005 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | -759.5 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | 1600 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 0 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | 257.649994 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | 1.5 | | |
| | | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 1 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 500 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name | 500 Actual Value | Expected Value | Result |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | Actual Value | 0 | ~ |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 500 Actual Value 0 4243378688 | 0 4243378688 | ~ |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 500 Actual Value 0 4243378688 4004004656 | 0 4243378688 4004004656 | Result |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 500 Actual Value 0 4243378688 | 0 4243378688 | ~ |



| Name | Actual Value | Expected Value | Result |
|-----------------------------------------------------------------|--------------|-----------------------|----------|
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 109643620 | 109643620 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 4004004656 | 4004004656 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1600 | 1600 ± 0.009 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1600 | 1600 ± 0.009 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 109643620 | 109643620 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 4004004656 | 4004004656 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1600 | 1600 ± 0.009 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1600 | 1600 ± 0.009 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_Igc | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_MaxOffset_HwDeg_M_f32 | 360 | 360 | ~ |
| VehDyn_MinOffset_HwDeg_M_f32 | -423.190002 | -423.190002 | ~ |
| VehDyn_PinTrqSV_M_str.SV_UIs_f32 | 6.29571772 | 6.29571724 ± 0.000009 | ~ |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 1314708608 | 1314708608 | ~ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 1 | 1 ± 0.004 | ~ |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | 1201.93994 | 1201.93994 ± 0.1 | ~ |

| T | | | | ✓ |
|-------------------------------------------------------|-------|-------------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ✓ |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |

| Name | Input Value |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|
| DtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| GetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 457.299988 |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 176.300003 |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 4.30000019 |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 63.2999992 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 11226 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 60000 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 164464918 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 54822322 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 45.0099983 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000902 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 45.0099983 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000902 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 621 |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 136.600006 |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 1.10000002 |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 32.0999985 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 26195 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 22037 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 164464918 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 54822322 |



| Name | Input Value | | |
|-----------------------------------------------------------------------|------------------------------------------|----------------|-------|
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 45.0099983 | | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.00070199999 | | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 45.0099983 | | |
| VehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32 | 0.000395999989 | | |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1 | | |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 | | |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | | |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | | |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 621.400024 | | |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 166.399994 | | |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 4.34000015 | | |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 12.3000002 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 5235 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 27074 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 164464918 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 54822322 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 45.0099983 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 6.98000003e-005 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 45.0099983 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000902 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | | |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 0 | | |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | 497.970001 | | |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 | | |
| VehDyn_Initialize_Cnt_M_lgc | 1 | | |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 | | |
| VehDyn_MaxOffset_HwDeg_M_f32 | 1272.70996 | | |
| VehDyn_MinOffset_HwDeg_M_f32 | -497.429993 | | |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 15.1999998 | | |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000453999994 | | |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.064000003 | | |
| VehDyn_SLPHwPos_HwDeg_M_f32 | 267.910004 | | |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 2087849472 | | |
| k_HiSpdVDAuthority_Uls_f32 | 1 | | |
| k_HwTqMgnThd_HwNm_f32 | 6.0999999 | | |
| k_LoSpdVDAuthority_Uls_f32 | 0 | | |
| k_SrlHwAgVldTiThd_mS_u32 | 45 | | |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 52.2000008 | | |
| k_TravelXCDeadband_Uls_f32 | 29.5799999 | | |
| k_TravelXCHwAuthority_Uls_f32 | 0.237124994 | | |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 2659241984 | | |
| target_GetSystemTime_mS_u32_CurrentTime | 1050692864 | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedT | 4243378688 | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime | 309385728 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f3 | 2 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRac | lpS_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f3 | 32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_l | Jls_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_Hw | vDeg_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_MtrN | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc | target_VehDyn_Per1_VehicleSpeedValid_C | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph_f3 | | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -430.910004 | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 1440.10999 | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | -3.3099994 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | -759.549988 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | 45.0099983 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 1 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | 267.910004 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | -1.60000002 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 0 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 499 | | |
| Name | Actual Value | Expected Value | Resul |
| VehDyn AllowHiSpdAutoCntr Cnt M Igc | 1 | 1 | Resul |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 164464918 | 164464918 | |
| Venuvn AutoChtriJetSpd Wistr Limeri ms 1132 | | | |



| Name | Actual Value | Expected Value | Result |
|------------------------------------------------------------------|--------------|----------------------|----------|
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 45.0099983 | 45.0099983 ± 0.00009 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 45.0099983 | 45.0099983 ± 0.00009 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 1050692864 | 1050692864 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 54822322 | 54822322 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 45.0099983 | 45.0099983 ± 0.00009 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 45.0099983 | 45.0099983 ± 0.0009 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 1050692864 | 1050692864 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 54822322 | 54822322 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 45.0099983 | 45.0099983 ± 0.0009 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 45.0099983 | 45.0099983 ± 0.00009 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 | 0 | ✓ |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 | 0 | ✓ |
| VehDyn_MaxOffset_HwDeg_M_f32 | 1272.70996 | 1272.70996 | • |
| VehDyn_MinOffset_HwDeg_M_f32 | -475.920013 | -475.920013 | ✓ |
| VehDyn_PinTrqSV_M_str.SV_UIs_f32 | 15.1915827 | 15.1915827 ± 0.00009 | ~ |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 2087849472 | 2087849472 | ~ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 1 | 1 ± 0.004 | ~ |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | 267.910004 | 267.910004 ± 0.1 | ~ |

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|-------------------------------------------------------|-------|-------------------------------------------------------|-------|--------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32 | 1 | • |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | • |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | • |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | • |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | • |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |

| Test Step 2.198 (Repeat Count = 1) | ✓ |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|
| Name | Input Value |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| GetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 498.399994 |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 186.399994 |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 16.3999996 |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 88.4000015 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 29729 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 33804 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 219286216 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 1024 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 0 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000904000015 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 0 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000904000015 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 662 |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 146.100006 |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 7.0999999 |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 52.4000015 |



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|----------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|
| Name | Input Value |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 43190 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 3186 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 219286216 |
| | |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 1024 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 0 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000704000005 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 0 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.00039999999 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 662.099976 |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 176.139999 |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 6.0999999 |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 53.099985 |
| | 29076 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 43868 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 219286216 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 1024 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 0 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 7.00000019e-005 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 0 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000904000015 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn AutoCntrLoSpd M str.Filter1Initialized Cnt Igc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| | 1 |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | 597.880005 |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 |
| VehDyn_Initialize_Cnt_M_lgc | 1 |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 |
| VehDyn_MaxOffset_HwDeg_M_f32 | 1277.70203 |
| VehDyn_MinOffset_HwDeg_M_f32 | -504.149994 |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 14 |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000455000001 |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.0729999989 |
| VehDyn_SLPHwPos_HwDeg_M_f32 | 278.170013 |
| | 1309118848 |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | |
| k_HiSpdVDAuthority_UIs_f32 | 0 |
| k_HwTqMgnThd_HwNm_f32 | 7.0999999 |
| k_LoSpdVDAuthority_Uls_f32 | 1 |
| k_SrlHwAgVldTiThd_mS_u32 | 65 |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 41.8499985 |
| k_TravelXCDeadband_Uls_f32 | 31.1499996 |
| k_TravelXCHwAuthority_Uls_f32 | 0.238350004 |
| target DtrmnElapsedTime mS u32 ElapsedTime | 2942063360 |
| target_GetSystemTime_mS_u32_CurrentTime | 3039943680 |
| target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedTi | |
| target_Rte_Call_Ap_venDyn_SystemTime_DtrimeLapseuTime_inS_us2_ElapseuTime target_Rte_Call_Ap_VenDyn_SystemTime_GetSystemTime_mS_us2_CurrentTime | |
| | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_Uls_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target VehDyn Per1 SrlHwAg HwDeg f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc | target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc |
| | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph_f32 |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -438.630005 |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 1415.25 |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | -3.42000008 |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | -835.099976 |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | 0 |
| target VehDyn Per1 SrlHwAgVld Cnt Igc.value | 1 |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | 278.170013 |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | 4.5999999 |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 1 |
| | 1 |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 120.050003 |



| Name | Actual Value | Expected Value | Result |
|------------------------------------------------------------------|--------------|----------------------|----------|
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 0 | 0 | - |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 3039943680 | 3039943680 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 1024 | 1024 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 0 | 0 ± 0.000009 | • |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 0 | 0 ± 0.000009 | - |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | - |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | - |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 219286216 | 219286216 | • |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 1024 | 1024 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 0 | 0 ± 0.000009 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 0 | 0 ± 0.000009 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | - |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | - |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 219286216 | 219286216 | • |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 1024 | 1024 | - |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 0 | 0 ± 0.0009 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 0 | 0 ± 0.000009 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | - |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 | 1 | ✓ |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | ✓ |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | 1 | ✓ |
| VehDyn_MaxOffset_HwDeg_M_f32 | 1277.70203 | 1277.70203 | ✓ |
| VehDyn_MinOffset_HwDeg_M_f32 | -438.630005 | -438.630005 | • |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 13.9921236 | 13.9921236 ± 0.00009 | ✓ |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 1309118848 | 1309118848 | ✓ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 1 | 1 ± 0.004 | - |
| target VehDyn Per1 SensorlessHwPos HwDeg f32.value | -597.880005 | -597.880005 ± 0.1 | ✓ |

| T | | | V | |
|-------------------------------------------------------|-------|-------------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32 | 1 | ✓ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | • |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ✓ |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |

| Test Step 2.199 (Repeat Count = 1) | ✓ |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|
| Name | Input Value |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| GetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 539.099976 |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 196.100006 |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 14.1000004 |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 75.0999985 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 7034 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 22497 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 274107514 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 4290967295 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -275.019989 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000905999972 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -275.019989 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000905999972 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 124.599998 |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 156 |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 13.6000004 |



| | (|
|------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|
| Name | Input Value |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 10.3999996 |
| VehDyn AutoCntrHiSpd M str.Timer1Thresh mS u16 | 30404 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 30349 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 274107514 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 4290967295 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -275.019989 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000706000021 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -275.019989 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000403999991 |
| VehDyn AutoCntrHiSpd M str.Filter1Enable Cnt Igc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn AutoCntrHiSpd M str.Filter1Initialized Cnt Igc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 124.400002 |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 186.100006 |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 14.1000004 |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 86.099985 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 32821 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 53946 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 274107514 |
| | 4290967295 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -275.019989 |
| | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDog_str.K_Uls_f32 | 7.02000034e-005 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -275.019989 |
| VehDyn_AutoCntrl_oSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000905999972 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 0 |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | 697.789978 |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 |
| VehDyn_Initialize_Cnt_M_lgc | 0 |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 |
| VehDyn_MaxOffset_HwDeg_M_f32 | 1282.69397 |
| VehDyn_MinOffset_HwDeg_M_f32 | -510.869995 |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 7.80000019 |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000456000009 |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.0820000023 |
| VehDyn_SLPHwPos_HwDeg_M_f32 | 288.429993 |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 54083328 |
| k_HiSpdVDAuthority_Uls_f32 | 1 |
| k HwTqMgnThd HwNm f32 | 8.10000038 |
| k_LoSpdVDAuthority_Uls_f32 | 0 |
| k_SrlHwAgVldTiThd_mS_u32 | 112 |
| k SysKinRatio MtrDegpHwDeg f32 | 63.0139999 |
| k TravelXCDeadband Uls f32 | 32.7200012 |
| k TravelXCHwAuthority Uls f32 | 0.239574999 |
| target DtrmnElapsedTime mS u32 ElapsedTime | 1117112832 |
| target GetSystemTime mS u32 CurrentTime | 1316564736 |
| | |
| target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedTime target Rte Call Ap VehDyn SystemTime CetSystemTime mS u32 CurrentTime | |
| target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 target_VehDyn_Per1_CwEOT_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | 0 - 7 0 - |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_Uls_f32 |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc | target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph_f32 |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -1440.10999 |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 987.698975 |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | -3.52999997 |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | -456 |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | -275.019989 |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 0 |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | 288.429993 |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | -7.30000019 |
| target VehDyn Per1 VehicleSpeedValid Cnt Igc.value | 0 |
| | |



| Name | Input Value | | |
|------------------------------------------------------------------|--------------|-----------------------|----------|
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 230.039993 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 | 1 | • |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 274107514 | 274107514 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 4290967295 | 4290967295 | • |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -275.019989 | -275.019989 ± 0.0009 | • |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -275.019989 | -275.019989 ± 0.0009 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | Ī | 1 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 1316564736 | 1316564736 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 4290967295 | 4290967295 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -275.019989 | -275.019989 ± 0.0009 | • |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -275.019989 | -275.019989 ± 0.0009 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 1316564736 | 1316564736 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 4290967295 | 4290967295 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -275.019989 | -275.019989 ± 0.0009 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -275.019989 | -275.019989 ± 0.0009 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 | 0 | ✓ |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 | 0 | ✓ |
| VehDyn_MaxOffset_HwDeg_M_f32 | 987.698975 | 987.698975 | ~ |
| VehDyn_MinOffset_HwDeg_M_f32 | -1440.10999 | -1440.10999 | ~ |
| VehDyn_PinTrqSV_M_str.SV_UIs_f32 | 7.79478073 | 7.79478073 ± 0.000009 | ~ |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 54083328 | 54083328 | ~ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 0.0820000023 | 0.0820000023 ± 0.004 | ✓ |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | 13.4100037 | 13.4099998 ± 0.1 | ✓ |

| Τ | | | ✓ | |
|-------------------------------------------------------|-------|-------------------------------------------------------|----------|--------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32 | 1 | • |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | • |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |

| Test Step 2.200 (Repeat Count = 1) | ✓ |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|
| Name | Input Value |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| GetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 580.200012 |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 76.1999969 |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 12.1999998 |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 97.1999969 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 25532 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 27074 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 328928812 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 1078320779 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1482.09998 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000907999987 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1482.09998 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000907999987 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |



| Name | Input Value |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 138.100006 |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 166.699997 |
| VehDyn AutoCntrHiSpd M str.FiltPinTrg HwNm f32 | 19.5 |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 25.6000004 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 10412 |
| VehDyn AutoCntrHiSpd M str.Timer2Thresh mS u16 | 3277 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 328928812 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 1078320779 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1482.09998 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000707999978 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1482.09998 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000407999993 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 138.100006 |
| | 196 |
| VehDyn_AutoCntrl_oSpd_M_str.VehSpd_kph_f32 | |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 18.2000008 |
| VehDyn_AutoCntrl_oSpd_M_str.CntrWindow_HwDeg_f32 | 96.4000015 |
| VehDyn_AutoCottrLoSpd_M_str.Timer1Thresh_mS_u16 | 40437 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 13059 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 328928812 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 1078320779 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 | -1482.09998 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 7.03999976e-005 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1482.09998 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000907999987 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 0 |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | 797.700012 |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 |
| VehDyn_Initialize_Cnt_M_lgc | 0 |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 |
| VehDyn MaxOffset HwDeg M f32 | 1287.68604 |
| VehDyn_MinOffset_HwDeg_M_f32 | -517.590027 |
| VehDyn_PinTrqSV_M_str.SV_UIs_f32 | 3.2000005 |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000456999987 |
| VehDyn SLPHwAuth Uls M f32 | 0.090999982 |
| VehDyn SLPHwPos HwDeg M f32 | 298.690002 |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 110169728 |
| k HiSpdVDAuthority UIs f32 | 0.99000001 |
| k HwTgMgnThd HwNm f32 | 9.10000038 |
| _ | |
| k_LoSpdVDAuthority_Uls_f32 | 1 |
| k_SrlHwAgVldTiThd_mS_u32 | 1385 |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 88.8700027 |
| k_TravelXCDeadband_Uls_f32 | 34.2900009 |
| k_TravelXCHwAuthority_UIs_f32 | 0.240799993 |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 1736795392 |
| target_GetSystemTime_mS_u32_CurrentTime | 2075080192 |
| $target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTim$ | |
| $target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime$ | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_Uls_f32 |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAgVld_Cnt_lgc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc | target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph_f32 |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -360 |
| target_venDyn_Per1_CwEOT_HwDeg_f32.value | 982.130005 |
| target_vehDyn_Per1_HwTorque_HwNm_f32.value | -3.6400001 |
| target_vehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | -3.6400001 325.5 |
| | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | -1482.09998 |



| Name | Input Value | | |
|------------------------------------------------------------------|--------------|-----------------------|--------|
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 0 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | 298.690002 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | 1.29999995 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 1 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 245 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn AllowHiSpdAutoCntr Cnt M Igc | 1 | 1 | • |
| VehDyn AutoCntrDetSpd M str.Timer1 mS u32 | 328928812 | 328928812 | • |
| VehDyn AutoCntrDetSpd M str.Timer2 mS u32 | 1078320779 | 1078320779 | • |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1482.09998 | -1482.09998 ± 0.009 | |
| VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32 | -1482.09998 | -1482.09998 ± 0.009 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | • |
| VehDyn AutoCntrHiSpd M str.Timer1 mS u32 | 2075080192 | 2075080192 | • |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 1078320779 | 1078320779 | |
| VehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32 | -1482.09998 | -1482.09998 ± 0.009 | • |
| VehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32 | -1482.09998 | -1482.09998 ± 0.009 | • |
| VehDyn AutoCntrHiSpd M str.Filter1Enable Cnt lgc | 0 | 0 | • |
| VehDyn AutoCntrHiSpd M str.Filter2Enable Cnt lgc | 1 | 1 | • |
| VehDyn AutoCntrHiSpd M str.Filter1Initialized Cnt Igc | 1 | 1 | • |
| VehDyn AutoCntrHiSpd M str.Filter2Initialized Cnt Igc | 0 | 0 | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 328928812 | 328928812 | |
| VehDyn AutoCntrLoSpd M str.Timer2 mS u32 | 1078320779 | 1078320779 | |
| VehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32 | -1482.09998 | -1482.09998 ± 0.009 | |
| VehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32 | -1482.09998 | -1482.09998 ± 0.009 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 | 1 | • |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | • |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | 1 | |
| VehDyn_MaxOffset_HwDeg_M_f32 | 982.130005 | 982.130005 | |
| VehDyn_MinOffset_HwDeg_M_f32 | -360 | -360 | • |
| VehDyn_PinTrqSV_M_str.SV_UIs_f32 | 3.19688082 | 3.19688082 ± 0.000009 | |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 110169728 | 110169728 | • |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 0.99000001 | 0.99000001 ± 0.004 | • |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | 0 | 0 ± 0.1 | - |

| Τ | | | | ✓ |
|-------------------------------------------------------|-------|-------------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32 | 1 | • |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | • |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | • |

| Test Step 2.201 (Repeat Count = 1) | ✓ |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|
| Name | Input Value |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| GetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 621.299988 |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 86.3000031 |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 10.3000002 |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 86.3000031 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 43128 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 43868 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 383750110 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 2138628886 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -753.650024 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000910000002 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -753.650024 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000910000002 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 |



| | (|
|--------------------------------------------------------------------------|------------------------------------------------|
| Name | Input Value |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_Igc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 86.9000015 |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 176 |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 3.099999 |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 86.4000015 |
| · - · · · - · - · · - · · - · · · · | 16683 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 22497 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 383750110 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 2138628886 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -753.650024 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000709999993 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -753.650024 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000411999994 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 86.4000015 |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 206.199997 |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 16.2000008 |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 45.2000008 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 2291 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 58929 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 383750110 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 2138628886 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -753.650024 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 7.05999992e-005 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -753.650024 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000910000002 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_Igc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_Igc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| | 1 |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc VehDyn_ForceCenterOffset HwDeg M f32 | 897.609985 |
| | |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 1 |
| VehDyn_Initialize_Cnt_M_lgc | |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 |
| VehDyn_MaxOffset_HwDeg_M_f32 | -1292.67798 |
| VehDyn_MinOffset_HwDeg_M_f32 | -524.309998 |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | -5.4000001 |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000457999995 |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.100000001 |
| VehDyn_SLPHwPos_HwDeg_M_f32 | 308.950012 |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 824746752 |
| k_HiSpdVDAuthority_Uls_f32 | 0.889999986 |
| k_HwTqMgnThd_HwNm_f32 | 0.119999997 |
| k_LoSpdVDAuthority_UIs_f32 | 0 |
| k_SrlHwAgVldTiThd_mS_u32 | 744 |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 75.8700027 |
| k_TravelXCDeadband_Uls_f32 | 35.8600006 |
| k_TravelXCHwAuthority_Uls_f32 | 0.242025003 |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 3437401088 |
| target GetSystemTime mS u32 CurrentTime | 954802432 |
| target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedT | |
| target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 | target VehDyn Per1 CcwEOT HwDeg f32 |
| target Rte Inst Ap VehDyn.VehDyn Per1 CwEOT HwDeg f32 | target VehDyn Per1 CwEOT HwDeg f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 |
| | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_Uls_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc | target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph_f32 |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -1242.25 |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 976.560974 |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | -3.75 |
| | |



| Name | Input Value | |
|----------------------------------------------------|--------------|----------------|
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | 245.300003 | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | -753.650024 | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 1 | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | 308.950012 | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | 5.5999999 | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 0 | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 123.330002 | |
| Name | Actual Value | Expected Value |



| | (|
|----------------------------------------------------------------------|------------------------------------------------|
| Name | Input Value |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000912000018 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 456.450012 |
| VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32 | 0.000912000018 |
| | 0.000912000018 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 44.0999985 |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 186.600006 |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 5.0999999 |
| VehDyn AutoCntrHiSpd M str.CntrWindow HwDeg f32 | 56.2099991 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 5235 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 27074 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 2138628886 |
| | 2345892860 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 456.450012 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000712000008 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 456.450012 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000415999995 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| VehDyn AutoCntrHiSpd M str.Filter1Initialized Cnt Igc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| VehDyn AutoCntrLoSpd M str.MtrVel MtrRadpS f32 | 44.2000008 |
| | 44.2000008 |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 18.399996 |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 78.1999969 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 38868 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 57944 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 2138628886 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 2345892860 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 456.450012 |
| VehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32 | 7.08000007e-005 |
| VehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32 | 456.450012 |
| · - · · | 0.000912000018 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 0 |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | 997.52002 |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 |
| VehDyn Initialize Cnt M Igc | 0 |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 |
| | · |
| VehDyn_MaxOffset_HwDeg_M_f32 | 1297.67004 |
| VehDyn_MinOffset_HwDeg_M_f32 | -531.030029 |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 7.5999999 |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000459000003 |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.108999997 |
| VehDyn_SLPHwPos_HwDeg_M_f32 | 319.209991 |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 401380224 |
| k_HiSpdVDAuthority_Uls_f32 | 0.75999999 |
| k HwTqMgnThd HwNm f32 | 5.4499981 |
| k_LoSpdVDAuthority_Uls_f32 | 1 |
| | 700 |
| k_SrlHwAgVldTiThd_mS_u32 | |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 97.4499969 |
| k_TravelXCDeadband_Uls_f32 | 37.4300003 |
| k_TravelXCHwAuthority_Uls_f32 | 0.243249997 |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 3494315776 |
| target_GetSystemTime_mS_u32_CurrentTime | 2728878080 |
| target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_Elapse | dTi 954802432 |
| target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTir | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 |
| | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_Uls_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAgVld_Cnt_lgc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 |
| | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc | target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc |
| | |



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|------------------------------------------------------------------|----------------------------|-----------------------|----------|
| Name | Input Value | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_Vehicle | Speed_Kph_f32 | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -423.190002 | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 970.992004 | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | -3.8599999 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | 1023.04999 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | 456.450012 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 0 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | 319.209991 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | -4.5999999 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 1 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 56 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 2138628886 | 2138628886 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 2345892860 | 2345892860 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 456.450012 | 456.450012 ± 0.0009 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 456.450012 | 456.450012 ± 0.0009 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 2728878080 | 2728878080 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 2345892860 | 2345892860 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 456.450012 | 456.450012 ± 0.0009 | ✓ |
| VehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32 | 456.450012 | 456.450012 ± 0.0009 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn AutoCntrHiSpd M str.Filter2Enable Cnt lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 2138628886 | 2138628886 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 2345892860 | 2345892860 | ✓ |
| VehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32 | 456.450012 | 456.450012 ± 0.0009 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 456.450012 | 456.450012 ± 0.0009 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn AutoCntrLoSpd M str.Filter2Enable Cnt lgc | 0 | 0 | ✓ |
| VehDyn AutoCntrLoSpd M str.Filter1Initialized Cnt Igc | 0 | 0 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn HiSpdLearnt Cnt M Igc | 1 | 1 | ✓ |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn LoSpdLearnt Cnt M lgc | 1 | 1 | ✓ |
| VehDyn MaxOffset HwDeg M f32 | 970.992004 | 970.992004 | ~ |
| VehDyn MinOffset HwDeg M f32 | -423.190002 | -423.190002 | ✓ |
| VehDyn_PinTrqSV_M_str.SV_UIs_f32 | 7.59471798 | 7.59471798 ± 0.000009 | • |
| VehDyn SrlHwAgVldTimer mS M u32 | 401380224 | 401380224 | ✓ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 0.75999999 | 0.75999999 ± 0.004 | ~ |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | 0 | 0 ± 0.1 | ✓ |

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|-------------------------------------------------------|-------|-------------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | • |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |

| Test Step 2.203 (Repeat Count = 1) | v v v v v v v v v v v v v v v v v v v |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|
| Name | Input Value |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| GetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 498.600006 |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 106.599998 |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 2.5999999 |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 12.6000004 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 13352 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 13059 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 2345892860 |



| Name | Input Value |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 2553156835 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 969.01001 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000913999975 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 969.01001 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000913999975 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 96.5999985 |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 196.699997 |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 9.60000038 |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 54 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 40437 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 13059 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 2345892860 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 2553156835 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 969.01001 |
| VehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32 | 0.000714000023 |
| VehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32 | 969.01001 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000419999997 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable Cnt_lgc | 1 |
| /ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VenDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 96.3000031 |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 96.3000031 |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 8.3000019 |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 96.3000031 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 53970 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 52282 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 2345892860 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 2553156835 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 969.01001 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 7.10000022e-005 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 969.01001 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000913999975 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 1 |
| VehDyn ForceCenterOffset HwDeg M f32 | 1097.43005 |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 |
| VehDyn_Initialize_Cnt_M_lgc | 1 |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 |
| VehDyn MaxOffset HwDeg M f32 | -3.5999999 |
| VehDyn_MinOffset_HwDeg_M_f32 | 7.80000019 |
| VehDyn_PinTrqSV_M_str.SV_UIs_f32 | 1.5 |
| | 0.00046000001 |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 VehDyn SLPHwAuth Uls M f32 | 0.118000001 |
| VenDyn_SLPHWAutn_Ois_M_f32 VehDyn_SLPHwPos_HwDeg_M_f32 | 329.470001 |
| | |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 1748130048 |
| K_HiSpdVDAuthority_Uls_f32 A Last T-Mar Trid Harder f32 | 0.34000004 |
| <_HwTqMgnThd_HwNm_f32 < LaCounty (Double with Little 1992) | 6.32000017 |
| k_LoSpdVDAuthority_UIs_f32 | 0 |
| c_SrlHwAgVldTiThd_mS_u32 | 701 |
| <_SysKinRatio_MtrDegpHwDeg_f32 | 86.6999969 |
| x_TravelXCDeadband_Uls_f32 | 39 |
| x_TraveIXCHwAuthority_Uls_f32 | 0.244475007 |
| arget_DtrmnElapsedTime_mS_u32_ElapsedTime | 463842816 |
| arget_GetSystemTime_mS_u32_CurrentTime | 824746752 |
| arget_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed | 2728878080 |
| arget_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTin | ne 5477 |
| arget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 |
| | target_VehDyn_Per1_HwTorque_HwNm_f32 |
| arget Rte Inst Ap VenDyn VenDyn Peri Hwiordue Hwnm 132 | target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 |
| | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f32 target_VehDyn_Per1_SensorlessAuthority_Uls_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrIHwAgVId_Cnt_Igc | target_VehDyn_Per1_RelHwPos_HwDeg_f32 |



| | | • | MACILAB |
|------------------------------------------------------------------|------------------------------|-----------------------|---------|
| Name | Input Value | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCm | ndCRF MtrNm f32 | |
| target Rte Inst Ap VehDyn.VehDyn Per1 VehicleSpeedValid Cnt Igc | target VehDyn Per1 VehicleSp | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSp | | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -430.910004 | - ' - | |
| target VehDyn Per1 CwEOT HwDeg f32.value | 965.422974 | | |
| target VehDyn Per1 HwTorque HwNm f32.value | -3.97000003 | | |
| target VehDyn Per1 MotorVelCRF MtrRadpS f32.value | -147 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | 969.01001 | | |
| target VehDyn Per1 SrlHwAgVld Cnt Igc.value | 1 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | 329.470001 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | -4.9000001 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 0 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 42.2200012 | | |
| Name | Actual Value | Expected Value | Resul |
| VehDyn AllowHiSpdAutoCntr Cnt M Igc | 1 | 1 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 2345892860 | 2345892860 | |
| VehDyn AutoCntrDetSpd M str.Timer2 mS u32 | 2553156835 | 2553156835 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 969.01001 | 969.01001 ± 0.0009 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 969.01001 | 969.01001 ± 0.0009 | |
| VehDyn AutoCntrDetSpd M str.Filter1Enable Cnt lgc | 1 | 1 | |
| VehDyn AutoCntrDetSpd M str.Filter2Enable Cnt lgc | 1 | 1 | |
| VehDyn AutoCntrDetSpd M str.Filter1Initialized Cnt Igc | 1 | 1 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 824746752 | 824746752 | |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 2553156835 | 2553156835 | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 969.01001 | 969.01001 ± 0.0009 | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 969.01001 | 969.01001 ± 0.0009 | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 824746752 | 824746752 | |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 2553156835 | 2553156835 | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 969.01001 | 969.01001 ± 0.0009 | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 969.01001 | 969.01001 ± 0.0009 | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | • |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 | 0 | |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 | 0 | • |
| VehDyn_MaxOffset_HwDeg_M_f32 | -3.5999999 | -3.5999999 | • |
| VehDyn_MinOffset_HwDeg_M_f32 | 7.80000019 | 7.80000019 | • |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 1.49745774 | 1.49745786 ± 0.000009 | • |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 1748130048 | 1748130048 | • |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 1 | 1 ± 0.004 | • |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | -128.420044 | -128.419998 ± 0.1 | • |

| T | | | | V |
|-------------------------------------------------------|-------|-------------------------------------------------------|-------|--------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32 | 1 | • |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | • |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | • |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |

| Test Step 2.204 (Repeat Count = 1) | | * |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|---|
| Name | Input Value | |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime | |
| GetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime | |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime | |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime | |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn | |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 0 | |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 9.5 | |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 226.5 | |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 4.5 | |



| Name | Input Value |
|--------------------------------------------------------------------------------------|-----------------------------------------------|
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 53.5 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 21364 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 52282 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 2553156835 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 2760420809 |
| | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1397.33997 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.00091599999 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1397.33997 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.00091599999 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 100.400002 |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 206.100006 |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 7.0999999 |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 85.5999985 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 2291 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 58929 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 2553156835 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 2760420809 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1397.33997 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.00071599998 |
| VehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32 | -1397.33997 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000423999998 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| VehDyn AutoCntrHiSpd M str.Filter1Initialized Cnt lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| | |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 100.400002 |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 236.5 |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 4.30000019 |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 32.4000015 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 20423 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 31368 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 2553156835 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 2760420809 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1397.33997 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 7.11999965e-005 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1397.33997 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.00091599999 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 0 |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | 1197.33997 |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 |
| VehDyn Initialize Cnt M lqc | 1 |
| VehDyn_Initialize_Ont_M_igc | 1 |
| VehDyn MaxOffset HwDeq M f32 | -2840 |
| VehDyn_MinOffset_HwDeg_M_f32 | -544.469971 |
| VenDyn_minoriset_nwbeg_m_132 VenDyn_PinTrqSV_M_str.SV_UIs_f32 | -1.60000002 |
| VenDyn_PinTrqSV_M_str.SV_Uis_132 VehDyn_PinTrqSV_M_str.K_Uis_f32 | 0.000460999989 |
| | |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.127000004 |
| VehDyn_SLPHwPos_HwDeg_M_f32 | 339.730011 |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 89 |
| k_HiSpdVDAuthority_Uls_f32 | 0 |
| k_HwTqMgnThd_HwNm_f32 | 1 |
| k_LoSpdVDAuthority_UIs_f32 | 1 |
| k_SrlHwAgVldTiThd_mS_u32 | 702 |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 96.5 |
| k_TravelXCDeadband_Uls_f32 | 40.5699997 |
| k_TraveIXCHwAuthority_UIs_f32 | 0.245700002 |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 1759885568 |
| target_GetSystemTime_mS_u32_CurrentTime | 309385728 |
| target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi | 824746752 |
| target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 | target VehDyn Per1 CcwEOT HwDeg f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 |
| target_Rte_Inst_Ap_venDyn.VenDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f32 |
| ranger_nac_mor_np_venibyii.venibyii_r eni_neinwir0s_nwbey_loz | targot_voriDyn_r or n_rton iwr os_r iwDeg_isz |



| Name | Input Value | | |
|-------------------------------------------------------------------|------------------------------------|-----------------------|----------|
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAutho | ority_Uls_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPo | os_HwDeg_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc | target_VehDyn_Per1_SrlHwAgVld_Cnt | _lgc | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg | g_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF | _MtrNm_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc | target_VehDyn_Per1_VehicleSpeedVa | lid_Cnt_lgc | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_K | ph_f32 | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -438.630005 | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 959.854004 | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | -4.07999992 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | 88.0999985 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | -1397.33997 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 1 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | 339.730011 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | -1.8999998 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 1 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 52.8800011 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 309385728 | 309385728 | · |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 2760420809 | 2760420809 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1397.33997 | -1397.33997 ± 0.009 | · |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1397.33997 | -1397.33997 ± 0.009 | - |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 2553156835 | 2553156835 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 2760420809 | 2760420809 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1397.33997 | -1397.33997 ± 0.009 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1397.33997 | -1397.33997 ± 0.009 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 2553156835 | 2553156835 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 2760420809 | 2760420809 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1397.33997 | -1397.33997 ± 0.009 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1397.33997 | -1397.33997 ± 0.009 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 | 1 | ✓ |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | 1 | - |
| VehDyn_MaxOffset_HwDeg_M_f32 | -2840 | -2840 | ~ |
| VehDyn_MinOffset_HwDeg_M_f32 | 958.709961 | 958.710022 | ~ |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | -1.60115242 | -1.6011523 ± 0.000009 | ~ |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 89 | 89 | ~ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 0.127000004 | 0.127000004 ± 0.004 | ~ |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | -1057.60999 | -1057.60999 ± 0.1 | ~ |

| T | | | | ✓ |
|----------------------------------------------------|-------|----------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | • |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | • |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | • |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |

| Test Stan 2 205 (Depost Count = 4) | | 0 |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|---|
| Test Step 2.205 (Repeat Count = 1) | | |
| Name | Input Value | |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime | |
| GetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime | |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime | |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime | |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn | |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 | |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 533.099976 | |



| Name | Input Value |
|------------------------------------------------------------------------|------------------------------------------|
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 236.100006 |
| VehDyn AutoCntrDetSpd M str.FiltPinTrg HwNm f32 | 6.0999999 |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 86.099985 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 33198 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 31368 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 2760420809 |
| VehDyn AutoCntrDetSpd M str.Timer2 mS u32 | 2967684784 |
| | -913.679993 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000918000005 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -913.679993 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000918000005 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 124.5 |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 216.539993 |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 5.19999981 |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 96.5 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 38868 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 57944 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 2760420809 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 2967684784 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -913.679993 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000717999996 |
| VehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32 | -913.679993 |
| VehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32 | 0.000427999999 |
| VehDyn AutoCntrHiSpd M str.Filter1Enable Cnt lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 124.400002 |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 246.5 |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 16.3999996 |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 52.4000015 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 7034 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 39056 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 2760420809 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 2967684784 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -913.679993 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 7.1399998e-005 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -913.679993 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000918000005 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 1 |
| VehDyn ForceCenterOffset HwDeg M f32 | 1297.25 |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 |
| VehDyn Initialize Cnt M Igc | 1 |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 |
| VehDyn_MaxOffset_HwDeg_M_f32 | 1440.10999 |
| VehDyn_MinOffset HwDeg_M_132 | -551.190002 |
| VeriDyn_Ninfonset_nwbeg_ivi_132 VehDyn_PinTrqSV_M_str.SV_Uls_f32 | -14.800002 |
| | 0.000461999996 |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.136000007 |
| VehDyn_SLPHwPos_HwDeg_M_f32 | 349.98999 |
| VehDyn_SrlHwAgVIdTimer_mS_M_u32 | 4178051584 |
| k_HiSpdVDAuthority_Uls_f32 | 0.670000017 |
| k_HwTqMgnThd_HwNm_f32 | 1.5 |
| k_LoSpdVDAuthority_Uls_f32 | 0 |
| k_SrlHwAgVldTiThd_mS_u32 | 703 |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 32.5400009 |
| k_TravelXCDeadband_Uls_f32 | 42.1399994 |
| k_TraveIXCHwAuthority_UIs_f32 | 0.246924996 |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 1662097408 |
| target_GetSystemTime_mS_u32_CurrentTime | 4164171008 |
| target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedTi | 824746752 |
| target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 |
| target_rte_inst_Ap_vehbyn.vehbyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f32 |
| goto_mot_np_vonDyn.vonDyn_i ori_nwroique_nwivin_ioz | talgot_10Dyn_1 or 1_rm rorquo_nwivin_102 |



| Name | Input Value | | |
|-------------------------------------------------------------------|-----------------------------------|----------------------|--------|
| target Rte Inst Ap VehDyn.VehDyn Per1 MotorVelCRF MtrRadpS f32 | target_VehDyn_Per1_MotorVelCRF_ | MtrRadnS f32 | |
| target Rte Inst Ap VehDyn.VehDyn Per1 RelHwPos HwDeg f32 | target_VehDyn_Per1_RelHwPos_Hw | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuth | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwF | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc | target_VehDyn_Per1_SrlHwAgVld_C | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDe | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target VehDyn Per1 TorqueCmdCR | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc | target_VehDyn_Per1_VehicleSpeedV | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_ | | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -446.350006 | | |
| target VehDyn Per1 CwEOT HwDeg f32.value | 954.284973 | | |
| target VehDyn Per1 HwTorque HwNm f32.value | -4.19000006 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | -75 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | -913.679993 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 1 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | 349.98999 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | 8.19999981 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 0 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 128 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 | 1 | 11000 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 2760420809 | 2760420809 | • |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 2967684784 | 2967684784 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -913.679993 | -913.679993 ± 0.0009 | • |
| VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32 | -913.679993 | -913.679993 ± 0.0009 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | • |
| VehDyn AutoCntrDetSpd M str.Filter2Enable Cnt lgc | 1 | 1 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 4164171008 | 4164171008 | • |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 2967684784 | 2967684784 | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -913.679993 | -913.679993 ± 0.0009 | • |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -913.679993 | -913.679993 ± 0.0009 | |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_Igc | 0 | 0 | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_Igc | 1 | 1 | • |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 4164171008 | 4164171008 | • |
| VehDyn AutoCntrLoSpd M str.Timer2 mS u32 | 2967684784 | 2967684784 | |
| VehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32 | -913.679993 | -913.679993 ± 0.0009 | • |
| VehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32 | -913.679993 | -913.679993 ± 0.0009 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | • |
| VehDyn AutoCntrLoSpd M str.Filter2Enable Cnt Igc | 1 | 1 | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | • |
| VehDyn AutoCntrLoSpd M str.Filter2Initialized Cnt Igc | 0 | 0 | • |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 | 0 | • |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 | 0 | • |
| VehDyn_MaxOffset_HwDeg_M_f32 | 1440.10999 | 1440.10999 | |
| VehDyn_MinOffset_HwDeg_M_f32 | 467.329987 | 467.329987 | • |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | -14.794982 | -14.794982 ± 0.00009 | |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 4178051584 | 4178051584 | • |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 1 | 1 ± 0.004 | • |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | -1600 | -1600 ± 0.1 | • |

| T | | | | ✓ |
|----------------------------------------------------|-------|----------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | • |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | • |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ✓ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | • |
| Rte Call VehDvn Per1 CP1 ChecknointReached | 1 | Rte Call VehDyn Per1 CP1 ChecknointReached | 1 | _ |

| Test Step 2.206 (Repeat Count = 1) | √ |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|
| Name | Input Value |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| GetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |



| Name | Input Value |
|------------------------------------------------------------------|-----------------------------------------------------------------------|
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 290.299988 |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 32.2999992 |
| /ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 18.2999992 |
| /ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 96.3000031 |
| /ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 32821 |
| /ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 14442 |
| /ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 3589476707 |
| /ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 3796740682 |
| /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 476.670013 |
| /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.00092000002 |
| /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 476.670013 |
| /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.00092000002 |
| /ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| /ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| /ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| /ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| , _ , | |
| /ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 126.599998 |
| /ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 42.5999985 |
| /ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 4.599999 |
| /ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 63.4000015 |
| /ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 25532 |
| /ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 27401 |
| /ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 3589476707 |
| /ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 3796740682 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 476.670013 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000720000011 |
| /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 476.670013 |
| /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000432000001 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| /ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| /ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| /ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 126.5 |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 88.5 |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 2.5 |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 75.5 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 10412 |
| VehDyn AutoCntrLoSpd M str.Timer2Thresh mS u16 | 3277 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 3589476707 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 3796740682 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 476.670013 |
| | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 7.15999995e-005 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 476.670013 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.00092000002 |
| /ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| /ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| /ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 1 |
| /ehDyn_ForceCenterOffset_HwDeg_M_f32 | 1397.16003 |
| /ehDyn_HiSpdLearnt_Cnt_M_lgc | 1 |
| /ehDyn_Initialize_Cnt_M_lgc | 1 |
| /ehDyn_LoSpdLearnt_Cnt_M_lgc | 1 |
| /ehDyn_MaxOffset_HwDeg_M_f32 | 1425.25 |
| /ehDyn_MinOffset_HwDeg_M_f32 | -557.909973 |
| /ehDyn_PinTrqSV_M_str.SV_Uls_f32 | 7.80000019 |
| /ehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000463000004 |
| /ehDyn_SLPHwAuth_Uls_M_f32 | 0.144999996 |
| /ehDyn_SLPHwPos_HwDeg_M_f32 | 360.25 |
| /ehDyn_SrlHwAgVldTimer_mS_M_u32 | 459322752 |
| c_HiSpdVDAuthority_Uls_f32 | 0.119999997 |
| CHWTgMgnThd HwNm f32 | 9.19999981 |
| C_nwrqiiigriffid_nwiffin_i32 | 1 |
| | 9000 |
| C_SrlHwAgVIdTiThd_mS_u32 C_SveKipRatio_MtrDeapHu/Deg_f23 | |
| <_SysKinRatio_MtrDegpHwDeg_f32 | 86.6399994 |
| k_TravelXCDeadband_Uls_f32 | 43.7099991 |
| x_TraveIXCHwAuthority_UIs_f32 | 0.248150006 |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 2127166208 |
| target_GetSystemTime_mS_u32_CurrentTime | 437658624 |



| Name | Input Value | | |
|----------------------------------------------------------------------|----------------------------------------|-----------------------|----------|
| target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTin | • | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 |) | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f3 | 2 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRac | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f3 | | |
| target Rte Inst Ap VehDyn.VehDyn Per1 SensorlessAuthority Uls f32 | target VehDyn Per1 SensorlessAuthority | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_H | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc | WDC9_132 | |
| target Rte Inst Ap VehDyn.VehDyn Per1 SrlHwAg HwDeg f32 | target VehDyn Per1 SrlHwAg HwDeg f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_MtrI | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc | target VehDyn Per1 VehicleSpeedValid C | | |
| | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph_f3 | 32 | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | 948.716003 | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | -4.30000019 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | -759.099976 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | 476.670013 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 1 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | 360.25 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | 4.5999999 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 0 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 489 | 1 | |
| Name | Actual Value | Expected Value | Result |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 3589476707 | 3589476707 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 3796740682 | 3796740682 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 476.670013 | 476.670013 ± 0.0009 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 476.670013 | 476.670013 ± 0.0009 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 437658624 | 437658624 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 3796740682 | 3796740682 | • |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 476.670013 | 476.670013 ± 0.0009 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 476.670013 | 476.670013 ± 0.0009 | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 3589476707 | 3589476707 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 3796740682 | 3796740682 | • |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 476.670013 | 476.670013 ± 0.0009 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 476.670013 | 476.670013 ± 0.0009 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_Igc | 0 | 0 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_Igc | 1 | 1 | |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 | 1 | • |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | |
| VehDyn LoSpdLearnt Cnt M Igc | 1 | 1 | · |
| VehDyn_MaxOffset_HwDeg_M_f32 | 472.04599 | 472.04599 | |
| VehDyn_MinOffset_HwDeg_M_f32 | -557.909973 | -557.909973 | - |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 7.79442263 | 7.79442215 ± 0.000009 | |
| | | | - |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 459322752 | 459322752 | |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 1 | 1 ± 0.004 | |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | -920.48999 | -920.48999 ± 0.1 | |

| T | | | | ✓ |
|-------------------------------------------------------|-------|-------------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Rte Call VehDyn Per1 CP1 CheckpointReached | 1 | Rte Call VehDyn Per1 CP1 CheckpointReached | 1 | ~ |

| Test Step 2.207 (Repeat Count = 1) | ✓ |
|--------------------------------------|--------------------------------------------|
| Name | Input Value |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |



| Name | Input Value |
|--------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|
| GetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 |
| /ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 570.400024 |
| /ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 246.399994 |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 14.3999996 |
| /ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 96.4000015 |
| /ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 21335 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 39056 |
| VehDyn AutoCntrDetSpd M str.Timer1 mS u32 | 2967684784 |
| /ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 3174948758 |
| /ehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32 | 385.579987 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000921999977 |
| VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32 | 385.579987 |
| /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000921999977 |
| /ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| /ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| /ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| · - · · | 1 |
| /ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 78.4000015 |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 226.600006 |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 3.4000001 |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 32.5999985 |
| /ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 53970 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 52282 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 2967684784 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 3174948758 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 385.579987 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000722000026 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 385.579987 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000436000002 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1. |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 78.1999969 |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 52.2000008 |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 14.199998 |
| VehDyn AutoCntrLoSpd M str.CntrWindow HwDeg f32 | 41.2000008 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 26195 |
| VehDyn_AutoCntrLoSpd_M_str.Timer*Thresh_mS_u16 | 22037 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2111estr_ins_u16 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 2967684784 |
| | 11.11.1 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 3174948758 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 385.579987 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 7.1800001e-005 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 385.579987 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000921999977 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| /ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 1 |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | 1497.06995 |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 |
| VehDyn_Initialize_Cnt_M_lgc | 1 |
| /ehDyn_LoSpdLearnt_Cnt_M_lgc | 1 |
| VehDyn_MaxOffset_HwDeg_M_f32 | -1302.15002 |
| VehDyn MinOffset HwDeg M f32 | -1440.10999 |
| /ehDyn_PinTrqSV_M_str.SV_UIs_f32 | 17.7999992 |
| /ehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000464000012 |
| /ehDyn_SLPHwAuth_Uls_M_f32 | 0.153999999 |
| VehDyn_SLPHwPos_HwDeg_M_f32 | 370.51001 |
| VenDyn_StPnwPos_nwDeg_ivi_isz VehDyn_SrlHwAgVldTimer_mS_M_u32 | 1391465216 |
| , | |
| K_HiSpdVDAuthority_UIs_f32 K_HispdVDAuthority_UIs_f32 | 0.75999999 |
| <_HwTqMgnThd_HwNm_f32 <_Ha02adV(20 th arithmatika LUI = 620 | 5.25 |
| k_LoSpdVDAuthority_Uls_f32 | 1 |
| k_SrlHwAgVldTiThd_mS_u32 | 1000 |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 52.5400009 |
| k_TravelXCDeadband_Uls_f32 | 45.2799988 |
| k_TraveIXCHwAuthority_Uls_f32 | 0.249375001 |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 4243378688 |
| | 12.001.0000 |



| Name | Input Value | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|--------|
| target_GetSystemTime_mS_u32_CurrentTime | 3941357312 | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi | 824746752 | | |
| | 2644937728 | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 | | |
| target Rte Inst Ap VehDyn.VehDyn Per1 CwEOT HwDeg f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target VehDyn Per1 HwTorque HwNm f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRad | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f3: | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_U | | |
| target Rte Inst Ap VehDyn.VehDyn Per1 SensorlessHwPos HwDeg f32 | target_VehDyn_Per1_SensorlessHwPos_Hw | | |
| target Rte Inst Ap VehDyn.VehDyn Per1 SrlHwAgVld Cnt Igc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc | 0_ | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 | | |
| target Rte Inst Ap VehDyn.VehDyn Per1 TorqueCmdCRF MtrNm f32 | target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc | target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph_f32 | | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -461.790009 | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 943.146973 | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | -4.40999985 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | 159.009995 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | 385.579987 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 1 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | 370.51001 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | -8.39999962 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 1 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 139.270004 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn AllowHiSpdAutoCntr Cnt M Igc | 1 | 1 | Result |
| VenDyn_AilowniSpdAuloCnti_Cnt_iw_igc VenDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 2967684784 | 2967684784 | |
| | 3174948758 | 3174948758 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | | | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 385.579987 | 385.579987 ± 0.0009 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 385.579987 | 385.579987 ± 0.0009 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 | | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | | 0 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | | |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 3941357312 3174948758 | 3941357312 3174948758 | |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | | 385.579987 ± 0.0009 | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 385.579987 | 385.579987 ± 0.0009 | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 | 385.579987 | | |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_Igc | 0 | 0 | |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 | | |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | |
| | | | |
| | 0 | 0 | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 2967684784 | 2967684784 | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 2967684784 3174948758 | 2967684784 3174948758 | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 2967684784 3174948758 385.579987 | 2967684784 3174948758 385.579987 ± 0.0009 | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 2967684784 3174948758 385.579987 385.579987 | 2967684784 3174948758 385.579987 ± 0.0009 385.579987 ± 0.0009 | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 2967684784 3174948758 385.579987 385.579987 | 2967684784 3174948758 385.579987 ± 0.0009 385.579987 ± 0.0009 | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 2967684784 3174948758 385.579987 385.579987 1 | 2967684784 3174948758 385.579987 ± 0.0009 385.579987 ± 0.0009 1 | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 2967684784 3174948758 385.579987 385.579987 1 0 | 2967684784 3174948758 385.579987 ± 0.0009 385.579987 ± 0.0009 1 0 | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 2967684784 3174948758 385.579987 385.579987 1 0 0 | 2967684784 3174948758 385.579987 ± 0.0009 385.579987 ± 0.0009 1 0 0 | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc | 2967684784 3174948758 385.579987 385.579987 1 0 0 0 | 2967684784 3174948758 385.579987 ± 0.0009 385.579987 ± 0.0009 1 0 0 | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc | 2967684784 3174948758 385.579987 385.579987 1 0 0 0 | 2967684784 3174948758 385.579987 ± 0.0009 385.579987 ± 0.0009 1 0 0 1 | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc | 2967684784 3174948758 385.579987 385.579987 1 0 0 0 1 1 | 2967684784 3174948758 385.579987 ± 0.0009 385.579987 ± 0.0009 1 0 0 1 1 1 | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32 | 2967684784 3174948758 385.579987 385.579987 1 0 0 0 1 1 1 1 -1302.15002 | 2967684784 3174948758 385.579987 ± 0.0009 385.579987 ± 0.0009 1 0 0 1 1 1 1 1 -1302.15002 | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32 | 2967684784 3174948758 385.579987 385.579987 1 0 0 0 1 1 1 1-1302.15002 -847.369995 | 2967684784 3174948758 385.579987 ± 0.0009 385.579987 ± 0.0009 1 0 0 1 1 1 1 -1302.15002 -847.369995 | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32 VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 2967684784 3174948758 385.579987 385.579987 1 0 0 1 1 1 1 1-1302.15002 -847.369995 17.7896194 | 2967684784 3174948758 385.579987 ± 0.0009 385.579987 ± 0.0009 1 0 0 1 1 1 1 1 -1302.15002 -847.369995 17.7896194 ± 0.00009 | |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_IiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32 VehDyn_PinTrqSV_M_str.SV_Uls_f32 VehDyn_SrlHwAgVldTimer_mS_M_u32 | 2967684784 3174948758 385.579987 385.579987 1 0 0 1 1 1 1 1-1302.15002 -847.369995 17.7896194 1391465216 | 2967684784 3174948758 385.579987 ± 0.0009 385.579987 ± 0.0009 1 0 0 1 1 1 1 1 -1302.15002 -847.369995 17.7896194 ± 0.00009 1391465216 | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32 VehDyn_PinTrqSV_M_str.SV_UIs_f32 | 2967684784 3174948758 385.579987 385.579987 1 0 0 1 1 1 1 1-1302.15002 -847.369995 17.7896194 | 2967684784 3174948758 385.579987 ± 0.0009 385.579987 ± 0.0009 1 0 0 1 1 1 1 1 -1302.15002 -847.369995 17.7896194 ± 0.00009 | |

| T · | | | | ✓ |
|-------------------------------------------------------|-------|-------------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32 | 1 | ✓ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |



| Test Step 2.208 (Repeat Count = 1) | In a Value |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|
| Name | Input Value |
| OtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| SetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| tte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| tte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 |
| ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 497.100006 |
| ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 123.099998 |
| ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 18.1000004 |
| /ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 45.0999985 |
| ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 12258 |
| ehDyn AutoCntrDetSpd M str.Timer2Thresh mS u16 | 27401 |
| ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 3174948758 |
| ehDyn_AutoCntrDetSpd_M_str.Timer1_m3_u32 | 3382212733 |
| , | |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1377.90002 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000923999993 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1377.90002 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000923999993 |
| ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 88.6500015 |
| ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 236.580002 |
| ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 1.64999998 |
| ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 52.5 |
| ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 20423 |
| ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 31368 |
| ehDyn AutoCntrHiSpd M str.Timer1 mS u32 | 3174948758 |
| ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 3382212733 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV HwDeg_str.SV Uls f32 | -1377.90002 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000723999983 |
| | |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1377.90002 |
| /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000440000003 |
| /ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| /ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| /ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 88.5 |
| ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 34.5 |
| /ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 12.5 |
| ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 63.5 |
| ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 43190 |
| ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 3186 |
| /ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 3174948758 |
| /ehDyn AutoCntrLoSpd M str.Timer2 mS u32 | 3382212733 |
| ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1377.90002 |
| ehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32 | 7.20000025e-005 |
| ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.N_0is_i32 | -1377.90002 |
| ehDyn_AutoCntrLoSpd_M_str.ReiHwPosFilt2SV_HwDeg_str.Sv_ois_is2 | 0.000923999993 |
| · - · · | 0.000923999993 |
| ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | · |
| ehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| ehDyn_ForceCenterEnabled_Cnt_M_lgc | 1 |
| ehDyn_ForceCenterOffset_HwDeg_M_f32 | 1596.97998 |
| ehDyn_HiSpdLearnt_Cnt_M_lgc | 0 |
| ehDyn_Initialize_Cnt_M_lgc | 1 |
| ehDyn_LoSpdLearnt_Cnt_M_lgc | 0 |
| ehDyn_MaxOffset_HwDeg_M_f32 | 1298.25 |
| ehDyn_MinOffset_HwDeg_M_f32 | 2840 |
| ehDyn_PinTrqSV_M_str.SV_Uls_f32 | -7 |
| ehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.00046499999 |
| ehDyn SLPHwAuth Uls M f32 | 0.163000003 |
| ehDyn_SLPHwAutii_Uis_wi_i32 ehDyn_SLPHwPos_HwDeg_M_f32 | 380.769989 |
| · | |
| ehDyn_SrlHwAgVldTimer_mS_M_u32 | 2212175616 |
| _HiSpdVDAuthority_Uls_f32 | 0.779999971 |
| _HwTqMgnThd_HwNm_f32 | 1.10000002 |
| _LoSpdVDAuthority_Uls_f32 | 0 |
| _SrlHwAgVldTiThd_mS_u32 | 20045 |
| _SysKinRatio_MtrDegpHwDeg_f32 | 10.0500002 |



| Name | Input Value | | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|--|
| k TravelXCDeadband Uls f32 | 46.8499985 | | | |
| k_TraveIXCHwAuthority_Uls_f32 | 0.25060001 | | | |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 1050692864 | | | |
| target_GetSystemTime_mS_u32_CurrentTime | 3304439296 | | | |
| target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 Elapsed | | | | |
| | | | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTim | | - 100 | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDe | - | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwN | _ | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_M | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwD | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAutho | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVId_Cnt_Igc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc | target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_K | target_VehDyn_Per1_VehicleSpeed_Kph_f32 | | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -469.51001 | | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 937.578003 | | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | -4.51999998 | | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | 1100.73999 | | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | -1377.90002 | | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 1 | | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | 380.769989 | | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | 4.9000001 | | | |
| target VehDyn Per1 VehicleSpeedValid Cnt lgc.value | 0 | | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 387.859985 | | | |
| Name | Actual Value | Expected Value | Result | |
| | 1 | 1 | Result | |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | | | | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 3174948758 | 3174948758 | | |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 3382212733 | 3382212733 | | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1377.90002 | -1377.90002 ± 0.009 | | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1377.90002 | -1377.90002 ± 0.009 | • | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | | 1 | ▼ | |
| | 1 | | | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | • | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 0 | • | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 1 0 | 1 0 | | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 1 1 0 3304439296 | 1 0 3304439296 | | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1 1 0 3304439296 3382212733 | 1 0 3304439296 3382212733 | • | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1 1 0 3304439296 3382212733 -1377.90002 | 1 0 3304439296 3382212733 -1377.90002 ± 0.009 | • | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 1 1 0 3304439296 3382212733 -1377.90002 | 1 0 3304439296 3382212733 -1377.90002 ± 0.009 -1377.90002 ± 0.009 | | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1 1 0 3304439296 3382212733 -1377.90002 -1377.90002 | 1 0 3304439296 3382212733 -1377.90002 ± 0.009 -1377.90002 ± 0.009 0 | | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 1 0 3304439296 3382212733 -1377.90002 -1377.90002 0 | 1 0 3304439296 3382212733 -1377.90002 ± 0.009 -1377.90002 ± 0.009 0 | | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 1 0 3304439296 3382212733 -1377.90002 -1377.90002 0 | 1 0 3304439296 3382212733 -1377.90002 ± 0.009 -1377.90002 ± 0.009 0 | | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 1 0 3304439296 3382212733 -1377.90002 -1377.90002 0 0 | 1 0 3304439296 3382212733 -1377.90002 ± 0.009 -1377.90002 ± 0.009 0 0 | | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 1 1 0 3304439296 3382212733 -1377.90002 -1377.90002 0 0 1 3304439296 3382212733 | 1 0 3304439296 3382212733 -1377.90002 ± 0.009 -1377.90002 ± 0.009 0 0 1 3304439296 3382212733 | | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1 1 0 3304439296 3382212733 -1377.90002 -1377.90002 0 0 0 1 1 3304439296 3382212733 -1377.90002 | 1 0 3304439296 3382212733 -1377.90002 ± 0.009 -1377.90002 ± 0.009 0 0 1 3304439296 3382212733 -1377.90002 ± 0.009 | | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1 1 0 3304439296 3382212733 -1377.90002 -1377.90002 0 0 1 1 3304439296 3382212733 -1377.90002 -1377.90002 | 1 0 3304439296 3382212733 -1377.90002 ± 0.009 -1377.90002 ± 0.009 0 0 1 3304439296 3382212733 -1377.90002 ± 0.009 -1377.90002 ± 0.009 | | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 1 0 3304439296 3382212733 -1377.90002 -1377.90002 0 0 1 1 3304439296 3382212733 -1377.90002 0 | 1 0 3304439296 3382212733 -1377.90002 ± 0.009 -1377.90002 ± 0.009 0 0 1 3304439296 3382212733 -1377.90002 ± 0.009 -1377.90002 ± 0.009 0 | | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 1 0 3304439296 3382212733 -1377.90002 -1377.90002 0 0 1 3304439296 3382212733 -1377.90002 -1377.90002 | 1 0 3304439296 3382212733 -1377.90002 ± 0.009 -1377.90002 ± 0.009 0 0 1 3304439296 3382212733 -1377.90002 ± 0.009 -1377.90002 ± 0.009 0 | | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLiSpd_M_str.Filter1_mitialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 1 0 3304439296 3382212733 -1377.90002 -1377.90002 0 0 1 3304439296 3382212733 -1377.90002 -1377.90002 0 | 1 0 3304439296 3382212733 -1377.90002 ± 0.009 -1377.90002 ± 0.009 0 0 1 3304439296 3382212733 -1377.90002 ± 0.009 -1377.90002 ± 0.009 0 1 1 | | |
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| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_ButcCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_ButcCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_ButcCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_ButcCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_ButcCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_ButcCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 1 0 3304439296 3382212733 -1377.90002 -1377.90002 0 0 1 1 3304439296 3382212733 -1377.90002 -1377.90002 0 1 1 1 0 1 0 1298.25 2840 -6.99862003 | 1 0 3304439296 3382212733 -1377.90002 ± 0.009 -1377.90002 ± 0.009 0 0 1 3304439296 3382212733 -1377.90002 ± 0.009 -1377.90002 ± 0.009 0 1 1 1 0 1 1 0 1298.25 2840 -6.99862003 ± 0.000009 | | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_PinTrqSV_M_str.SV_Uls_f32 VehDyn_PinTrqSV_M_str.SV_Uls_f32 VehDyn_SrlHwAgVldTimer_mS_M_u32 | 1 1 0 3304439296 3382212733 -1377.90002 -1377.90002 0 0 1 1 3304439296 3382212733 -1377.90002 -1377.90002 0 1 1 1 0 1 0 1298.25 2840 -6.99862003 2212175616 | 1 0 3304439296 3382212733 -1377.90002 ± 0.009 -1377.90002 ± 0.009 0 0 1 3304439296 3382212733 -1377.90002 ± 0.009 -1377.90002 ± 0.009 0 1 1 1 0 1 0 1298.25 2840 -6.99862003 ± 0.000009 2212175616 | | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_ButCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_ButCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_Piltallize_Cnt_M_lgc VehDyn_ButCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 1 0 3304439296 3382212733 -1377.90002 -1377.90002 0 0 1 1 3304439296 3382212733 -1377.90002 -1377.90002 0 1 1 1 0 1 0 1298.25 2840 -6.99862003 | 1 0 3304439296 3382212733 -1377.90002 ± 0.009 -1377.90002 ± 0.009 0 0 1 3304439296 3382212733 -1377.90002 ± 0.009 -1377.90002 ± 0.009 0 1 1 1 0 1 1 0 1298.25 2840 -6.99862003 ± 0.000009 | | |



| T | | | | ✓ |
|----------------------------------------------------|-------|----------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | • |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |

| est Step 2.209 (Repeat Count = 1) ame | Input Value |
|-------------------------------------------------------------------|--------------------------------------------------------------------------|
| trmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| etSystemTime mS u32(CurrentTime) | target GetSystemTime mS u32 CurrentTime |
| | |
| te_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| te_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| te_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 |
| ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 31.2000008 |
| ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 125.199997 |
| ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 16.2000008 |
| ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 78.1999969 |
| ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 29076 |
| ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 18715 |
| ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 3382212733 |
| ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 3589476707 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1380.59998 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000926000008 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1380.59998 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000926000008 |
| ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 94.5999985 |
| ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 246 |
| ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 2.5999999 |
| ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 41 |
| ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 7034 |
| ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 39056 |
| ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 3382212733 |
| ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 3589476707 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1380.59998 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000725999998 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1380.59998 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000444000005 |
| ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| ehDyn AutoCntrHiSpd M str.Filter1Initialized Cnt Igc | 1 |
| ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 94.3000031 |
| ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 18.5 |
| ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 10.5 |
| ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 88.3000031 |
| ehDyn AutoCntrLoSpd M str.Timer1Thresh mS u16 | 30404 |
| ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 30349 |
| ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 3382212733 |
| ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 3589476707 |
| ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1380.59998 |
| ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 7.21999968e-005 |
| ehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32 | -1380.59998 |
| hDyn_AutoCntrLoSpd_M_str.RelHwPosFitt2SV_HwDeg_str.K_Uls_f32 | 0.000926000008 |
| ehDyn AutoCnttLoSpd M str.Filter1Enable Cnt lgc | 1 |
| enDyn_AutoCntrLoSpd_M_str.FilterTenable_Cnt_igc | 0 |
| , = | 0 |
| ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | |
| ehDyn_ForceCenterEnabled_Cnt_M_lgc | 1 |
| ehDyn_ForceCenterOffset_HwDeg_M_f32 | -1500.22998 |
| ehDyn_HiSpdLearnt_Cnt_M_lgc | 1 |



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| Name | Input Value | | |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | | |
| VehDyn_MaxOffset_HwDeg_M_f32 | -1294.34998 | | |
| VehDyn_MinOffset_HwDeg_M_f32 | -1242.25 | | |
| VehDyn_PinTrqSV_M_str.SV_UIs_f32 | 6.30000019 | | |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000465999998 | | |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.172000006 391.029999 | | |
| VehDyn_SLPHwPos_HwDeg_M_f32 VehDyn_SrlHwAgVldTimer_mS_M_u32 | 2059598336 | | |
| k_HiSpdVDAuthority_Uls_f32 | 0.233999997 | | |
| k HwTqMgnThd HwNm f32 | 1.20000005 | | |
| k_LoSpdVDAuthority_Uls_f32 | 1 | | |
| k_SrlHwAgVldTiThd_mS_u32 | 951 | | |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 25.5499992 | | |
| k_TravelXCDeadband_Uls_f32 | 48.4199982 | | |
| k_TravelXCHwAuthority_Uls_f32 | 0.251825005 | | |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 3039943680 | | |
| target_GetSystemTime_mS_u32_CurrentTime | 2167769344 | | |
| $target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedT$ | 2728878080 | | |
| $target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTim$ | 2059598336 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRad | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f3 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_U | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_Hv | VDeg_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_MtrN target_VehDyn_Per1_VehicleSpeedValid_Ci | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph_f3 | | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -477.230011 | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 932.008972 | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | -4.63000011 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | 154.449997 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | -1380.59998 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 1 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | 391.029999 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | 5.5999999 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 1 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 398.880005 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 | 1 | - |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 3382212733 | 3382212733 | • |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 3589476707 | 3589476707 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1380.59998 | -1380.59998 ± 0.009 | • |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1380.59998 | -1380.59998 ± 0.009 | - |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 2167769344 | 2167769344 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 3589476707 | 3589476707 | • |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1380.59998 | -1380.59998 ± 0.009 | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1380.59998 | -1380.59998 ± 0.009 | |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | |
| VehDyn_AutoCntrloSpd_M_str.Timer1_mS_u32 | 3382212733 | 3382212733 | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 3589476707 | 3589476707 | |
| VehDyn_AutoCntrLoSpd_M_str.Tinler2_ms_us2 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1380.59998 | -1380.59998 ± 0.009 | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1380.59998 | -1380.59998 ± 0.009 | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | - |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 | 1 | • |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | - |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | 1 | ✓ |
| VehDyn_MaxOffset_HwDeg_M_f32 | -1294.34998 | -1294.34998 | ✓ |
| VehDyn_MinOffset_HwDeg_M_f32 | 903.369995 | 903.369995 | • |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 6.29500914 | 6.29500866 ± 0.000009 | |
| | | | |



| Name | Actual Value | Expected Value | Result |
|------------------------------------------------------|--------------|------------------|----------|
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 2059598336 | 2059598336 | ~ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 1 | 1 ± 0.004 | ~ |
| target VehDyn Per1 SensorlessHwPos HwDeg f32.value | 119.630005 | 119.629997 ± 0.1 | ✓ |

| T | | | | V |
|----------------------------------------------------|-------|----------------------------------------------------|-------|--------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |

| ame | Input Value |
|---------------------------------------------------------------------------|--------------------------------------------------------------------------|
| trmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| etSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| te_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| te_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| te_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 |
| ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 290.299988 |
| ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 32.2999992 |
| ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 18.2999992 |
| ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 96.3000031 |
| ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 32821 |
| ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 14442 |
| ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 3589476707 |
| ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 3796740682 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 703.02002 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000928000023 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 703.02002 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000928000023 |
| ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 126.300003 |
| ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 42.5999985 |
| ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 4.30000019 |
| ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 63.5999985 |
| ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 25532 |
| ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 27401 |
| ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 3589476707 |
| ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 3796740682 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 703.02002 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000728000014 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 703.02002 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000448000006 |
| ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 126.599998 |
| ehDyn AutoCntrLoSpd M str.VehSpd kph f32 | 88.300031 |
| ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 2.29999995 |
| ehDyn AutoCntrLoSpd M str.CntrWindow HwDeg f32 | 75.5 |
| ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 10412 |
| ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 3277 |
| ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 3589476707 |
| ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 3796740682 |
| ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 703.02002 |
| ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 7.23999983e-005 |
| ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 703.02002 |
| ehDyn_AutoChtrLoSpd_M_str.ReiHwPosFilt2SV_HwDeg_str.Sv_Uis_i32 | 0.000928000023 |
| · - · · | 0.000926000023 |
| ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| ehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | |
| ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | |
| ehDyn_ForceCenterEnabled_Cnt_M_lgc ehDyn ForceCenterOffset HwDeg M f32 | 0 -1400.31995 |



| | | • • | | |
|------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|--------------------|-----------|--|
| Name | Input Value | | | |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 | | | |
| VehDyn_Initialize_Cnt_M_lgc | 1 | | | |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 | | | |
| VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32 | 1290.44995 -524.309998 | | | |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 7.80000019 | | | |
| VehDyn PinTrqSV M str.K Uls f32 | 0.000467000005 | | | |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.180999994 | | | |
| VehDyn_SLPHwPos_HwDeg_M_f32 | 401.290009 | | | |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 633730944 | | | |
| k_HiSpdVDAuthority_Uls_f32 | 1 | | | |
| k_HwTqMgnThd_HwNm_f32 | 6.5 | | | |
| k_LoSpdVDAuthority_UIs_f32 | 0 | | | |
| k_SrlHwAgVldTiThd_mS_u32 | 4856 | | | |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 86.8499985 | | | |
| k_TravelXCDeadband_Uls_f32 | 0 | | | |
| k_TravelXCHwAuthority_UIs_f32 | 0.253049999 | | | |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 1316564736 | | | |
| target_GetSystemTime_mS_u32_CurrentTime | 3714197504 | | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_target_Rte_Call_Ap_VehDyn_SystemTime_CatSystemTime_mS_u32_CurrentTime | | | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 | | | | |
| target Rte Inst Ap VehDyn.VehDyn Per1 CwEOT HwDeg 132 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 target_VehDyn_Per1_CwEOT_HwDeg_f32 | | | |
| target Rte Inst Ap VehDyn.VehDyn Per1 HwTorque HwNm f32 | target VehDyn Per1 HwTorque HwNm f32 | 2 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target VehDyn Per1 MotorVelCRF MtrRad | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f3 | · - | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target VehDyn Per1 SensorlessAuthority U | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_Hv | _ | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc | | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_MtrN | Nm_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc | target_VehDyn_Per1_VehicleSpeedValid_C | nt_lgc | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph_f3 | 32 | | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -484.950012 | | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 926.440002 | | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | -4.73999977 | | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | -759.400024 | | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | 703.02002 | | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32_value | 1 401.290009 | | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | 4.5999999 | | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 0 | | | |
| target VehDyn Per1 VehicleSpeed Kph f32.value | 489 | | | |
| Name | Actual Value | Expected Value | Result | |
| VehDyn AllowHiSpdAutoCntr Cnt M Igc | 1 | 1 | - 100 uni | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 3589476707 | 3589476707 | • | |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 3796740682 | 3796740682 | - | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 703.02002 | 703.02002 ± 0.0009 | • | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 703.02002 | 703.02002 ± 0.0009 | - | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | • | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | - | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ~ | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ~ | |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 3714197504 | 3714197504 | • | |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 3796740682 | 3796740682 | ~ | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 703.02002 | 703.02002 ± 0.0009 | _ | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 703.02002 | 703.02002 ± 0.0009 | ~ | |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | • | |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | | |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str_Filter2Initialized_Cnt_lgc | 0 | 0 | Ĭ | |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 3714197504 | 3714197504 | Ĭ | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 3796740682 | 3796740682 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 703.02002 | 703.02002 ± 0.0009 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 703.02002 | 703.02002 ± 0.0009 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | - | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | - | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | - | |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 | 0 | - | |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | ~ | |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 | 0 | ~ | |
| VehDyn_MaxOffset_HwDeg_M_f32 | 223.419983 | 223.419998 | ✓ | |
| | | | | |



| Name | Actual Value | Expected Value | Result |
|------------------------------------------------------|--------------|-----------------------|--------|
| VehDyn_MinOffset_HwDeg_M_f32 | -524.309998 | -524.309998 | ✓ |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 7.79416895 | 7.79416847 ± 0.000009 | ~ |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 633730944 | 633730944 | ✓ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 1 | 1 ± 0.004 | ✓ |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | 401.290009 | 401.290009 ± 0.1 | ✓ |

| Т | | | | ✓ |
|-------------------------------------------------------|-------|-------------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |

| ame | Input Value |
|---------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|
| trmnElapsedTime mS u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| etSystemTime_ms_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| te_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| te Call Ap VehDyn SystemTime GetSystemTime mS u32(CurrentTime) | target Rte Call Ap VehDyn SystemTime GetSystemTime mS u32 CurrentTime |
| te_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| hDyn AllowHiSpdAutoCntr Cnt M Igc | 0 |
| hDyn AutoCntrDetSpd M str.MtrVel MtrRadpS f32 | 604.099976 |
| ehDyn AutoCntrDetSpd M str.VehSpd kph f32 | 124.099998 |
| hDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 8.10000038 |
| hDyn AutoCntrDetSpd M str.CntrWindow HwDeg f32 | 32.0999985 |
| hDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 40437 |
| hDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 52716 |
| hDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 3796740682 |
| hDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 4004004656 |
| hDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 829.530029 |
| hDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.00092999998 |
| hDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 829.530029 |
| hDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.00092999998 |
| hDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0.00032393930 |
| hDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| hDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| hDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| hDyn AutoCntrHiSpd M str.MtrVel MtrRadpS f32 | 124.300003 |
| hDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 124.300003 |
| hDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 6.30000019 |
| hDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 88 |
| hDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 21364 |
| | 52716 |
| hDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 hDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 3796740682 |
| | |
| hDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 4004004656 829.530029 |
| | 0.000730000029 |
| hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | |
| hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 829.530029 |
| hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000452000007 |
| hDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| hDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | |
| hDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| nDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| Dyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 124.300003 |
| hDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 76.599985 |
| hDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 4.599999 |
| Dyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 97.5999985 |
| nDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 16683 |
| Dyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 22497 |
| nDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 3796740682 |
| nDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 4004004656 |
| hDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 829.530029 |
| hDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 7.25999998e-005 |
| hDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 829.530029 |
| hDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.00092999998 |
| hDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 0 |



| | | (| 10-10 |
|------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------|----------|
| Name | Input Value | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | | |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 0 | | |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | -1300.41003 1 | | |
| VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn Initialize Cnt M lgc | 0 | | |
| VehDyn LoSpdLearnt Cnt M Igc | 1 | | |
| VehDyn_MaxOffset_HwDeg_M_f32 | 1286.55005 | | |
| VehDyn_MinOffset_HwDeg_M_f32 | -537.75 | | |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 3.20000005 | | |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000468000013 | | |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.189999998 | | |
| VehDyn_SLPHwPos_HwDeg_M_f32 | 411.549988 | | |
| VehDyn_SrlHwAgVIdTimer_mS_M_u32 | 2659241984 | | |
| k_HiSpdVDAuthority_Uls_f32 k_HwTqMgnThd_HwNm_f32 | 0.00120000006 | | |
| k_LoSpdVDAuthority_Uls_f32 | 1 | | |
| k_SrlHwAgVldTiThd_mS_u32 | 90 | | |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 56.3300018 | | |
| k_TravelXCDeadband_Uls_f32 | 100 | | |
| k_TraveIXCHwAuthority_UIs_f32 | 0.254274994 | | |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 2075080192 | | |
| target_GetSystemTime_mS_u32_CurrentTime | 3323480832 | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedT | | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime target Rte Inst Ap VehDyn.VehDyn Per1 CcwEOT HwDeg f32 | 2659241984 target_VehDyn_Per1_CcwEOT_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target VehDyn Per1 CwEOT HwDeg f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f32 | 2 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRad | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f3 | 2 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_L | Jls_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_Hw | vDeg_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc | target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc target_VehDyn_Per1_VehicleSpeed_Kph_f32 | | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -492.670013 | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 920.870972 | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | -4.8499999 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | -759.549988 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | 829.530029 | | |
| target_VehDyn_Per1_SrlHwAg_HwDg_f33_velue | 0 411.549988 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | -7.30000019 | | |
| target VehDyn Per1 VehicleSpeedValid Cnt Igc.value | 1 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 500 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 3323480832 | 3323480832 | - |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 4004004656 | 4004004656 | - |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 829.530029 | 829.530029 ± 0.0009 | - |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 829.530029 | 829.530029 ± 0.0009 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 3796740682 | 3796740682 | |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 4004004656 | 4004004656 | - |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 829.530029 | 829.530029 ± 0.0009 | • |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 829.530029 | 829.530029 ± 0.0009 | - |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrl+iSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 2706740692 | • |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 3796740682 4004004656 | 3796740682 4004004656 | |
| VehDyn_AutoCntrLoSpd_M_str.1Imer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 829.530029 | 829.530029 ± 0.0009 | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 829.530029 | 829.530029 ± 0.0009 | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ✓ |
| | | | |



| Name | Actual Value | Expected Value | Result |
|------------------------------------------------------|--------------|---------------------|----------|
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 | 1 | ✓ |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | ✓ |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | 1 | ✓ |
| VehDyn_MaxOffset_HwDeg_M_f32 | 920.870972 | 920.870972 | ✓ |
| VehDyn_MinOffset_HwDeg_M_f32 | -492.670013 | -492.670013 | ✓ |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 3.196172 | 3.196172 ± 0.000009 | ✓ |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 2659241984 | 2659241984 | ✓ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 0.189999998 | 0.189999998 ± 0.004 | ✓ |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | 1241.08008 | 1241.07996 ± 0.1 | ✓ |

| T | | | | V |
|----------------------------------------------------|-------|----------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |

| ame | Input Value |
|------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|
| trmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| etSystemTime mS u32(CurrentTime) | target GetSystemTime mS u32 CurrentTime |
| te_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedTime |
| te Call Ap VehDyn SystemTime GetSystemTime mS u32(CurrentTime) | target Rte Call Ap VehDyn SystemTime GetSystemTime mS u32 CurrentTime |
| te Inst Ap VehDyn | target_Rte_Inst_Ap_VehDyn |
| ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 |
| ehDyn AutoCntrDetSpd M str.MtrVel MtrRadpS f32 | 554.200012 |
| · - · · · - | 84.199969 |
| ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 ehDyn_AutoCntrDetSpd_M_str.FiltPinTrg_HwNm_f32 | 4.1999981 |
| , = | |
| ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 52.2000008 |
| ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 2291 |
| ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 7778 |
| ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 4004004656 |
| ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 4211268631 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1123.40002 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000931999995 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1123.40002 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000931999995 |
| ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 456.600006 |
| ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 35.2999992 |
| ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 14.6000004 |
| ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 75 |
| ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 33198 |
| ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 7778 |
| ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 4004004656 |
| ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 4211268631 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1123.40002 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000731999986 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1123.40002 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000456000009 |
| ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| hDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 456.200012 |
| ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 86.3000031 |
| hDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 6.19999981 |
| hDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 86 |
| hDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 5235 |
| hDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 27074 |
| ehDyn AutoCntrLoSpd M str.Timer1 mS u32 | 4004004656 |
| ehDyn AutoCntrLoSpd M str.Timer2 mS u32 | 4211268631 |
| ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1123.40002 |
| ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 7.28000014e-005 |
| ehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32 | 1123.40002 |
| ehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32 | 0.000931999995 |



| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc 1 1 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 4004004656 4004004656 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 4211268631 4211268631 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiltSV_HwDeg_str.SV_UIs_f32 1123.40002 1123.40002 ± 0.009 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 1123.40002 1123.40002 ± 0.009 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc 1 1 VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc 1 1 VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 71426560 71426560 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 4211268631 4211268631 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt3V_HwDeg_str.SV_UIs_f32 1123.40002 1123.40002 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 1123.40002 1123.40002 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 | Name | Input Value | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|------------------------------------------|--------------------|--------|
| VeOD_N_COLOR_SE_N_EFFE Infalliations_OT_00 VeOD_N Foroscheet Enables_OT_M Mg VeOD_N Foroscheet Enables_OT_M Mg VeOD_N Foroscheet Enables_OT_M Mg O VeOD_N Foroscheet Nables_OT_M Mg O Ve | VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 | | |
| Victory_Liprocealed Cipile_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_Miles_M | VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 | | |
| Veoluty Enrochment Care M. 1 | VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | | |
| Velotype_Procedent College_Process Velotype_Procedent College_Process Velotype_Process Velotype_Proc | VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | | |
| Verbyn Bissilker M. Jug 9 Vorbyn, Jefold com, Dr. M. Jug 9 Vorbyn, Heckeld M. Jug 9 Vorbyn, Heckeld M. Heckeld M. B2 Vorbyn, Heckeld M. Heckeld M. B2 Vorbyn, Heckeld M. Heckeld M. B2 Vorbyn, Heckeld M. Are V. Uls 92 And Vorbyn, Heckeld M. June 1, Uls 92 And Vorbyn M. June 1, Uls 92 And June 1, Uls 92 And Vorbyn M. June 1, Uls 92 And M. June 1, Uls 93 And Vorbyn M. | VehDyn_ForceCenterEnabled_Cnt_M_lgc | 1 | | |
| Victory Vict | VehDyn_ForceCenterOffset_HwDeg_M_f32 | -1200.5 | | |
| Verbory, Mascriffer, Hudrey, M. 192 Verbory, Mascriffer, Hudrey, M. 192 Verbory, Marchine, Hudrey, M. 192 Verbory, Participal, M. 197 Verbory, M. | VehDyn_HiSpdLearnt_Cnt_M_lgc | | | |
| VARDIN NACOREST NACORES NACOREST NACOREST NACOREST NACORES NAC | VehDyn_Initialize_Cnt_M_lgc | | | |
| VebDy Norther NoCog 102 | VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 | | |
| Section Sect | | -1282.65002 | | |
| Valoring, SIP-Markey, Mark Du, 1922 Valoring, SIP-Markey, Mark Du, 1922 Valoring, SIP-Markey, Markey Du, 1922 **Lifesprotrian ms M, Mu 22 **Lifesprotrian ms | VehDyn_MinOffset_HwDeg_M_f32 | -551.190002 | | |
| VebDys SP-Hardy NebQ M 12 | VehDyn_PinTrqSV_M_str.SV_UIs_f32 | -5.4000001 | | |
| VeDing. SHINAYOR HODE, MIS2 | VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000468999991 | | |
| Vehicle Michael Mich | VehDyn_SLPHwAuth_Uls_M_f32 | 0.199000001 | | |
| Lincological Content | VehDyn_SLPHwPos_HwDeg_M_f32 | 421.809998 | | |
| | VehDyn_SrlHwAgVldTimer_mS_M_u32 | 2942063360 | | |
| K. SHINAMANTHON INTOGRATHON DE 2 | k_HiSpdVDAuthority_Uls_f32 | | | |
| K. Schrikhardo, Michoghardung, 192 | k_HwTqMgnThd_HwNm_f32 | | | |
| K. System Paine Mithogen Prince (P. 12) | | | | |
| K_TrayerCAPAMADITY U.S. 122 15,999.995 | k_SrlHwAgVldTiThd_mS_u32 | 70 | | |
| K_TrewCiChekumorny, Ug. 122 122 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 123696 1 | | | | |
| Single_DimmEligiblestTime_ms_Usi2_EligiblestTime SH400042 Single_DimmEligiblestTime_ms_Usi2_EligiblestT SH47 SH40004 | k_TravelXCDeadband_Uls_f32 | | | |
| Trianger Rec Call Ac VerDry, System Time, Gensystem Time, Ge | k_TravelXCHwAuthority_Uls_f32 | 0.255499989 | | |
| Integer, Rec. Call, Ap. Verbyn, SystemTime, Dirmic BiopestTime, ms. ga. 22. CurrentTime Integer, Rec. Int. Ap. Verbyn, Verbing, Pert CoxeCOT Holog, g. 22. Integer, Rec. Int. Ap. Verbyn, Verbing, Pert CoxeCOT Holog, g. 22. Integer, Rec. Int. Ap. Verbyn, Verbing, Pert CoxeCOT Holog, g. 22. Integer, Rec. Int. Ap. Verbyn, Verbing, Pert Lindor/orga, Holon, g. 22. Integer, Rec. Int. Ap. Verbyn, Verbing, Pert Lindor/orga, Holon, g. 22. Integer, Rec. Int. Ap. Verbyn, Verbing, Pert Lindor/orga, Holon, g. 22. Integer, Rec. Int. Ap. Verbyn, Verbing, Pert Lindor/orga, Holon, g. 22. Integer, Rec. Int. Ap. Verbyn, Verbing, Pert Lindor/orga, Holon, g. 22. Integer, Rec. Int. Ap. Verbyn, Verbing, Pert I. Sensiones-Morthy, Us. 52. Integer, Rec. Int. Ap. Verbyn, Verbing, Pert I. Sensiones-Morthy, Us. 52. Integer, Rec. Int. Ap. Verbyn, Verbing, Pert I. Sensiones-Morthy, Us. 52. Integer, Rec. Int. Ap. Verbyn, Verbing, Pert I. Sensiones-Morthy, Us. 52. Integer, Rec. Int. Ap. Verbyn, Verbing, Pert I. Sensiones-Morthy, Us. 52. Integer, Rec. Int. Ap. Verbyn, Verbing, Pert I. Sensiones-Morthy, Int. 52. Integer, Rec. Int. Ap. Verbyn, Verbing, Pert I. Sensiones-Morthy, Int. 52. Integer, Rec. Int. Ap. Verbyn, Verbing, Pert I. Sensiones-Morthy, Int. 52. Integer, Rec. Int. Ap. Verbyn, Verbing, Pert I. Verbing-Rec. Int. Ap. Verbing, Verbing, Pert I. Ve | target_DtrmnElapsedTime_mS_u32_ElapsedTime | 954802432 | | |
| targe, Re, Call, Ap, VehDyn, SystemTime, GistSystemTime, MS, 122 CurrentTime partinger, Res, Inst.Ap, VehDyn, VehDyn, Pert. CoxCOT, HwDong, 52 target, Res, Inst.Ap, VehDyn, VehDyn, Pert. LeCoT, HwDong, 52 target, Res, Inst.Ap, VehDyn, VehDyn, Pert. LeCoT, HwDong, 52 target, Res, Inst.Ap, VehDyn, VehDyn, Pert. HwTorque, HwMm, 62 target, Res, Inst.Ap, VehDyn, VehDyn, Pert. HwTorque, HwMm, 62 target, Res, Inst.Ap, VehDyn, VehDyn, Pert. HwTorque, HwMm, 62 target, Res, Inst.Ap, VehDyn, VehDyn, Pert. Sessoriess-Marbos, 1902 target, VehD | | | | |
| larget_Rel_inst_Ap_VehDyn_VehDyn_Pert_CnEGT_HWDeg_132 target_VehDyn_Pert_CnEGT_HWDeg_132 target_VehDyn_Pert_NebDyn_Pert_NebDyn_Pert_NebDyn_Pert_NebDyn_Pert_NebDyn_Pert_NebDyn_Pert_NebDyn_Pert_NebDyn_Pert_NebDyn_Pert_NebDyn_Pert_NebDyn_Pert_NebDyn_Pert_NebDyn_Pert_NebDyn_Pert_NebDyn_Pert_NebDyn_Pert_NebDyn_Pert_NebDyn_Pert_NebDyn_Pert_NebDyn_Pert_NebDyn_Pert_NebDyn_Pert_NebDyn_Pert_NebDyn_Pert_NebDyn_Pert_NebDyn_Pert_NebDyn_Pert_NebDyn_Pert_NebDyn_Pert_NebDyn_Pert_NebDyn_Pert_NebDyn_Pert_NebDyn_Pert_NebDyn_Pert_NebDyn_Pert_NebDyn_Pert_NebDyn_Pert_NebDyn_Pert_NebDyn_Pert_NebDyn_Pert_NebDyn_Pert_NebDyn_Pert_NebDyn_Pert_NebDyn_Pert_NebDyn_Pert_NebDyn_Pert_NebDyn_Pert_NebDyn_Pert_NebDyn_Pert_NebDyn_Pert_NebDyn_Pert_NebDyn_Pert_NebDyn_Pert_NebDyn_Pert_NebDyn_Pert_NebDyn_Pert_NebDyn_Pert_NebDyn_Pert_NebDyn_Pert_NebDyn_Pert_NebDyn_Pert_NebDyn_Pert_NebDyn_Pert_NebDyn_Pert_NebDyn_Pert_NebDyn_Pert_NebDyn_Pert_NebDyn_Pert_NebDyn_Pert_NebDyn_Pert_NebDyn_Pert_NebDyn_Pert_NebDyn_Pert_NebDyn_Pert_NebDyn_Pert_NebDyn_Pert_NebDyn_Pert_NebDyn_Pert_NebDyn_Pert_NebDyn_Pert_NebDyn_Pert_NebDyn_Pert_NebDyn_Pert_NebDyn_Pert_NebDyn_Pert_NebDyn_Pert_NebDyn_Pert_NebDyn_Pert_NebDyn_Pert_NebDyn_Pert_NebDyn_Pert_NebDyn_Pert_NebDyn_Pert_NebDyn_Pert_NebDyn_Pert_NebDyn_Pert_NebDyn_Pert_NebDyn_Pert_NebDyn_Pert_NebDyn_Pert_NebDyn_Pert_NebDyn_Pert_NebDyn_Pert_NebDyn_Pert_NebDyn_Pert_NebDyn_Pert_NebDyn_Pert_NebDyn_Pert_NebDyn_Pert_NebDyn_Pert_NebDyn_Pert_NebDyn_Pert_NebDyn_Pert_NebDyn_Pert_NebDyn_Pert_NebDyn_Pert_NebDyn_Pert_NebDyn_Pert_NebDyn_Pert_NebDyn_Pert_NebDyn_Pert_NebDyn_Pert_NebDyn_Pert_NebDyn_Pert_NebDyn_Pert_NebDyn_Pert_NebDyn_Pert_NebDyn_Pert_NebDyn_Pert_NebDyn_Pert_NebDyn_Pert_NebDyn_Pert_NebDyn_Pert_NebDyn_Pert_NebDyn_Pert_NebDyn_Pert_NebDyn_Pert_NebDyn_Pert_NebDyn_Pert_NebDyn_Pert_NebDyn_Pert_NebDyn_Pert_NebDyn_Pert_NebDyn_Pert_NebDyn_Pert_NebDyn_Pert_NebDyn_Pert_NebDyn_Pert_NebDyn_Pert_NebDyn_Pert_NebDyn_Pert_NebDyn_Pert_NebDyn_Pert_NebDyn_Pert_NebDyn_Pert_NebDyn_Pert_NebDyn_Pert_NebDyn_Pert_NebDyn_Pert_NebDyn_Pert_NebDyn_Pert_ | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedT | | | |
| target_Rel_Inst_Ap_VehDyn_VehDyn_Pert_OxEOT_HwDeg_152 target_Rel_Inst_Ap_VehDyn_Pert_HwTorque_HwhNn_f122 target_Rel_Inst_Ap_VehDyn_Pert_HwTorque_HwhNn_f122 target_Rel_Inst_Ap_VehDyn_Pert_HwTorque_HwhNn_f122 target_Rel_Inst_Ap_VehDyn_Pert_NehoteVERF_MRRapS_152 target_Rel_Inst_Ap_VehDyn_Pert_Pert_HwTorque_HwhNn_f122 target_Rel_Inst_Ap_VehDyn_Pert_Pert_Pert_NehoteVERF_MRRapS_152 target_VehDyn_Pert_Rel_Inst_Ap_VehDyn_VehDyn_Pert_Senaoriessathorthy_Ulin_152 target_VehDyn_Pert_Rel_Inst_Ap_VehDyn_VehDyn_Pert_Senaoriessathorthy_Ulin_152 target_VehDyn_Pert_Rel_Inst_Ap_VehDyn_VehDyn_Pert_Senaoriessathorthy_Ulin_Pert_Rel_Inst_Ap_VehDyn_VehDyn_Pert_Senaoriessathorthy_Ulin_Pert_Rel_Inst_Ap_VehDyn_VehDyn_Pert_Senaoriessathorthy_Ulin_Pert_Rel_Inst_Ap_VehDyn_VehDyn_Pert_Senaoriessathorthy_Ulin_Pert_Rel_Inst_Ap_VehDyn_VehDyn_Pert_Senaoriessathorthy_Ulin_Pert_Rel_Inst_Ap_VehDyn_VehDyn_Pert_Senaoriessathorthy_Ulin_Pert_Rel_Inst_Ap_VehDyn_VehDyn_Pert_Senaoriessathorthy_Unin_Pert_Rel_Inst_Ap_VehDyn_VehDyn_Pert_TortectTrel_Inst_Ap_VehDyn_Pert_TortectTrel_Inst_Ap_VehDyn_Pert_TortectTrel_Inst_Ap_VehDyn_Pert_TortectTrel_Inst_Ap_VehDyn_Pert_TortectTrel_Inst_Ap_VehDyn_Pert_NehoteSpeed/VehDyn_Pert_NehoteSpeed_Xpn_S2 target_VehDyn_Pert_NehoteSpeed_Xpn_S2 target_Xpn_S2 | | 2942063360 | | |
| | · | target_VehDyn_Per1_CcwEOT_HwDeg_f32 | | |
| large_L Re _ Inst_Ap_ VehDyn_Pert_MotoVeiCRF_MirRadyS_132 target_VehDyn_Pert_MethWes_HWDeg_LS2 target_VehDyn_Pert_ReiHwPehDyn_Pert_SensoriessAuthority_Uis_132 target_VehDyn_Pert_SensoriessAuthority_Uis_132 target_VehDyn_Pert_SensoriessAuthority_Uis_133 target_VehDyn_Per | target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 | | |
| larget_Nell_net_Ap_VehDyn_Pert_Relitwe0s_HW0eg_12 target_Nell_pert_Nell_net_Ap_VehDyn_Pert_SensoriessAwthorty_Us_132 target_Nell_pert_SensoriessAwthorty_Us_132 target_Nell_pert_SensoriessAwthorty_Us_132 target_Nell_pert_SensoriessAwthorty_Us_132 target_Nell_pert_SensoriessAwthorty_Us_132 target_Nell_pert_Nell_pert_SensoriessAwthorty_Us_132 target_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_Nell_pert_N | target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f32 | 2 | |
| larged_RRe_Inst_Ap_VehDyn_Pen_Fre_Inst_ResortessAuthority_Uis_132 larged_RRe_Inst_Ap_VehDyn_Pen_Fre_Inst_ResortessAuthority_Uis_132 larged_RRe_Inst_Ap_VehDyn_Pen_Fre_Inst_ResortersPen_Pen_Grap larged_VehDyn_Pen_Grap larged_Rre_Inst_Ap_VehDyn_Pen_Fre_Inst_ResorterSet_Pen_Grap larged_VehDyn_Pen_Grap larged_Rre_Inst_Ap_VehDyn_VehDyn_Pen_Grap larged_Rre_Inst_Ap_VehDyn_VehDyn_Pen_Grap larged_Rre_Inst_Ap_VehDyn_VehDyn_Pen_Grap larged_Rre_Inst_Ap_VehDyn_VehDyn_Pen_Grap larged_Rre_Inst_Ap_VehDyn_VehDyn_Pen_Grap larged_Rre_Inst_Ap_VehDyn_VehDyn_Pen_Grap larged_VehDyn_Pen_Grap larged_VehDyn_Grap l | target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRad | pS_f32 | |
| larget_Ric_Inst_AQ_VehDpn_VehDpn_Pert_StrikwAgh(d_Crt_Ugc target_Ric_Inst_AQ_VehDpn_VehDpn_Pert_StrikwAgh(d_Crt_Ugc target_VehDpn_Pert_StrikwAgh(d_Crt_Ugc target_VehDpn_Pert_StrikwAgh(d_Crt_Ugc target_VehDpn_Pert_StrikwAgh(d_Crt_Ugc target_VehDpn_Pert_StrikwAgh(d_Crt_Ugc target_VehDpn_Pert_VehDespeed_VehD_G_Despeed_VehD_G_Despeed_VehDpn_Pert_VehDespeed_VehD_G_Despeed_VehDpn_Pert_VehDespeed_VehD_G_Despeed_VehDpn_Pert_VehDespeed_VehD_G_Despeed_VehDpn_Pert_VehDespeed_VehD_G_Despeed_VehDpn_Pert_VehDespeed_VehD_G_Despeed_VehDpn_Pert_VehDespeed_VehD_G_Despeed_VehD_G_Despeed_VehD_G_Despeed_VehD_G_Despeed_VehD_G_Despeed_VehD_G_Despeed_VehD_G_Despeed_VehD_G_Despeed_VehD_G_Despeed_VehD_G_Despeed_VehD_G_Despeed_VehD_G_Despeed_VehD_G_Despeed_VehD_G_Despeed_VehD_G_Despeed_VehD_G_Despeed_VehD_G_Despeed_VehD_G_Despeed_VehD_G_Despeed_VehD_G_Despeed_VehD_G_Despeed_VehD_G_Despeed_VehD_G_Despeed_VehD_G_Despeed_VehD_G_Despeed_VehD_G_Despeed_VehD_G_Despeed_VehD_G_Despeed_VehD_G_Despeed_VehD_G_Despeed_VehD_G_Despeed_VehD_G_Despeed_VehD_G_Despeed_VehD_G_Despeed_VehD_G_Despeed_VehD_G_Despeed_VehD_G_Despeed_VehD_G_Despeed_VehD_G_Despeed_VehD_G_Despeed_VehD_G_Despeed_VehD_G_Despeed_VehD_G_Despeed_VehD_G_Despeed_VehD_G_Despeed_VehD_G_Despeed_VehD_G_Despeed_VehD_G_Despeed_VehD_G_Despeed_VehD_G_Despeed_VehD_G_Despeed_VehD_G_Despeed_VehD_G_Despeed_VehD_G_Despeed_VehD_G_Despeed_VehD_G_Despeed_VehD_G_Despeed_VehD_G_Despeed_VehD_G_Despeed_VehD_G_Despeed_VehD_G_Despeed_VehD_G_Despeed_VehD_G_Despeed_VehD_G_Despeed_VehD_G_Despeed_VehD_G_Despeed_VehD_G_Despeed_VehD_G_Despeed_VehD_G_Despeed_VehD_G_Despeed_VehD_G_Despeed_VehD_G_Despeed_VehD_G_Despeed_VehD_G_Despeed_VehD_G_Despeed_VehD_G_Despeed_VehD_G_Despeed_VehD_G_Despeed_VehD_G_Despeed_VehD_G_Despeed_VehD_G_Despeed_VehD_G_Despeed_VehD_G_Despeed_VehD_G_Despeed_VehD_G_Despeed_VehD_G_Despeed_VehD_G_Despeed_VehD_G_Despeed_VehD_G_Despeed_VehD_G_Despeed_VehD_G_D_G_Despeed_VehD_G_Despeed_VehD_G_Despeed_VehD_G_Despeed_VehD_G_D_G_Despeed_VehD_G_Despeed_VehD_G_Despeed_VehD_G_Despeed_VehD_G_D_ | | | | |
| larget_Nel_nat_AD_VehDpn_VehDpn_Pert_StritwAgVId_Cnt_Upc larget_Nel_nat_AD_VehDpn_VehDpn_Pert_StritwAgVId_Cnt_Upc larget_Nel_nat_AD_VehDpn_VehDpn_Pert_VehickSpeedValid_Cnt_Upc larget_VehDpn_Pert_StritwAg_HwDeg_IS2 larget_Nel_nat_AD_VehDpn_VehDpn_Pert_VehickSpeedValid_Cnt_Upc larget_VehDpn_Pert_VehickSpeedValid_Cnt_Upc larget_VehDpn_Pert_VehickSpeedValid_Cnt_Upc larget_VehDpn_Pert_VehickSpeedValid_Cnt_Upc larget_VehDpn_Pert_VehickSpeedValid_Cnt_Upc larget_VehDpn_Pert_VehickSpeedValid_Cnt_Upc larget_VehDpn_Pert_VehickSpeedValid_Cnt_Upc larget_VehDpn_Pert_VehickSpeedValid_Cnt_Upc larget_VehDpn_Pert_VehickSpeed_Nph_IS2 larget_VehDpn_Pert_Nel_nat_Cnt_Upc larget_VehDpn_Pert_VehickSpeed_Nph_IS2 larget_VehDpn_Pert_Nel_nat_Cnt_Upc larget_VehDpn_Pert_VehickSpeed_Nph_IS2 larget_VehDpn_Pert_VehickSpeed_Nph_IS2 larget_VehDpn_Pert_VehickSpeed_Nph_IS2 larget_VehDpn_Pert_VehickSpeed_Nph_IS2 larget_VehDpn_Pert_VehickSpeed_Nph_IS2 larget_VehDpn_Pert_VehickSpeed_Nph_IS2 larget_Nelnat_Cnt_Upc large | target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_U | Jls_f32 | |
| larget_Rib_Inst_Ap_VehDyn_VehDyn_Pert_TorqueCmdCRF_Minhm_132 larget_VehDyn_Pert_TorqueCmdCRF_Minhm_132 larget_VehDyn_Pert_TorqueCmdCRF_Minhm_132 larget_VehDyn_Pert_TorqueCmdCRF_Minhm_132 larget_VehDyn_Pert_TorqueCmdCRF_Minhm_132 larget_VehDyn_Pert_VehicleSpeed_VehDyn_Pert_TorqueCmdCRF_Minhm_132 larget_VehDyn_Pert_VehicleSpeed_VehDyn_Pert_VehicleSpeed_VehDyn_Pert_VehicleSpeed_VehDyn_Pert_VehicleSpeed_VehDyn_Pert_VehicleSpeed_VehDyn_Pert_VehicleSpeed_VehDyn_Pert_VehicleSpeed_VehDyn_Pert_VehicleSpeed_VehDyn_Pert_VehicleSpeed_VehDyn_Pert_VehicleSpeed_VehDyn_Pert_VehicleSpeed_VehDyn_Pert_VehicleSpeed_VehDyn_Pert_VehicleSpeed_VehDyn_Pert_VehicleSpeed_VehDyn_Pert_VehicleSpeed_VehDyn_Pert_VehicleSpeed_VehDyn_Pert_VehicleSpeed_VehDyn_Pert_VehicleSpeed_VehDyn_Pert_VehicleSpeed_VehDyn_Pert_VehicleSpeed_VehDyn_Pert_VehicleSpeed_VehDyn_Pert_VehicleSpeed_VehDyn_Pert_VehicleSpeed_VehDyn_Pert_VehicleSpeed_VehDyn_Pert_VehicleSpeed_VehDyn_Pert_VehicleSpeed_VehDyn_Pert_VehicleSpeed_VehDyn_Pert_VehicleSpeed_VehDyn_Pert_VehicleSpeed_VehDyn_Pert_VehicleSpeed_VehDyn_Pert_VehicleSpeed_VehDyn_Pert_VehicleSpeed_VehDyn_Pert_VehicleSpeed_VehDyn_Pert_VehicleSpeed_VehDyn_Pert_VehicleSpeed_VehDyn_Pert_VehicleSpeed_VehDyn_Pert_VehicleSpeed_VehDyn_AutoChribCitSpd_M_str.Timert_mS_u32 | target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_Hw | vDeg_f32 | |
| larget_Rie_Inst_Ap_VehDyn_VehDyn_Pert_VehicleSpeed\/aid_Cnt_lgc | target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc | | |
| larget_Rel_mst_Ap_VehDyn-VehDyn-Per1_VehicleSpeed_Kph_G2 | target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 | | |
| target_VehDyn_Pert_CwcT_HwDeg_132_value | target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_MtrN | lm_f32 | |
| Ising tt VehDyn Pert CokeOT HwDeg St2 value 915.302002 | target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc | target_VehDyn_Per1_VehicleSpeedValid_Ci | nt_lgc | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph_f3 | 2 | |
| target_VehDyn_Per1_HwTorque_HwNm_r32.value | target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | | | |
| target_VehDyn_Pert_Motor_VelCRF_MirRadpS_f32.value | target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 915.302002 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value 1123.40002 target_VehDyn_Per1_SriHwAgVid_Cnt_lgc.value 1 target_VehDyn_Per1_SriHwAgVid_Cnt_lgc.value 12899998 target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value 129999995 target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value 0 target_VehDyn_Per1_VehicleSpeed_Kph_f32.value 129999998 Name Actual Value Expected Value Result VehDyn_AllorHispAdutoCntr_Cnt_M_lgc 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | | | | |
| target_VehDyn_Per1_SrithwAgVld_Cnt_lgc.value | | | | |
| target_VehDyn_Perl_SriHwAg_HwDeg_f32.value 421.809998 target_VehDyn_Perl_TorqueCmdCRF_MINIm_f32.value 1.29999995 target_VehDyn_Perl_VehicleSpeedValid_Cnt_lgc.value 0 target_VehDyn_Perl_VehicleSpeed_Kph_f32.value 499.049988 Name Actual Value Expected Value Result VehDyn_AllocHirDetSpd_M_str.Timer1_mS_u32 4004004656 4004004656 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 4211288631 4211288631 4211288631 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 4211288631 4211288631 4211288631 VehDyn_AutoCntrDetSpd_M_str.Filler1Enable_Cnt_lgc 1123.40002 1123.40002 ± 0.009 VehDyn_AutoCntrDetSpd_M_str.Filler1Enable_Cnt_lgc 1 1 VehDyn_AutoCntrDetSpd_M_str.Filler1Enable_Cnt_lgc 1 1 VehDyn_AutoCntrDetSpd_M_str.Filler1Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrDetSpd_M_str.Filler2Enable_Cnt_lgc 1 1 VehDyn_AutoCntrDetSpd_M_str.Filler2Enable_Cnt_lgc 1 1 VehDyn_AutoCntrDetSpd_M_str.Filler2Timitialized_Cnt_lgc 0 0 VehDyn_AutoCntrHispd_M_str.Filler2Timitialized_Cnt_lgc 0 0 VehDyn_AutoCntrHispd_M_str.Filler2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHispd_M_str.Filler2Enable_Cnt_lgc 0 | | | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value 1.29999995 target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value 0 target_VehDyn_Per1_VehicleSpeed_Kph_f32.value 499.049988 Name Actual Value Expected Value Result VehDyn_AllochtDetSpd_M_str.Timer1_mS_u32 4004004656 4004004656 4004004656 4004004656 4004004656 4004004656 4004004656 4004004656 4004004656 4004004656 4004004656 4004004656 4004004656 4004004656 4004004656 4004004656 4004004656 4004004656 4004004656 4004004656 4004004656 4004004656 4004004656 4004004656 4004004656 4004004656 4004004656 4004004656 4004004656 4004004656 4004004656 4004004656 4004004656 4004004656 4004004656 4004004656 4004004656 4004004656 4004004656 4004004656 4004004656 4004004656 4004004656 4004004656 4004004656 4004004656 4004004656 4004004656 4004004656 4004004656 4004004656 40040004656 4000002 400002 4000 | | | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value 499.049988 Name Actual Value Expected Value Result VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc 1 1 1 VehDyn_AutoCntrDelSpd_M_str.Timer1_mS_u32 4004004656 4004004656 VehDyn_AutoCntrDelSpd_M_str.Timer2_mS_u32 4211288631 4211288631 4211288631 VehDyn_AutoCntrDelSpd_M_str.Timer2_mS_u32 4211288631 4211288631 4211288631 VehDyn_AutoCntrDelSpd_M_str.Timer2_mS_u32 1123.40002 1123.40002 ± 0.009 VehDyn_AutoCntrDelSpd_M_str.Timer1_mS_u32 1123.40002 1123.40002 ± 0.009 VehDyn_AutoCntrDelSpd_M_str.Timer1_mS_u5.01 1 1 VehDyn_AutoCntrDelSpd_M_str.Timer2_mS_u5.02 1 1 VehDyn_AutoCntrDelSpd_M_str.Timer2_mS_u5.02 1 1 VehDyn_AutoCntrDelSpd_M_str.Timer1_mS_u32 71426560 71426560 71426560 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 4211288631 4211288631 4211288631 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 4211288631 4211288631 4211288631 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 4211288631 4211288631 4211288631 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 4211288631 4211288631 4211288631 42112886 | | | | |
| Name | | | | |
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| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc 1 1 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 4004004656 4004004656 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 4211268631 4211268631 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 1123.40002 1123.40002 ± 0.009 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 1123.40002 1123.40002 ± 0.009 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc 1 1 VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc 1 1 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 71426560 71426560 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 4211268631 4211268631 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 1123.40002 1123.40002 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_Au | target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 499.049988 | | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 4004004656 4004004656 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 4211288631 4211288631 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 1123.40002 1123.40002 ± 0.009 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 1123.40002 1123.40002 ± 0.009 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc 1 1 VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc 1 1 VehDyn_AutoCntrDetSpd_M_str.Filter2Inititialized_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Inititialized_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 71426560 71426560 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 1123.40002 1123.40002 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 1123.40002 1123.40002 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 0 0 <td>Name</td> <td>Actual Value</td> <td>Expected Value</td> <td>Result</td> | Name | Actual Value | Expected Value | Result |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 4211268631 4211268631 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 1123.40002 1123.40002 ± 0.009 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc 1 1 VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc 1 1 VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc 1 1 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 71426560 71426560 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 4211268631 4211268631 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 1123.40002 1123.40002 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Fil | VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilttSV_HwDeg_str.SV_Uls_f32 1123.40002 1123.40002 ± 0.009 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 1123.40002 1123.40002 ± 0.009 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc 1 1 VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc 1 1 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 71426560 71426560 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 4211288631 4211288631 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 1123.40002 1123.40002 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 0 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 0 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 0 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 71426560 71426560 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 7 | VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 4004004656 | 4004004656 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 1123.40002 1123.40002 ± 0.009 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc 1 1 VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc 1 1 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 71426560 VehDyn_AutoCntrHiSpd_M_str.Filter2_mS_u32 4211268631 4211268631 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 1123.40002 1123.40002 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 1123.40002 1123.40002 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 1 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 71426560 71426560 71426560 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 4211268631 4211268631 4211268631 VehD | VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 4211268631 | 4211268631 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc 1 1 VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc 1 1 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 71426560 71426560 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 4211268631 4211268631 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 1123.40002 1123.40002 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 1123.40002 1123.40002 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 71426560 71426560 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 4211268631 4211268631 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 1123.40002 1123.40002 ± 0.009 <td< td=""><td></td><td>1123.40002</td><td>1123.40002 ± 0.009</td><td>~</td></td<> | | 1123.40002 | 1123.40002 ± 0.009 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter12Enable_Cnt_lgc 1 1 VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrDetSpd_M_str.Filter12Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 71426560 71426560 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 4211268631 4211268631 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 1123.40002 1123.40002 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_cnt_lgc 1123.40002 1123.40002 ± 0.009 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_s | VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1123.40002 | 1123.40002 ± 0.009 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 71426560 71426560 71426560 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 4211268631 4211268631 4211268631 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 1123.40002 1123.40002 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1123.40002 1123.40002 ± 0.009 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFiltSV_HwDeg_str.SV_UIs_f32 1123.40002 1123.40002 ± 0.009 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 1123.40002 1123.40002 ± 0.009 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc < | | 1 | 1 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 71426560 71426560 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 4211268631 4211268631 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 1123.40002 1123.40002 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 71426560 71426560 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 4211268631 4211268631 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 1123.40002 1123.40002 ± 0.009 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 1123.40002 1123.40002 ± 0.009 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 0 0 0 | | 1 | | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 71426560 71426560 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 4211268631 4211268631 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFitt1SV_HwDeg_str.SV_UIs_f32 1123.40002 1123.40002 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFitt2SV_HwDeg_str.SV_UIs_f32 1123.40002 1123.40002 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 71426560 71426560 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 4211268631 4211268631 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 1123.40002 1123.40002 ± 0.009 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 1123.40002 1123.40002 ± 0.009 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 0 0 | VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 4211268631 4211268631 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFitt1SV_HwDeg_str.SV_UIs_f32 1123.40002 1123.40002 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFitt2SV_HwDeg_str.SV_UIs_f32 1123.40002 1123.40002 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 71426560 71426560 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 4211268631 4211268631 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 1123.40002 1123.40002 ± 0.009 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 1123.40002 1123.40002 ± 0.009 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 0 0 | VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 1123.40002 1123.40002 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 1123.40002 1123.40002 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 71426560 71426560 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 4211268631 4211268631 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 1123.40002 1123.40002 ± 0.009 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 1123.40002 1123.40002 ± 0.009 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 0 0 | | 71426560 | 71426560 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 1123.40002 1123.40002 ± 0.009 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 71426560 71426560 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 4211268631 4211268631 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 1123.40002 1123.40002 ± 0.009 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 1123.40002 1123.40002 ± 0.009 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 0 0 | | | | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 0 ✓ VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 0 0 ✓ VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 0 ✓ VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 ✓ VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 71426560 71426560 ✓ VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 4211268631 4211268631 ✓ VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 1123.40002 1123.40002 ± 0.009 ✓ VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 1123.40002 1123.40002 ± 0.009 ✓ VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 0 0 ✓ | , - , | | | |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 0 0 ✓ VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc 0 0 ✓ VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 ✓ VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 71426560 71426560 ✓ VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 4211268631 4211268631 ✓ VehDyn_AutoCntrLoSpd_M_str.RelHwPosFittSV_HwDeg_str.SV_UIs_f32 1123.40002 1123.40002 ± 0.009 ✓ VehDyn_AutoCntrLoSpd_M_str.RelHwPosFittSV_HwDeg_str.SV_UIs_f32 1123.40002 1123.40002 ± 0.009 ✓ VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 0 0 ✓ | | | | - |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initalized_Cnt_lgc 0 0 VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 71426560 71426560 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 4211268631 4211268631 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 1123.40002 1123.40002 ± 0.009 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 1123.40002 1123.40002 ± 0.009 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 0 0 | | | | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 1 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 71426560 71426560 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 4211268631 4211268631 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 1123.40002 1123.40002 ± 0.009 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 1123.40002 1123.40002 ± 0.009 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 0 0 | | - | · | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 71426560 71426560 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 4211268631 4211268631 VehDyn_AutoCntrLoSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.SV_UIs_f32 1123.40002 1123.40002 ± 0.009 VehDyn_AutoCntrLoSpd_M_str.ReiHwPosFilt2SV_HwDeg_str.SV_UIs_f32 1123.40002 1123.40002 ± 0.009 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 0 0 | | | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 4211268631 4211268631 VehDyn_AutoCntrLoSpd_M_str.ReilHwPosFilt1SV_HwDeg_str.SV_UIs_f32 1123.40002 1123.40002 ± 0.009 VehDyn_AutoCntrLoSpd_M_str.ReilHwPosFilt2SV_HwDeg_str.SV_UIs_f32 1123.40002 1123.40002 ± 0.009 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 0 0 | | | | - |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 1123.40002 1123.40002 ± 0.009 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 1123.40002 1123.40002 ± 0.009 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 0 0 | · | | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_Igc 1123.40002 1123.40002 ± 0.009 1123.40002 ± 0.009 1123.40002 ± 0.009 | | | 4211268631 | - |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 0 0 | | | | ~ |
| | | | | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 1 | | | | ~ |
| | | | | |



| Name | Actual Value | Expected Value | Result |
|-------------------------------------------------------|--------------|------------------------|----------|
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 | 0 | ✓ |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 | 0 | ✓ |
| VehDyn_MaxOffset_HwDeg_M_f32 | -1282.65002 | -1282.65002 | ~ |
| VehDyn_MinOffset_HwDeg_M_f32 | -551.190002 | -551.190002 | ✓ |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | -5.39978266 | -5.39978266 ± 0.000009 | ✓ |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 2942063360 | 2942063360 | ✓ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 1 | 1 ± 0.004 | ~ |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | 1600 | 1600 ± 0.1 | ~ |

| Τ | | | | ✓ |
|----------------------------------------------------|-------|----------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | • |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |

| ame | Input Value |
|----------------------------------------------------------------------|--------------------------------------------------------------------------|
| | • |
| trmnElapsedTime_mS_u32(ElapsedTime) etSystemTime mS u32(CurrentTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| , = = \ , | target_GetSystemTime_mS_u32_CurrentTime |
| te_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| te_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| te_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 |
| ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 457.299988 |
| ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 176.300003 |
| ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 4.3000019 |
| ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 63.2999992 |
| ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 11226 |
| ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 60000 |
| ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 164464918 |
| ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 54822322 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 45.0099983 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000902 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 45.0099983 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000902 |
| ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 621 |
| ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 136.600006 |
| ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 1.10000002 |
| ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 32.0999985 |
| ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 26195 |
| ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 22037 |
| ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 164464918 |
| ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 54822322 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 45.0099983 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.00070199999 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 45.0099983 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000395999989 |
| ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 621.400024 |
| ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 166.399994 |
| ehDyn AutoCntrLoSpd M str.FiltPinTrg HwNm f32 | 4.34000015 |
| ehDyn AutoCntrLoSpd M str.CntrWindow HwDeg f32 | 12.3000002 |
| ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 5235 |
| ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 27074 |
| ehDyn AutoCntrLoSpd M str.Timer1 mS u32 | 164464918 |
| ehDyn AutoCntrLoSpd M str.Timer2 mS u32 | 54822322 |



| Name | Input Value | | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|----------------------|--------|
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 45.0099983 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 6.98000003e-005 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 45.0099983 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000902 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | | |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 0 | | |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | 497.970001 | | |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 | | |
| VehDyn_Initialize_Cnt_M_lgc | 1 | | |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 | | |
| VehDyn_MaxOffset_HwDeg_M_f32 | 1272.70996 | | |
| VehDyn_MinOffset_HwDeg_M_f32 | -497.429993 | | |
| VehDyn_PinTrqSV_M_str.SV_UIs_f32 | 15.1999998 0.000453999994 | | |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 VehDyn_SLPHwAuth_Uls_M_f32 | 0.064000003 | | |
| VehDyn_SLPHwPos_HwDeg_M_f32 | 267.910004 | | |
| VehDyn SrlHwAgVldTimer mS M u32 | 889845248 | | |
| k_HiSpdVDAuthority_Uls_f32 | 1 | | |
| k HwTqMgnThd HwNm f32 | 6.099999 | | |
| k_LoSpdVDAuthority_UIs_f32 | 0 | | |
| k SrlHwAgVldTiThd mS u32 | 45 | | |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 52.2000008 | | |
| k_TravelXCDeadband_Uls_f32 | 20 | | |
| k_TravelXCHwAuthority_Uls_f32 | 0.237124994 | | |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 2659241984 | | |
| target_GetSystemTime_mS_u32_CurrentTime | 1050692864 | | |
| $target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_Elapsed$ | 4243378688 | | |
| $target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime_ms_u32_CurrentTime_u32_CurrentTime_u32_CurrentTime_u32_CurrentTime_u32_CurrentTime_u32_CurrentTime_u32_CurrentTime_u32_CurrentTime_u32_CurrentTime_u32_CurrentTime_u32_CurrentTime_u32_CurrentTime_u32_CurrentTime_u32_CurrentTime_u32_CurrentTime_u32_CurrentTime_u32_CurrentTime_u32_CurrentTime_u32_CurrentTime_u32_CurrentTime_u32_CurrentTime_u32_CurrentTime_u32_CurrentTime_u32_CurrentTime_u32_CurrentTime_u32_CurrentTime_u32_CurrentTime_u32_CurrentTime_u32_CurrentTime_u32_CurrentTime_u32_CurrentTime_u32_CurrentTime_u32_CurrentTime_u32_CurrentTime_u32_CurrentTime_u32_CurrentTime_u32_CurrentTime_u32_CurrentTime_u32_CurrentTime_u32_CurrentTime_u32_CurrentTime_u32_CurrentTime_u32_CurrentTime_u32_CurrentTime_u32_CurrentTime_u32_CurrentTime_u32_CurrentTime_u32_CurrentTime_u32_CurrentTime_u32_CurrentTime_u32_CurrentTime_u32_CurrentTime_u32_CurrentTime_u32_CurrentTime_u32_CurrentTime_u32_CurrentTime_u32_CurrentTime_u32_CurrentTime_u32_CurrentTime_u32_CurrentTime_u32_CurrentTime_u32_CurrentTime_u32_CurrentTime_u32_CurrentTime_u32_CurrentTime_u32_CurrentTime_u32_CurrentTime_u32_CurrentTime_u32_CurrentTime_u32_CurrentTime_u32_CurrentTime_u32_CurrentTime_u32_CurrentTime_u32_CurrentTime_u32_CurrentTime_u32_CurrentTime_u32_CurrentTime_u32_CurrentTime_u32_CurrentTime_u32_CurrentTime_u32_CurrentTime_u32_CurrentTime_u32_CurrentTime_u32_CurrentTime_u32_CurrentTime_u32_CurrentTime_u32_CurrentTime_u32_CurrentTime_u32_CurrentTime_u32_CurrentTime_u32_CurrentTime_u32_CurrentTime_u32_CurrentTime_u32_CurrentTime_u32_CurrentTime_u32_CurrentTime_u32_CurrentTime_u32_CurrentTime_u32_CurrentTime_u32_CurrentTime_u32_CurrentTime_u32_CurrentTime_u32_CurrentTime_u32_CurrentTime_u32_CurrentTime_u32_CurrentTime_u32_CurrentTime_u32_CurrentTime_u32_CurrentTime_u32_CurrentTime_u32_CurrentTime_u32_CurrentTime_u32_CurrentTime_u32_CurrentTime_u32_CurrentTime_u32_CurrentTime_u32_CurrentTime_u32_CurrentTime_u32_CurrentTime_u32_CurrentTime_u32_CurrentTime_u32_CurrentTime_u32_CurrentTime_u32$ | 309385728 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f32 | 2 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRad | pS_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f3 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_L | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_Hw | /Deg_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_MtrN | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc | target_VehDyn_Per1_VehicleSpeedValid_Cr | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph_f3 | 2 | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -430.910004 | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value target VehDyn Per1 HwTorque HwNm f32.value | 1440.10999 3.30999994 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | -759.549988 | | |
| target VehDyn Per1 RelHwPos HwDeg f32.value | 45.0099983 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 1 | | |
| target VehDyn Per1 SrlHwAg HwDeg f32.value | 267.910004 | | |
| target VehDyn Per1 TorqueCmdCRF MtrNm f32.value | -1.60000002 | | |
| target VehDyn Per1 VehicleSpeedValid Cnt Igc.value | 0 | | |
| target VehDyn Per1 VehicleSpeed Kph f32.value | 499 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 | 1 | Julia |
| VehDyn AutoCntrDetSpd M str.Timer1 mS u32 | 164464918 | 164464918 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 54822322 | 54822322 | |
| VehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32 | 45.0099983 | 45.0099983 ± 0.00009 | • |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 45.0099983 | 45.0099983 ± 0.00009 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 1050692864 | 1050692864 | • |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 54822322 | 54822322 | • |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 45.0099983 | 45.0099983 ± 0.00009 | • |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 45.0099983 | 45.0099983 ± 0.00009 | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | - |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 1050692864 | 1050692864 | • |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 54822322 | 54822322 | - |



| Name | Actual Value | Expected Value | Result |
|-----------------------------------------------------------------|--------------|----------------------|--------|
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 45.0099983 | 45.0099983 ± 0.00009 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 45.0099983 | 45.0099983 ± 0.00009 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 | 0 | ~ |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 | 0 | ~ |
| VehDyn_MaxOffset_HwDeg_M_f32 | 1272.70996 | 1272.70996 | ~ |
| VehDyn_MinOffset_HwDeg_M_f32 | -475.920013 | -475.920013 | ~ |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 15.1945877 | 15.1945877 ± 0.00009 | ~ |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 889845248 | 889845248 | • |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 1 | 1 ± 0.004 | ~ |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | 267.910004 | 267.910004 ± 0.1 | • |

| Τ | | | | ✓ |
|-------------------------------------------------------|-------|-------------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32 | 1 | • |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | • |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ✓ |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |

| Name | Input Value |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|
| OtrmnElapsedTime mS u32(ElapsedTime) | target DtrmnElapsedTime mS u32 ElapsedTime |
| GetSystemTime mS u32(CurrentTime) | target GetSystemTime mS u32 CurrentTime |
| Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32(ElapsedTime) | target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedTime |
| Rte Call Ap VehDyn SystemTime GetSystemTime mS u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| Rte_Inst_Ap_VehDyn | target Rte Inst Ap VehDyn |
| /ehDyn AllowHiSpdAutoCntr Cnt M Igc | 1 |
| /ehDyn AutoCntrDetSpd M str.MtrVel MtrRadpS f32 | 600.200012 |
| /ehDyn AutoCntrDetSpd M str.VehSpd kph f32 | 64.1999969 |
| /ehDyn AutoCntrDetSpd M str.FiltPinTrg HwNm f32 | 16.2000008 |
| /ehDyn AutoCntrDetSpd M str.CntrWindow HwDeg f32 | 41.2000008 |
| /ehDyn AutoCntrDetSpd M str.Timer1Thresh mS u16 | 38868 |
| /ehDyn AutoCntrDetSpd M str.Timer2Thresh mS u16 | 38708 |
| /ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 4211268631 |
| /ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 2160073393 |
| /ehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32 | -378.170013 |
| /ehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32 | 0.000934000011 |
| /ehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32 | -378.170013 |
| /ehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32 | 0.000934000011 |
| /ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| /ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| /ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| /ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1. |
| /ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 566.5 |
| /ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 75.5999985 |
| /ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 18.6000004 |
| /ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 97.5999985 |
| /ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 21335 |
| /ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 34188 |
| /ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 4211268631 |
| /ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 2160073393 |
| /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -378.170013 |
| /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000734000001 |
| /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -378.170013 |
| /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.00046000001 |
| /ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| /ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| /ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| /ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| /ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 566.099976 |
| /ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 96.0999985 |
| /ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 8.30000019 |
| /ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 42.2999992 |



| | | 1 | |
|----------------------------------------------------------------------------------------------|-----------------------------------------|----------------------|-------|
| Name | Input Value | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 53759 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 18715 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 4211268631 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 2160073393 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -378.170013 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 7.30000029e-005 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -378.170013 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000934000011 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | | |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 0 | | |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | -1100.58997 | | |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 | | |
| VehDyn_Initialize_Cnt_M_lgc | 1 | | |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 1278.75 | | |
| VehDyn_MaxOffset_HwDeg_M_f32 | -564.630005 | | |
| VehDyn_MinOffset_HwDeg_M_f32 VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 7.5999999 | | |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000469999999 | | |
| VehDyn SLPHwAuth Uls M f32 | 0.208000004 | | |
| VehDyn_SLPHwPos_HwDeg_M_f32 | 432.070007 | | |
| VehDyn SrlHwAgVldTimer mS M u32 | 4077829376 | | |
| k_HiSpdVDAuthority_UIs_f32 | 0 | | |
| k_HwTqMgnThd_HwNm_f32 | 2.0999999 | | |
| k_LoSpdVDAuthority_Uls_f32 | 1 | | |
| k_SrlHwAgVldTiThd_mS_u32 | 456 | | |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 41.0400009 | | |
| k_TravelXCDeadband_Uls_f32 | 24.8700008 | | |
| k_TravelXCHwAuthority_Uls_f32 | 0 | | |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 2728878080 | | |
| target_GetSystemTime_mS_u32_CurrentTime | 2430672128 | | |
| target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedT | Гі 89 | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime | 4077829376 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f3 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRac | lpS_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f3 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_ | _ | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_Hv | vDeg_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_Mtrl | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc | target_VehDyn_Per1_VehicleSpeedValid_C | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph_f3 | 32 | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value | -508.109985 909.732971 | | |
| | -5.07000017 | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | -5.07000017 -835.200012 | | |
| target VehDyn Per1 RelHwPos HwDeg f32.value | -335.200012 -378.170013 | | |
| target VehDyn Per1 SrlHwAgVld Cnt Igc.value | 1 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | 432.070007 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | 5.5999999 | | |
| target VehDyn Per1 VehicleSpeedValid Cnt Igc.value | 1 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 120.480003 | | |
| Name | Actual Value | Expected Value | Resul |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 | 1 | |
| VehDyn AutoCntrDetSpd M str.Timer1 mS u32 | 4211268631 | 4211268631 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 2160073393 | 2160073393 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -378.170013 | -378.170013 ± 0.0009 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -378.170013 | -378.170013 ± 0.0009 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 2430672128 | 2430672128 | • |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 2160073393 | 2160073393 | • |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -378.170013 | -378.170013 ± 0.0009 | • |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -378.170013 | -378.170013 ± 0.0009 | • |
| venbyn_Addochaniopd_in_sa.reniwi osi inzov_nwbeg_sa.ov_ois_isz | | | |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | • |



| Name | Actual Value | Expected Value | Result |
|-----------------------------------------------------------------|--------------|-----------------------|--------|
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 4211268631 | 4211268631 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 2160073393 | 2160073393 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -378.170013 | -378.170013 ± 0.0009 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -378.170013 | -378.170013 ± 0.0009 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_MaxOffset_HwDeg_M_f32 | 1278.75 | 1278.75 | ~ |
| VehDyn_MinOffset_HwDeg_M_f32 | -129.939972 | -129.940002 | ~ |
| VehDyn_PinTrqSV_M_str.SV_UIs_f32 | 7.59410906 | 7.59410906 ± 0.000009 | ~ |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 4077829376 | 4077829376 | ~ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 0.208000004 | 0.208000004 ± 0.004 | ~ |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | 53.8999939 | 53.9000015 ± 0.1 | ~ |

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|----------------------------------------------------|-------|----------------------------------------------------|-------|--------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Rte Call VehDvn Per1 CP1 CheckpointReached | 1 | Rte Call VehDvn Per1 CP1 CheckpointReached | 1 | _ |

| Test Step 2.215 (Repeat Count = 1) | |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|
| Name | Input Value |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| GetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 554.099976 |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 84.0999985 |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 4.0999999 |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 52.0999985 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 2291 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 7778 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 4004004656 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 4211268631 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1415.88 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000936000026 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1415.88 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000936000026 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1. |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 456.700012 |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 35.5400009 |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 14.5 |
| VehDyn AutoCntrHiSpd M str.CntrWindow HwDeg f32 | 75.5 |
| VehDyn AutoCntrHiSpd M str.Timer1Thresh mS u16 | 33198 |
| VehDyn AutoCntrHiSpd M str.Timer2Thresh mS u16 | 7778 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 4004004656 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 4211268631 |
| VehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32 | -1415.88 |
| VehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32 | 0.000736000016 |
| VehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32 | -1415.88 |
| VehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32 | 0.000464000012 |
| VehDyn AutoCntrHiSpd M str.Filter1Enable Cnt Igc | 0 |
| VehDyn AutoCntrHiSpd M str.Filter2Enable Cnt Igc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| VehDyn AutoCntrLoSpd M str.MtrVel MtrRadpS f32 | 456.299988 |
| VehDyn AutoCntrLoSpd M str.VehSpd kph f32 | 86.099985 |



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| Name | Input Value | | | |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 6.0999999 | | | |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 86.0999985 | | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 5235 | | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 27074 | | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 4004004656 | | | |
| VehDyn_AutoCotrl_oSpd_M_str.Timer2_mS_u32 | 4211268631 -1415.88 | | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 7.31999971e-005 | | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1415.88 | | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000936000026 | | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 | | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 | | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | | | |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 1 | | | |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | -1000.67999 | | | |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 | | | |
| VehDyn_Initialize_Cnt_M_lgc | 0 | | | |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | | | |
| VehDyn_MaxOffset_HwDeg_M_f32 | -1274.84998 | | | |
| VehDyn_MinOffset_HwDeg_M_f32 | -578.070007 | | | |
| VehDyn_PinTrqSV_M_str.SV_UIs_f32 | -5.4000001 | | | |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000471000007 | | | |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.216999993 | | | |
| VehDyn_SLPHwPos_HwDeg_M_f32 | 442.329987 1117112832 | | | |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 k HiSpdVDAuthority Uls f32 | 0 | | | |
| k_HwTgMgnThd HwNm f32 | 3.0999999 | | | |
| k_LoSpdVDAuthority_Uls_f32 | 1 | | | |
| k_SrlHwAgVldTiThd_mS_u32 | 3229 | | | |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 54.1399994 | | | |
| k TravelXCDeadband Uls f32 | 28.0100002 | | | |
| k TravelXCHwAuthority Uls f32 | 1 | | | |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 824746752 | | | |
| target_GetSystemTime_mS_u32_CurrentTime | 2242866176 | | | |
| $target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedT$ | 4178051584 | | | |
| $target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime$ | 1117112832 | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f32 | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f32 | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_U | _ | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_Hw | vDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc target_VehDyn_Per1_SrlHwAg_HwDeg_f32 | | | |
| target_Rte_Inst_Ap_venDyn.VenDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_MtrN | | | |
| target Rte Inst Ap VehDyn.VehDyn Per1 VehicleSpeedValid Cnt Igc | target VehDyn Per1 VehicleSpeedValid Ci | | | |
| target Rte Inst Ap VehDyn.VehDyn Per1 VehicleSpeed Kph f32 | target_VehDyn_Per1_VehicleSpeed_Kph_f3 | | | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -515.830017 | - | | |
| target VehDyn Per1 CwEOT HwDeg f32.value | 904.164001 | | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | -5.17999983 | | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | -835.299988 | | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | -1415.88 | | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 0 | | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | 442.329987 | | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | 1.2999995 | | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 0 | | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 499.640015 | | | |
| Name | Actual Value | Expected Value | Resul | |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 0 | 0 | • | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 2242866176 | 2242866176 | | |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 4211268631 | 4211268631 | • | |
| | -1415.88 | -1415.88 ± 0.009 | • | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | | | | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1415.88 | -1415.88 ± 0.009 | | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | • | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | , | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 0 0 | 0 0 0 | • | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 0 0 1 | 0 0 0 1 | | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 0 0 0 1 4004004656 | 0 0 0 1 4004004656 | • | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 0 0 1 | 0 0 0 1 | | |



| Name | Actual Value | Expected Value | Result |
|-----------------------------------------------------------------|--------------|------------------------|----------|
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 4004004656 | 4004004656 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 4211268631 | 4211268631 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1415.88 | -1415.88 ± 0.009 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1415.88 | -1415.88 ± 0.009 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | 1 | • |
| VehDyn_MaxOffset_HwDeg_M_f32 | 904.164001 | 904.164001 | ~ |
| VehDyn_MinOffset_HwDeg_M_f32 | -515.830017 | -515.830017 | ~ |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | -5.39988518 | -5.39988518 ± 0.000009 | ~ |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 1117112832 | 1117112832 | ~ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 1 | 1 ± 0.004 | ~ |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | -415.200012 | -415.200012 ± 0.1 | ~ |

| Τ | | | | ✓ |
|----------------------------------------------------|-------|----------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | ✓ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | - |

| Name | Input Value |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|
| OtrmnElapsedTime mS u32(ElapsedTime) | target DtrmnElapsedTime mS u32 ElapsedTime |
| | |
| GetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| /ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 |
| /ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 200.300003 |
| /ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 52.2999992 |
| /ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 14.3000002 |
| /ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 63.2999992 |
| /ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 53970 |
| /ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 58869 |
| /ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 1024 |
| /ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 54822322 |
| /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1081.09998 |
| /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000937999983 |
| /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1081.09998 |
| /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000937999983 |
| /ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| /ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| /ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| /ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| /ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 159.600006 |
| /ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 68 |
| /ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 16.6000004 |
| /ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 86 |
| /ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 12258 |
| /ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 36416 |
| /ehDyn AutoCntrHiSpd M str.Timer1 mS u32 | 1024 |
| /ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 54822322 |
| /ehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32 | -1081.09998 |
| /ehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32 | 0.000737999973 |
| /ehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32 | -1081.09998 |
| /ehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32 | 0.000468000013 |
| /ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| /ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| /ehDyn AutoCntrHiSpd M str.Filter1Initialized Cnt Igc | 0 |
| /ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |



| | | | (-4 | | |
|------------------------------------------------------------------------------------------------------------------|------------------------------------------------|---------------------|------|--|--|
| Name | Input Value | | | | |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 412 | | | | |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 106.300003 | | | | |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 10.1000004 | | | | |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 12.1000004 | | | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 13352 | | | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 14442 | | | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 1024 | | | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 54822322 | | | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1081.09998 | | | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 7.33999987e-005 | | | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1081.09998 0.000937999983 | | | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0.000937999963 | | | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 | | | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | | | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | | | | |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 1 | | | | |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | -900.77002 | | | | |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 | | | | |
| VehDyn_Initialize_Cnt_M_lgc | 1 | | | | |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 | | | | |
| VehDyn_MaxOffset_HwDeg_M_f32 | 1270.94995 | | | | |
| VehDyn_MinOffset_HwDeg_M_f32 | -591.51001 | | | | |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 1.5 | | | | |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000472000014 | | | | |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.225999996 | | | | |
| VehDyn_SLPHwPos_HwDeg_M_f32 | 452.589996 | | | | |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 1736795392 | | | | |
| k_HiSpdVDAuthority_Uls_f32 | 1 | | | | |
| k_HwTqMgnThd_HwNm_f32 | 4.0999999 | | | | |
| k_LoSpdVDAuthority_UIs_f32 | 0 | | | | |
| k_SrlHwAgVIdTiThd_mS_u32 | 987 | | | | |
| k_SysKinRatio_MtrDegpHwDeg_f32 k TravelXCDeadband Uls f32 | 31.1499996 | 63.869989 | | | |
| k_TravelXCHwAuthority_UIs_f32 | 0.300000012 | | | | |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 309385728 | | | | |
| target_GetSystemTime_mS_u32_CurrentTime | | 2269150976 | | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed | | 4077829376 | | | |
| target Rte Call Ap VehDyn SystemTime GetSystemTime mS u32 CurrentTin | | | | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg | _f32 | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 | | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNn | n_f32 | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_Mt | rRadpS_f32 | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDe | g_f32 | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthor | | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos | | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc | target_VehDyn_Per1_SrlHwAgVld_Cnt_ | | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg | | | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_ | | | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc | target_VehDyn_Per1_VehicleSpeedVali | | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | target_VehDyn_Per1_VehicleSpeed_Kp -523.549988 | 11_132 | | | |
| target_venDyn_Per1_CcwEO1_HwDeg_r32.value target_VehDyn_Per1_CwEOT_HwDeg_r32.value | -523.549988 898.594971 | | | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | -5.28999996 | | | | |
| target VehDyn Per1 MotorVelCRF MtrRadpS f32.value | -456.579987 | | | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | -1081.09998 | | | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 1 | | | | |
| target VehDyn Per1 SrlHwAg HwDeg f32.value | 452.589996 | | | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | -4.5999999 | | | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 0 | | | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 230.119995 | | | | |
| Name | Actual Value | Expected Value | Resu | | |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 | 1 | | | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 1024 | 1024 | | | |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 54822322 | 54822322 | | | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1081.09998 | -1081.09998 ± 0.009 | | | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1081.09998 | -1081.09998 ± 0.009 | | | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | • | | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | • | | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | • | | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | • | | |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 2269150976 | 2269150976 | | | |
| VehDyn AutoCntrHiSpd M str.Timer2 mS u32 | 54822322 | 54822322 | • | | |

54822322

54822322

 $VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32$



| Name | Actual Value | Expected Value | Result |
|-----------------------------------------------------------------|--------------|-----------------------|----------|
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1081.09998 | -1081.09998 ± 0.009 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1081.09998 | -1081.09998 ± 0.009 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 2269150976 | 2269150976 | • |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 54822322 | 54822322 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1081.09998 | -1081.09998 ± 0.009 | • |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1081.09998 | -1081.09998 ± 0.009 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | • |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 | 0 | • |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 | 0 | • |
| VehDyn_MaxOffset_HwDeg_M_f32 | 1270.94995 | 1270.94995 | ~ |
| VehDyn_MinOffset_HwDeg_M_f32 | 557.549988 | 557.549988 | ~ |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 1.49676108 | 1.49676108 ± 0.000009 | ~ |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 1736795392 | 1736795392 | • |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 1 | 1 ± 0.004 | ~ |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | -180.329956 | -180.330002 ± 0.1 | • |

| 7 | | | | |
|----------------------------------------------------|-------|----------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | • |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | • |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | • |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | • |
| Rte Call VehDyn Per1 CP1 CheckpointReached | 1 | Rte Call VehDyn Per1 CP1 CheckpointReached | 1 | ~ |

| Test Step 2.217 (Repeat Count = 1) | |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|
| Name | Input Value |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| GetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_Igc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 457.200012 |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 34.2000008 |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 12.1999998 |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 88.1999969 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 20423 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 18715 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 54822322 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 1024 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 448.100006 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000939999998 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 448.100006 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000939999998 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 10.5 |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 45.5999985 |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 18.5 |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 42.5999985 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 29076 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 43868 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 54822322 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 1024 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 448.100006 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000739999989 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 448.100006 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000472000014 |



| | | | (|
|-----------------------------------------------------------------------|-----------------------------------------|---------------------|------|
| Name | Input Value | | |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | | |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 | | |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | | |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | | |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 10.1000004 | | |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 116.099998 | | |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 12.3000002 | | |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 53.0999985 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 21364 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 52716 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 54822322 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 1024 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 448.100006 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 7.36000002e-005 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 448.100006 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.00093999998 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | | |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 1 | | |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | -800.859985 | | |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 | | |
| VehDyn_Initialize_Cnt_M_lgc | 0 | | |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | | |
| VehDyn_MaxOffset_HwDeg_M_f32 | -1267.05005 | | |
| VehDyn_MinOffset_HwDeg_M_f32 | -604.950012 | | |
| VehDyn_PinTrqSV_M_str.SV_UIs_f32 | -1.60000002 0.000472999993 | | |
| VehDyn_PinTrqSV_M_str.K_UIs_f32 | 0.234999999 | | |
| VehDyn_SLPHwAuth_Uls_M_f32 | -1600 | | |
| VehDyn_SLPHwPos_HwDeg_M_f32 VehDyn_SrlHwAgVldTimer_mS_M_u32 | 3437401088 | | |
| k_HiSpdVDAuthority_Uls_f32 | 0 | | |
| k_HwTqMgnThd_HwNm_f32 | 5.0999999 | | |
| k_LoSpdVDAuthority_UIs_f32 | 1 | | |
| k_SrlHwAgVldTiThd_mS_u32 | 16445 | | |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 88.4499969 | | |
| k_TravelXCDeadband_Uls_f32 | 34.2900009 | | |
| k_TraveIXCHwAuthority_UIs_f32 | 0.243249997 | | |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 34 | | |
| target_GetSystemTime_mS_u32_CurrentTime | 3533260288 | | |
| target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedT | | | |
| target Rte Call Ap VehDyn SystemTime GetSystemTime mS u32 CurrentTime | | | |
| target Rte Inst Ap VehDyn.VehDyn Per1 CcwEOT HwDeg f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f33 | 2 | |
| target Rte Inst Ap VehDyn.VehDyn Per1 CwEOT HwDeg f32 | target VehDyn Per1 CwEOT HwDeg f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f3 | 2 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRa | dpS_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f | 32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_ | Uls_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_H | wDeg_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_Mtr | Nm_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc | target_VehDyn_Per1_VehicleSpeedValid_0 | nt_lgc | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph_f | 32 | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -531.27002 | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 893.026001 | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | -5.4000001 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | 324.5 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | 448.100006 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 0 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | -1000 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | -4.9000001 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 1 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 245.309998 | | |
| Name | Actual Value | Expected Value | Resu |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 0 | 0 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 54822322 | 54822322 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 1024 | 1024 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 448.100006 | 448.100006 ± 0.0009 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 448.100006 | 448.100006 ± 0.0009 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | |
| | | | |



| Name | Actual Value | Expected Value | Result |
|-----------------------------------------------------------------|--------------|------------------------|----------|
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 54822322 | 54822322 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 1024 | 1024 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 448.100006 | 448.100006 ± 0.0009 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 448.100006 | 448.100006 ± 0.0009 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 54822322 | 54822322 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 1024 | 1024 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 448.100006 | 448.100006 ± 0.0009 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 448.100006 | 448.100006 ± 0.0009 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 | 1 | ✓ |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | ✓ |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | 1 | ✓ |
| VehDyn_MaxOffset_HwDeg_M_f32 | 893.026001 | 893.026001 | ✓ |
| VehDyn_MinOffset_HwDeg_M_f32 | -531.27002 | -531.27002 | ✓ |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | -1.60182357 | -1.60182357 ± 0.000009 | ~ |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 3437401088 | 3437401088 | ~ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 1 | 1 ± 0.004 | ~ |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | 1248.95996 | 1248.95996 ± 0.1 | ✓ |

| T | | | | ✓ |
|----------------------------------------------------|-------|----------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | • |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| DtrmnElapsedTime_mS_u32 | 1 | DtrmnElapsedTime_mS_u32 | 1 | • |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ✓ |

| Name | Input Value |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|
| DtrmnElapsedTime_mS_u32(ElapsedTime) | target DtrmnElapsedTime mS u32 ElapsedTime |
| GetSystemTime mS u32(CurrentTime) | target GetSystemTime mS u32 CurrentTime |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| Rte Call Ap VehDyn SystemTime GetSystemTime mS u32(CurrentTime) | target Rte Call Ap VehDyn SystemTime GetSystemTime mS u32 CurrentTime |
| Rte Inst Ap VehDyn | target Rte Inst Ap VehDyn |
| VehDyn AllowHiSpdAutoCntr Cnt M Igc | 1 |
| VehDyn AutoCntrDetSpd M str.MtrVel MtrRadpS f32 | 580.200012 |
| VehDyn AutoCntrDetSpd M str.VehSpd kph f32 | 76.1999969 |
| VehDyn AutoCntrDetSpd M str.FiltPinTrg HwNm f32 | 12.1999998 |
| VehDyn AutoCntrDetSpd M str.CntrWindow HwDeg f32 | 97.1999969 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 25532 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 27074 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 328928812 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 1078320779 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1482.09998 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000907999987 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1482.09998 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000907999987 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 138.100006 |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 166.699997 |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 19.5 |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 25.6000004 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 10412 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 3277 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 328928812 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 1078320779 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1482.09998 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000707999978 |



| | | (== 10 | <i>)</i> 0 |
|----------------------------------------------------------------------------------------------------------------|----------------------------------------------|-------------------------------------------|------------|
| Name | Input Value | | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1482.09998 | | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000407999993 | | |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | | |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 | | |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | | |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | | |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 138.100006 196 | | |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 18.2000008 | | |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 96.4000015 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 40437 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 13059 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 328928812 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 1078320779 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1482.09998 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 7.0399976e-005 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1482.09998 | | |
| VehDyn_AutoCntrloSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000907999987 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 | | |
| VehDyn AutoCntrLoSpd M str.Filter1Initialized Cnt. Igc | 0 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | | |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 0 | | |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | 797.700012 | | |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 | | |
| VehDyn_Initialize_Cnt_M_lgc | 0 | | |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | | |
| VehDyn_MaxOffset_HwDeg_M_f32 | 1287.68604 | | |
| VehDyn_MinOffset_HwDeg_M_f32 | -517.590027 | | |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 3.20000005 | | |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000456999987 | | |
| VehDyn_SLPHwAuth_Uls_M_f32 VehDyn_SLPHwPos_HwDeg_M_f32 | 0.0909999982 1600 | | |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 110169728 | | |
| k_HiSpdVDAuthority_UIs_f32 | 0.99000001 | | |
| k_HwTqMgnThd_HwNm_f32 | 9.10000038 | | |
| k_LoSpdVDAuthority_UIs_f32 | 1 | | |
| k_SrlHwAgVldTiThd_mS_u32 | 1385 | | |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 88.8700027 | | |
| k_TravelXCDeadband_Uls_f32 | 34.2900009 | | |
| k_TravelXCHwAuthority_Uls_f32 | 0.240799993 | | |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 1736795392 | | |
| target_GetSystemTime_mS_u32_CurrentTime target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedTi | 2075080192 | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_EnapsedTime_ms_u32_CurrentTime | | | |
| target Rte Inst Ap VehDyn.VehDyn Per1 CcwEOT HwDeg f32 | target VehDyn Per1 CcwEOT HwDeg f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 | | |
| target Rte Inst Ap VehDyn.VehDyn Per1 HwTorque HwNm f32 | target_VehDyn_Per1_HwTorque_HwNm_f32 | 2 | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRad | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f3: | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_U | Jls_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_Hw | /Deg_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_MtrN | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc | target_VehDyn_Per1_VehicleSpeedValid_Cr | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | target_VehDyn_Per1_VehicleSpeed_Kph_f3: -360 | <u></u> | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 982.130005 | | |
| target VehDyn Per1 HwTorque HwNm f32.value | -3.6400001 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | 325.5 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | -1482.09998 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 0 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | 298.690002 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | 1.29999995 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 1 | | |
| | 245 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 1 | Expected Value | Resul |
| Name | Actual Value | P. C. | |
| Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 | 1 | • |
| Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 1 328928812 | 1 328928812 | |
| Name VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 | 1 | • |



| Name | Actual Value | Expected Value | Result |
|-----------------------------------------------------------------|--------------|-----------------------|----------|
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 2075080192 | 2075080192 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 1078320779 | 1078320779 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1482.09998 | -1482.09998 ± 0.009 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1482.09998 | -1482.09998 ± 0.009 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 328928812 | 328928812 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 1078320779 | 1078320779 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1482.09998 | -1482.09998 ± 0.009 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1482.09998 | -1482.09998 ± 0.009 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 | 1 | ✓ |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | 1 | ✓ |
| VehDyn_MaxOffset_HwDeg_M_f32 | 982.130005 | 982.130005 | ✓ |
| VehDyn_MinOffset_HwDeg_M_f32 | -360 | -360 | ✓ |
| VehDyn_PinTrqSV_M_str.SV_UIs_f32 | 3.19688082 | 3.19688082 ± 0.000009 | ~ |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 110169728 | 110169728 | ✓ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 0.99000001 | 0.99000001 ± 0.004 | ~ |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | 0 | 0 ± 0.1 | ~ |

| T | | | | V |
|-------------------------------------------------------|-------|-------------------------------------------------------|-------|--------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | • |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | • |

| OtrmnElapsedTime_mS_u32(ElapsedTime) SetSystemTime_mS_u32(CurrentTime) SetSystemTime_mS_u32(CurrentTime) SetC_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) SetC_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) SetC_Lall_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) SetC_Lall_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) SetC_Lall_Ap_VehDyn_AlloCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 SetC_Lall_Ap_VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 SetC_Lall_Ap_VehDyn_AutoCntrDetSpd_M_str.Str.FiltPinTrq_HwNm_f32 SetC_Lall_Ap_VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 SetC_Lall_Ap_VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 SetDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 SetDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 SetDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 SetDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 SetDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | target_DtrmnElapsedTime_mS_u32_ElapsedTime target_GetSystemTime_mS_u32_CurrentTime target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTim target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime target_Rte_Inst_Ap_VehDyn 0 533.299988 88.3000031 2.29999995 |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) Rte_Inst_Ap_VehDyn RehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc RehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 RehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 RehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 RehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 RehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 RehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 RehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 RehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTim target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime target_Rte_Inst_Ap_VehDyn 0 533.299988 88.3000031 |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) Rte_Inst_Ap_VehDyn RehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc RehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 RehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 RehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 RehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 RehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 RehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 RehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 RehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime target_Rte_Inst_Ap_VehDyn 0 533.299988 88.3000031 |
| Rte_Inst_Ap_VehDyn fehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc fehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 fehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 fehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 fehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 fehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 fehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 fehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | target_Rte_Inst_Ap_VehDyn 0 533.299988 88.3000031 |
| /ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc /ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 /ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 /ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 /ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 /ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 /ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 /ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 0 533.299988 88.3000031 |
| /ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 /ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 /ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 /ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 /ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 /ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 /ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 533.299988 88.3000031 |
| /ehDyn_AutoCntrDetSpd_N_str.VehSpd_kph_f32 /ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 /ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 /ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 /ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 /ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 88.3000031 |
| /ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 /ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 /ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 /ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 /ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | |
| /ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 /ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 /ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 /ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 2 2000005 |
| /ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 /ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 /ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 2.29999993 |
| /ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 /ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 10.3000002 |
| /ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 25532 |
| · - · · | 36612 |
| ehDvn_AutoCntrDetSnd_M_str_Timer2_mS_u32 | 164464918 |
| 5.12).1_1 tate of the pa_in_out 1 initial_ine_ace | 1078320779 |
| /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1210.59998 |
| /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000944000029 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1210.59998 |
| /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000944000029 |
| ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| /ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 86.5999985 |
| ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 129.100006 |
| ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 4.5999999 |
| /ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 53.0999985 |
| ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 40437 |
| ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 13059 |
| /ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 164464918 |



| Name | Input Value | | | |
|-----------------------------------------------------------------------|------------------------------------------|----------------|---------------------------------------|--|
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1210.59998 | | | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000744000019 | | | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1210.59998 | | | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000479999988 | | | |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | | | |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 | | | |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | | | |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | | | |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 86.0999985 | | | |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 136.100006 | | | |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 16.2999992 | | | |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 96.0999985 | | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 21335 | | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 34188 | | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 164464918 | | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 1078320779 | | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1210.59998 | | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 7.40000032e-005 | | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1210.59998 | | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000944000029 | | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 | | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 | | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | | | |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 0 | | | |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | -601.039978 | | | |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 | | | |
| VehDyn_Initialize_Cnt_M_lgc | 1 | | | |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | | | |
| VehDyn_MaxOffset_HwDeg_M_f32 | 1259.25 | | | |
| VehDyn_MinOffset_HwDeg_M_f32 | -631.830017 | | | |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 17.7999992 | | | |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000475000008 | | | |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.252999991 | | | |
| VehDyn_SLPHwPos_HwDeg_M_f32 | 0 | | | |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 2024341760 | | | |
| k_HiSpdVDAuthority_Uls_f32 | 0 | | | |
| k_HwTqMgnThd_HwNm_f32 | 7.0999999 | | | |
| k_LoSpdVDAuthority_UIs_f32 | 1 | | | |
| k_SrlHwAgVldTiThd_mS_u32 | 4891 | | | |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 32.5 | | | |
| k_TravelXCDeadband_Uls_f32 | 40.5699997 | | | |
| k TravelXCHwAuthority Uls f32 | 0.267749995 | | | |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 55466 | | | |
| target_GetSystemTime_mS_u32_CurrentTime | 3437401088 | | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedT | 2059598336 | | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime | 463842816 | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f3: | 2 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRad | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f3 | · - | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_U | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_Hw | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc | target VehDyn Per1 SrlHwAgVld Cnt Igc | | | |
| target Rte Inst Ap VehDyn.VehDyn Per1 SrlHwAg HwDeg f32 | target VehDyn Per1 SrlHwAg HwDeg f32 | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_MtrN | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc | target_VehDyn_Per1_VehicleSpeedValid_C | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph_f3 | | | |
| target VehDyn Per1 CcwEOT HwDeg f32.value | -546.710022 | | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 881.888 | | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | -5.61999989 | | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | -147.600006 | | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | 1210.59998 | | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 1 | | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | 10 | | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | 8.19999981 | | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 1 | | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 398.329987 | | | |
| Name | Actual Value | Expected Value | Pagul | |
| | 0 | 0 | Resul | |
| VehDyn AllowHiSpdAutoCntr Cnt M Igc | U | V | · · · · · · · · · · · · · · · · · · · | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 3437401088 | 3437401088 | | |



| Name | Actual Value | Expected Value | Result |
|------------------------------------------------------------------|--------------|----------------------|----------|
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1210.59998 | 1210.59998 ± 0.009 | • |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1210.59998 | 1210.59998 ± 0.009 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 164464918 | 164464918 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 1078320779 | 1078320779 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1210.59998 | 1210.59998 ± 0.009 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1210.59998 | 1210.59998 ± 0.009 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 164464918 | 164464918 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 1078320779 | 1078320779 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1210.59998 | 1210.59998 ± 0.009 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1210.59998 | 1210.59998 ± 0.009 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 | 1 | ✓ |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | 1 | ✓ |
| VehDyn_MaxOffset_HwDeg_M_f32 | -328.711975 | -328.712006 | ~ |
| VehDyn_MinOffset_HwDeg_M_f32 | -631.830017 | -631.830017 | ~ |
| VehDyn_PinTrqSV_M_str.SV_UIs_f32 | 17.7889938 | 17.7889957 ± 0.00009 | ~ |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 2024341760 | 2024341760 | ~ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 1 | 1 ± 0.004 | ~ |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | 10 | 10 ± 0.1 | • |

| Τ | | | | ✓ |
|-------------------------------------------------------|-------|-------------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32 | 1 | • |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | • |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | • |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | • |

| Test Step 2.220 (Repeat Count = 1) | |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|
| Name | Input Value |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| GetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| /ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 |
| /ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 570.200012 |
| ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 76.1999969 |
| ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 4.19999981 |
| ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 25.2000008 |
| ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 49475 |
| ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 22037 |
| ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 219286216 |
| ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 2138628886 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -10.3400002 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000945999986 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -10.3400002 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000945999986 |
| ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| /ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 75.5 |
| ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 88.0999985 |
| ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 16.2000008 |
| ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 86.0999985 |
| /ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 2291 |
| /ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 58929 |



| Name | Input Value |
|-------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 219286216 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 2138628886 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -10.3400002 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000745999976 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -10.3400002 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000483999989 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 75.3000031 |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 146 |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 18.1000004 |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 45.2999992 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 12258 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 36416 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 219286216 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 2138628886 |
| VehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32 | -10.3400002 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 7.41999975e-005 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -10.3400002 |
| VehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32 | 0.000945999986 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| VehDyn AutoCntrLoSpd M str.Filter1Enable_Cnt_lgc VehDyn AutoCntrLoSpd M str.Filter2Enable Cnt_lgc | 1 |
| | 1 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_Igc | |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 1 504 420005 |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | -501.130005 |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 |
| VehDyn_Initialize_Cnt_M_lgc | 0 |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 |
| VehDyn_MaxOffset_HwDeg_M_f32 | -1255.34998 |
| VehDyn_MinOffset_HwDeg_M_f32 | -645.27002 |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | -7 |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000475999987 |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.261999995 |
| VehDyn_SLPHwPos_HwDeg_M_f32 | 1456.47998 |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 2056644736 |
| k_HiSpdVDAuthority_Uls_f32 | 1 |
| k_HwTqMgnThd_HwNm_f32 | 8.10000038 |
| k_LoSpdVDAuthority_Uls_f32 | 0 |
| k_SrlHwAgVldTiThd_mS_u32 | 91986 |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 52.7000008 |
| k_TravelXCDeadband_Uls_f32 | 43.7099991 |
| k_TravelXCHwAuthority_Uls_f32 | 0.280000001 |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 123 |
| target_GetSystemTime_mS_u32_CurrentTime | 3494315776 |
| target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi | |
| | |
| target Rte Inst Ap VehDyn.VehDyn Per1 CcwEOT HwDeg f32 | target VehDyn Per1 CcwEOT HwDeg f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 |
| target Rte Inst Ap VehDyn.VehDyn Perl LwEO1_HwDeg_132 | target VehDyn Per1 HwTorque HwNm f32 |
| target_Rte_Inst_Ap_vehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 |
| target_Rte_Inst_Ap_VenDyn.VenDyn_Per1_motorVerCRF_mtrRaupS_132 target_Rte_Inst_Ap_VenDyn.VenDyn_Per1_RelHwPos_HwDeg_f32 | |
| | target_VehDyn_Per1_RelHwPos_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_Uls_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc | target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph_f32 |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -554.429993 |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 876.31897 |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | -5.73000002 |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | 88.5999985 |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | -10.3400002 |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 0 |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | 156.479996 |
| target VehDyn Per1 TorqueCmdCRF MtrNm f32.value | -8.39999962 |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 0 |
| 5 _ , _ , | 489.125 |
| target VehDvn Per1 VehicleSpeed Koh f32.value | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value Name | Actual Value Expected Value Resul |



| Name | Actual Value | Expected Value | Result |
|------------------------------------------------------------------|--------------|------------------------|----------|
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 219286216 | 219286216 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 2138628886 | 2138628886 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -10.3400002 | -10.3400002 ± 0.00009 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -10.3400002 | -10.3400002 ± 0.00009 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 3494315776 | 3494315776 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 2138628886 | 2138628886 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -10.3400002 | -10.3400002 ± 0.00009 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -10.3400002 | -10.3400002 ± 0.00009 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 3494315776 | 3494315776 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 2138628886 | 2138628886 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -10.3400002 | -10.3400002 ± 0.00009 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -10.3400002 | -10.3400002 ± 0.00009 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 | 0 | ✓ |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | ✓ |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 | 0 | ✓ |
| VehDyn_MaxOffset_HwDeg_M_f32 | 876.31897 | 876.31897 | ~ |
| VehDyn_MinOffset_HwDeg_M_f32 | -554.429993 | -554.429993 | ✓ |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | -6.99947119 | -6.99947119 ± 0.000009 | ~ |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 2056644736 | 2056644736 | ~ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 1 | 1 ± 0.004 | ~ |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | 490.790009 | 490.790009 ± 0.1 | ✓ |

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|-------------------------------------------------------|-------|-------------------------------------------------------|-------|--------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | • |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |

| Test Step 2.221 (Repeat Count = 1) ✓ | | |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|--|
| Name | Input Value | |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime | |
| GetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime | |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime | |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime | |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn | |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 | |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 497.100006 | |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 86.0999985 | |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 6.0999999 | |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 86.0999985 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 43128 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 3186 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 274107514 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 2345892860 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -6.48000002 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000948000001 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -6.48000002 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000948000001 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 98.0999985 | |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 76.5999985 | |



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| Name | Input Value |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 14.1000004 |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 96.5999985 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 38868 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 57944 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 274107514 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 2345892860 |
| VehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32 | -6.48000002 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000747999991 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -6.48000002 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000487999991 |
| VehDyn AutoCntrHiSpd M str.Filter1Enable Cnt Igc | 0 |
| | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 98.099985 |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 156.100006 |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 3.2999995 |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 78.0999985 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 34738 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 36612 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 274107514 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 2345892860 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -6.48000002 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 7.4399999e-005 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -6.48000002 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000948000001 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_Igc | 0 |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 0 |
| VehDyn ForceCenterOffset HwDeg M f32 | -401.220001 |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 |
| VehDyn Initialize Cnt M Igc | 1 |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 |
| VehDyn_MaxOffset_HwDeg_M_f32 | 1251.44995 |
| VehDyn MinOffset HwDeg M f32 | -658.710022 |
| · | 6.30000019 |
| VehDyn_PinTrqSV_M_str.SV_UIs_f32 | 0.000476999994 |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.270999998 |
| VehDyn_SLPHwPos_HwDeg_M_f32 | -147.25 |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 963095040 |
| k_HiSpdVDAuthority_UIs_f32 | 0 |
| k_HwTqMgnThd_HwNm_f32 | 9.10000038 |
| k_LoSpdVDAuthority_UIs_f32 | 1 |
| k_SrlHwAgVldTiThd_mS_u32 | 12 |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 10.3999996 |
| k_TravelXCDeadband_Uls_f32 | 46.8499985 |
| k_TravelXCHwAuthority_Uls_f32 | 0.292250007 |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 2167769344 |
| target_GetSystemTime_mS_u32_CurrentTime | 463842816 |
| $target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseDTime_mS_u33_ElapseD$ | 2659241984 |
| $target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime$ | 1662097408 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f32 |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target VehDyn Per1 MotorVelCRF MtrRadpS f32 |
| target Rte Inst Ap VehDyn.VehDyn Per1 RelHwPos HwDeg f32 | target VehDyn Per1 RelHwPos HwDeg f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_Uls_f32 |
| target Rte Inst Ap VehDyn.VehDyn Per1 SensorlessHwPos HwDeg f32 | target VehDyn Per1 SensorlessHwPos HwDeg f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 |
| target_Rte_Inst_Ap_venDyn.VenDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 |
| | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc | target_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph_f32 |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -562.150024 |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 870.75 |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | -5.84000015 |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | -75.5 |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | -6.48000002 |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 1 |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | -147.25 |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | 4.9000001 |
| | |



| Name | Input Value | | |
|------------------------------------------------------------------|--------------|------------------------|----------|
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 1 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 500.040009 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 274107514 | 274107514 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 2345892860 | 2345892860 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -6.48000002 | -6.48000002 ± 0.000009 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -6.48000002 | -6.48000002 ± 0.000009 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 274107514 | 274107514 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 463842816 | 463842816 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -6.48000002 | -6.48000002 ± 0.000009 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -6.48000002 | -6.48000002 ± 0.000009 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 274107514 | 274107514 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 2345892860 | 2345892860 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -6.48000002 | -6.48000002 ± 0.000009 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -6.48000002 | -6.48000002 ± 0.000009 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 | 1 | ✓ |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | ✓ |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | 1 | ✓ |
| VehDyn_MaxOffset_HwDeg_M_f32 | 877.22998 | 877.22998 | ✓ |
| VehDyn_MinOffset_HwDeg_M_f32 | -555.670044 | -555.669983 | ✓ |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 6.29443407 | 6.29443407 ± 0.000009 | ✓ |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 963095040 | 963095040 | ✓ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 1 | 1 ± 0.004 | ~ |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | -147.25 | -147.25 ± 0.1 | ✓ |

| Τ | | | | |
|-------------------------------------------------------|-------|-------------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| DtrmnElapsedTime_mS_u32 | 1 | DtrmnElapsedTime_mS_u32 | 1 | ✓ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| DtrmnElapsedTime_mS_u32 | 1 | DtrmnElapsedTime_mS_u32 | 1 | ✓ |
| Rte Call VehDvn Per1 CP1 CheckpointReached | 1 | Rte Call VehDvn Per1 CP1 CheckpointReached | 1 | _ |

| Test Step 2.222 (Repeat Count = 1) | ✓ |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|
| Name | Input Value |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| GetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 31.2000008 |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 96.1999969 |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 8.19999981 |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 56.2000008 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 53759 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 30349 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 328928812 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 2553156835 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -444.170013 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000950000016 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -444.170013 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000950000016 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 |



| Name | Input Value |
|-----------------------------------------------------------------------|------------------------------------------------|
| | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 66.3300018 |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 86.0999985 |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 12.2299995 |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 45.0999985 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 53970 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 52282 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 328928812 |
| | 2553156835 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -444.170013 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000750000007 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -444.170013 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000492000021 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 66.3000031 |
| | |
| /ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 126.300003 |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 5.0999999 |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 96.3000031 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 37799 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 41632 |
| VehDyn AutoCntrLoSpd M str.Timer1 mS u32 | 328928812 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 2553156835 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -444.170013 |
| | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 7.46000005e-005 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -444.170013 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000950000016 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| - · · | 0 |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | l' |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | -301.309998 |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 |
| VehDyn_Initialize_Cnt_M_lgc | 0 |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 |
| VehDyn_MaxOffset_HwDeg_M_f32 | -1247.55005 |
| VehDyn MinOffset HwDeg M f32 | -672.150024 |
| VehDyn PinTrgSV M str.SV UIs f32 | 15.199998 |
| VehDyn PinTrqSV M str.K Uls f32 | 0.000478000002 |
| | |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0 |
| VehDyn_SLPHwPos_HwDeg_M_f32 | -154.25 |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 1117112832 |
| <_HiSpdVDAuthority_Uls_f32 | 0 |
| c_HwTqMgnThd_HwNm_f32 | 0.119999997 |
| <pre>c_LoSpdVDAuthority_Uls_f32</pre> | 0 |
| C SrlHwAgVldTiThd mS u32 | 45 |
| | 25.4500008 |
| <_SysKinRatio_MtrDegpHwDeg_f32 <_TravelYCDeadhand_Llip_f33 | |
| c_TravelXCDeadband_Uls_f32 | 49.9900017 |
| C_TraveIXCHwAuthority_Uls_f32 | 0.304500014 |
| arget_DtrmnElapsedTime_mS_u32_ElapsedTime | 3714197504 |
| arget_GetSystemTime_mS_u32_CurrentTime | 1759885568 |
| arget_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedT | 2942063360 |
| target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime | |
| arget Rte Inst Ap VehDyn.VehDyn Per1 CcwEOT HwDeg f32 | target VehDyn Per1 CcwEOT HwDeg f32 |
| · · · · · · · | , · - · · - · · - · · · · · · · · · |
| arget_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f32 |
| arget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_Uls_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 |
| arget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc |
| arget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 |
| | |
| arget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc | target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph_f32 |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -569.869995 |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 865.18103 |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | -5.94999981 |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | 154.5 |
| | [· · · |





| Name | Input Value |
|-----------------------------------------------------------------------|------------------------------------------------|
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| VehDyn AutoCntrDetSpd M str.Filter2Enable Cnt lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 341 |
| | 96.1999969 |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 10.1000004 |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 78.1999969 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 20423 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 31368 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 383750110 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 2760420809 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1146.91003 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000752000022 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1146.91003 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000495999993 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 34.0999985 |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 136.100006 |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 1.29999995 |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 32.0999985 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 26195 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 22037 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 383750110 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 2760420809 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1146.91003 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 7.4800002e-005 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1146.91003 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000951999973 |
| | 1 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_Igc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 1 |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | -201.399994 |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 |
| VehDyn_Initialize_Cnt_M_lgc | 1 |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 |
| VehDyn_MaxOffset_HwDeg_M_f32 | 1243.65002 |
| VehDyn_MinOffset_HwDeg_M_f32 | -685.590027 |
| VehDyn_PinTrqSV_M_str.SV_UIs_f32 | 14 |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000479000009 |
| VehDyn_SLPHwAuth_Uls_M_f32 | 1 |
| VehDyn_SLPHwPos_HwDeg_M_f32 | 45.7999992 |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 2127166208 |
| k_HiSpdVDAuthority_Uls_f32 | 1 |
| k_HwTqMgnThd_HwNm_f32 | 5.44999981 |
| k_LoSpdVDAuthority_UIs_f32 | 1 |
| k_SrlHwAgVldTiThd_mS_u32 | 65 |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 86.5 |
| k TravelXCDeadband Uls f32 | 53.1300011 |
| k_TraveIXCHwAuthority_UIs_f32 | 0.31674999 |
| target DtrmnElapsedTime mS u32 ElapsedTime | 3323480832 |
| target GetSystemTime mS u32 CurrentTime | 1662097408 |
| target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedT | |
| target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime | |
| target Rte Inst Ap VehDyn.VehDyn Per1 CcwEOT HwDeg f32 | target VehDyn Per1 CcwEOT HwDeg f32 |
| | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_Uls_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc | target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph_f32 |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -577.590027 |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 859.612 |
| | |





| Name | Input Value |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|
| VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32 | -1459.40002 |
| VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32 | 0.000961999991 |
| VehDyn AutoCntrDetSpd M str.Filter1Enable Cnt lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 159.600006 |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 68.0999985 |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 16.6000004 |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 86.0999985 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 12258 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 36416 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 1024 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 54822322 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1459.40002 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000761999981 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1459.40002 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 | 0.000515999971 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn AutoCntrHiSpd M str.Filter2Initialized Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 412.700012 |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 106.699997 |
| VehDyn AutoCntrLoSpd M str.FiltPinTrg HwNm f32 | 10.1000004 |
| VehDyn AutoCntrLoSpd M str.CntrWindow HwDeg f32 | 12.6999998 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 13352 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 14442 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 1024 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 54822322 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1459.40002 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 7.58000024e-005 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1459.40002 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000961999991 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 0 |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | -101.489998 |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 |
| VehDyn_Initialize_Cnt_M_lgc | 1 |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 |
| VehDyn_MaxOffset_HwDeg_M_f32 | -1239.75 |
| VehDyn_MinOffset_HwDeg_M_f32 VehDyn_PinTrqSV_M_str.SV_UIs_f32 | -699.030029 1.5 |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000483999989 |
| VehDyn SLPHwAuth Uls M f32 | 0.587000012 |
| VehDyn SLPHwPos HwDeg M f32 | 391.029999 |
| VehDyn SrlHwAgVldTimer mS M u32 | 4243378688 |
| k HiSpdVDAuthority UIs f32 | 0.89999976 |
| k HwTqMgnThd HwNm f32 | 6.32000017 |
| k LoSpdVDAuthority Uls f32 | 1 |
| k_SrlHwAgVldTiThd_mS_u32 | 112 |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 63.2999992 |
| k_TravelXCDeadband_Uls_f32 | 56.2700005 |
| k_TravelXCHwAuthority_Uls_f32 | 0.328999996 |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 71426560 |
| target_GetSystemTime_mS_u32_CurrentTime | 2127166208 |
| target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 Elapsed | TTi 1117112832 |
| $target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_$ | de 4243378688 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_Uls_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc |
| | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAg_HwDeg_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 |
| | |



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|------------------------------------------------------------------|--------------|-----------------------|----------|
| Name | Input Value | | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -585.309998 | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 854.04303 | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | 6.40999985 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | -456.100006 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | -1459.40002 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 1 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | 391.029999 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | -4.5999999 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 0 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 230.139999 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 1024 | 1024 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 54822322 | 54822322 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1459.40002 | -1459.40002 ± 0.009 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1459.40002 | -1459.40002 ± 0.009 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 2127166208 | 2127166208 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 54822322 | 54822322 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1459.40002 | -1459.40002 ± 0.009 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1459.40002 | -1459.40002 ± 0.009 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 1024 | 1024 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 54822322 | 54822322 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1459.40002 | -1459.40002 ± 0.009 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1459.40002 | -1459.40002 ± 0.009 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 | 1 | ✓ |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | ✓ |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 | 0 | ✓ |
| VehDyn_MaxOffset_HwDeg_M_f32 | -1239.75 | -1239.75 | ✓ |
| VehDyn_MinOffset_HwDeg_M_f32 | 874.090027 | 874.090027 | ✓ |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 1.50234127 | 1.50234127 ± 0.000009 | ✓ |
| | | | |

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|----------------------------------------------------|-------|----------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ✓ |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |

4243378688

0.899999976

0

4243378688

0 ± 0.1

0.899999976 ± 0.004

| Test Step 2.225 (Repeat Count = 1) | ✓ |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|
| Name | Input Value |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| GetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 124.099998 |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 206.100006 |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 3.0999999 |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 97.0999985 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 30404 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 30349 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 2553156835 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 3796740682 |

VehDyn_SrlHwAgVldTimer_mS_M_u32

target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value

target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value



| Name | Input Value |
|----------------------------------------------------------------------|------------------------------------------------|
| VehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32 | 267.709991 |
| VehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32 | 0.000847999996 |
| VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32 | 267.709991 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.00847999996 |
| VehDyn AutoCntrDetSpd M str.Filter1Enable Cnt Igc | 0 |
| · - · · | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 138 |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 156 |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 3 |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 52.4000015 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 21335 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 34188 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 2553156835 |
| | 3796740682 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 267.709991 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000636000012 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 267.709991 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000264000002 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| VehDyn AutoCntrHiSpd M str.Filter2Initialized Cnt Igc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 100.599998 |
| | |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 124.699997 |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 6.599999 |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 88.6999969 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 21364 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 52716 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 2553156835 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 3796740682 |
| VehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32 | 267.709991 |
| VehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32 | 7.58000024e-005 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 267.709991 |
| | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000847999996 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 1 |
| VehDyn ForceCenterOffset HwDeg M f32 | -1600 |
| VehDyn HiSpdLearnt Cnt M Iqc | 1 |
| VehDyn_Initialize_Cnt_M_lgc | 0 |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 |
| | |
| VehDyn_MaxOffset_HwDeg_M_f32 | 863.366028 |
| VehDyn_MinOffset_HwDeg_M_f32 | -777.437988 |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 7.80000019 |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000421000004 |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.589999974 |
| VehDyn_SLPHwPos_HwDeg_M_f32 | -573.409973 |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 1050692864 |
| k_HiSpdVDAuthority_Uls_f32 | 0 |
| k HwTqMgnThd HwNm f32 | 1 |
| | |
| k_LoSpdVDAuthority_Uls_f32 | 1 |
| k_SrlHwAgVldTiThd_mS_u32 | 1385 |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 86.0999985 |
| k_TravelXCDeadband_Uls_f32 | 67.2399979 |
| k_TravelXCHwAuthority_Uls_f32 | 0.136675 |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 2269150976 |
| target_GetSystemTime_mS_u32_CurrentTime | 2659241984 |
| target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 Elapse | |
| | |
| target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTir | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_Uls_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 |
| target_Rte_Inst_Ap_vehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc |
| | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 |



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|------------------------------------------------------------------|------------------------------------|-----------------------|----------|
| Name | Input Value | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc | target_VehDyn_Per1_VehicleSpeedVal | id_Cnt_lgc | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_K | oh_f32 | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -818.409973 | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 1422.08105 | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | 5.80000019 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | 1100 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | 267.709991 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 0 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | -573.409973 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | -4.5999999 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 1 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 135.139999 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 2659241984 | 2659241984 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 3796740682 | 3796740682 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 267.709991 | 267.709991 ± 0.0009 | ✓ |
| VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32 | 267.709991 | 267.709991 ± 0.0009 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 2553156835 | 2553156835 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 3796740682 | 3796740682 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 267.709991 | 267.709991 ± 0.0009 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 267.709991 | 267.709991 ± 0.0009 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 2553156835 | 2553156835 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 3796740682 | 3796740682 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 267.709991 | 267.709991 ± 0.0009 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 267.709991 | 267.709991 ± 0.0009 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 | 1 | ✓ |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | ✓ |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | 1 | ✓ |
| VehDyn_MaxOffset_HwDeg_M_f32 | 1422.08105 | 1422.08105 | ✓ |
| VehDyn_MinOffset_HwDeg_M_f32 | -818.409973 | -818.409973 | ✓ |
| Valoria BiaTarov M. ata ov III. 600 | 7 70040500 | 7 70040500 + 0 000000 | |

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|----------------------------------------------------|-------|----------------------------------------------------|-------|--------|--|
| Actual Function | Count | Expected Function | Count | Result | |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ | |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | ~ | |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ | |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ | |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ | |

7.79913568

1050692864

1600

7.79913568 ± 0.000009

1050692864

1 ± 0.004

1600 ± 0.1

| Test Step 2.226 (Repeat Count = 1) | | |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|--|
| Name | Input Value | |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime | |
| GetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime | |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime | |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime | |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn | |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 | |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 138.100006 | |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 216.199997 | |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 1.20000005 | |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 86.1999969 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 10412 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 3277 | |

VehDyn_PinTrqSV_M_str.SV_Uls_f32

VehDyn_SrlHwAgVldTimer_mS_M_u32

target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value

target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value



| | (|
|---------------------------------------------------------------------|------------------------------------------------|
| Name | Input Value |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 2760420809 |
| VehDyn AutoCntrDetSpd M str.Timer2 mS u32 | 54822322 |
| VehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32 | -293.049988 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000850000011 |
| | -293.049988 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000850000011 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 86.1999969 |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 166 |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 5.4000001 |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 41 |
| | |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 12258 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 36416 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 2760420809 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 54822322 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -293.049988 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000638000027 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -293.049988 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000268000003 |
| VehDyn AutoCntrHiSpd M str.Filter1Enable Cnt lgc | 1 |
| | |
| VehDyn_AutoCntrlliSpd_M_str.Filter2Enable_Cnt_lgc | |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 124.699997 |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 216.600006 |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 1.70000005 |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 88.5999985 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 53970 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 52282 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 2760420809 |
| | |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 54822322 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -293.049988 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 7.53999993e-005 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -293.049988 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000850000011 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| VehDyn AutoCntrLoSpd M str.Filter1Initialized Cnt Igc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| VehDyn ForceCenterEnabled Cnt M Igc | 1 |
| | |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | -1000.09998 |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 |
| VehDyn_Initialize_Cnt_M_lgc | 0 |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 |
| VehDyn_MaxOffset_HwDeg_M_f32 | 868.357971 |
| VehDyn_MinOffset_HwDeg_M_f32 | -770.754028 |
| VehDyn_PinTrqSV_M_str.SV_UIs_f32 | 3.20000005 |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000422000012 |
| | 0.606999993 |
| VehDyn_SLPHwAuth_Uls_M_f32 | |
| VehDyn_SLPHwPos_HwDeg_M_f32 | -563.150024 |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 3039943680 |
| x_HiSpdVDAuthority_Uls_f32 | 1 |
| k_HwTqMgnThd_HwNm_f32 | 1.5 |
| k_LoSpdVDAuthority_Uls_f32 | 0 |
| k_SrlHwAgVldTiThd_mS_u32 | 744 |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 96.3000031 |
| TravelXCDeadband Uls f32 | 66.2099991 |
| k_TraveIXCHwAuthority_Uls_f32 | 0.137899995 |
| | |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 3533260288 |
| target_GetSystemTime_mS_u32_CurrentTime | 2942063360 |
| target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_Elapse | |
| arget_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTi | me 3039943680 |
| arget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 |
| rarget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 |
| arget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f32 |
| target_Rte_Inst_Ap_vehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 |
| | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_Uls_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc |
| | |



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|------------------------------------------------------------------|--------------------------------|-----------------------|----------|
| Name | Input Value | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_Hv | vDeg_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmd | CRF_MtrNm_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc | target_VehDyn_Per1_VehicleSpee | edValid_Cnt_lgc | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpee | d_Kph_f32 | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -812.150024 | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 1416.51196 | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | 6 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | -897.599976 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | -293.049988 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 0 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | -563.150024 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | -4.9000001 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 0 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 354.75 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 2760420809 | 2760420809 | • |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 54822322 | 54822322 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -293.049988 | -293.049988 ± 0.0009 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -293.049988 | -293.049988 ± 0.0009 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 2942063360 | 2942063360 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 54822322 | 54822322 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -293.049988 | -293.049988 ± 0.0009 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -293.049988 | -293.049988 ± 0.0009 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 2942063360 | 2942063360 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 54822322 | 54822322 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -293.049988 | -293.049988 ± 0.0009 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -293.049988 | -293.049988 ± 0.0009 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 | 0 | • |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | ✓ |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 | 0 | • |
| VehDyn_MaxOffset_HwDeg_M_f32 | 1416.51196 | 1416.51196 | ✓ |
| VehDyn_MinOffset_HwDeg_M_f32 | -812.150024 | -812.150024 | ~ |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 3.20116019 | 3.20116019 ± 0.000009 | ✓ |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 3039943680 | 3039943680 | ~ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 1 | 1 ± 0.004 | ~ |
| target VohDun Dorf Sensorless Hupber Hupber 122 volus | 707.040000 | 707.040000 + 0.4 | |

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|----------------------------------------------------|-------|----------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ✓ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | - |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |

707.049988

707.049988 ± 0.1

| Test Step 2.227 (Repeat Count = 1) | |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|
| Name | Input Value |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| GetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 498.200012 |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 156.199997 |

target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value



| | (|
|-------------------------------------------------------------------------------------------------------------|---------------------------------------------|
| Name | Input Value |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 3.20000005 |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 52.2000008 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 21335 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 34188 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 274107514 |
| | |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 4004004656 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -627.179993 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000852000026 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -627.179993 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000852000026 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| VehDyn AutoCntrDetSpd M str.Filter1Initialized Cnt Igc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 10 |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 226.399994 |
| · - · · - · · - · - · - · - · - · - · - | 8 |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | • |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 96.1999969 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 53970 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 52282 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 274107514 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 4004004656 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -627.179993 |
| VehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32 | 0.000639999984 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -627.179993 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000272000005 |
| VenDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| | · |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 98.8000031 |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 88.3000031 |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 10.8000002 |
| VehDyn AutoCntrLoSpd M str.CntrWindow HwDeg f32 | 52.2999992 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 38868 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 57944 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 274107514 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 4004004656 |
| | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -627.179993 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 7.56000009e-005 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -627.179993 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000852000026 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| VehDyn AutoCntrLoSpd M str.Filter2Initialized Cnt Igc | 0 |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 1 |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | 0 |
| | 0 |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | |
| VehDyn_Initialize_Cnt_M_lgc | |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 |
| VehDyn_MaxOffset_HwDeg_M_f32 | 873.349976 |
| VehDyn_MinOffset_HwDeg_M_f32 | -764.070007 |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 7.80000019 |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.00042299999 |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.624000013 |
| VehDyn_SLPHwPos_HwDeg_M_f32 | -552.890015 |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 1312298240 |
| k_HiSpdVDAuthority_Uls_f32 | 1 |
| | |
| (_HwTqMgnThd_HwNm_f32 | 9.19999981 |
| C_LoSpdVDAuthority_Uls_f32 | 0 |
| k_SrlHwAgVldTiThd_mS_u32 | 700 |
| x_SysKinRatio_MtrDegpHwDeg_f32 | 32.5 |
| <_TravelXCDeadband_Uls_f32 | 65.1800003 |
| k_TravelXCHwAuthority_Uls_f32 | 0.139125004 |
| rarget_DtrmnElapsedTime_mS_u32_ElapsedTime | 3714197504 |
| arget_GetSystemTime_mS_u32_CurrentTime | 2075080192 |
| arget_GetGysterrime_m3_u32_current/ime arget_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedT | |
| | |
| target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 |
| | |



| Name | Input Value | | |
|-------------------------------------------------------------------|----------------------------------------|-----------------------|----------|
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_ | f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority | Uls f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_F | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgd | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target VehDyn Per1 SrlHwAg HwDeg f3 | 2 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_Mt | rNm f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc | target_VehDyn_Per1_VehicleSpeedValid_ | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph_ | | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -805.890015 | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 1410.94299 | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | 6.19999981 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | 1009.29999 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | -627.179993 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 1 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | -552.890015 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | 4.5999999 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 1 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 398.109985 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn AutoCntrDetSpd M str.Timer1 mS u32 | 274107514 | 274107514 | • |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 4004004656 | 4004004656 | • |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -627.179993 | -627.179993 ± 0.0009 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -627.179993 | -627.179993 ± 0.0009 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 2075080192 | 2075080192 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 4004004656 | 4004004656 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -627.179993 | -627.179993 ± 0.0009 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -627.179993 | -627.179993 ± 0.0009 | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 2075080192 | 2075080192 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 4004004656 | 4004004656 | • |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -627.179993 | -627.179993 ± 0.0009 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -627.179993 | -627.179993 ± 0.0009 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | • |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 | 0 | ✓ |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | • |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 | 0 | ✓ |
| VehDyn_MaxOffset_HwDeg_M_f32 | 873.349976 | 873.349976 | ~ |
| VehDyn_MinOffset_HwDeg_M_f32 | -178.710022 | -178.710007 | • |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 7.79938316 | 7.79938316 ± 0.000009 | ~ |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 1312298240 | 1312298240 | ~ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 1 | 1 ± 0.004 | ~ |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | -627.179993 | -627.179993 ± 0.1 | • |

| Τ | | | | ✓ |
|-------------------------------------------------------|-------|-------------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32 | 1 | • |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | • |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |

| Test Step 2.228 (Repeat Count = 1) | ✓ |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|
| Name | Input Value |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| GetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |



| | | (|
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|-----------------|
| Image: Re. hat Ap. VerDyn VerDyn ApoverBigshabstort, Crit M. 1go VerDyn ApoverBigshabstort, Crit M. 1go VerDyn ApoverBigshabstort, Crit M. 1go VerDyn ApoverBigshabstort, M. 1go VerDyn ApoverBigshabs | Name | Input Value |
| VanDyn, Audorindepth of M. Anthree Mindage IS 2 86,000000000000000000000000000000000000 | Rte_Inst_Ap_VehDyn | · |
| Velicity Audioniches M. Jer Bor's Total Junior 20099999 | VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | |
| Valory Autocritication March March 122 20099999 | VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 86.099985 |
| VARIDAD_ALESCENDESCEM_M_strimersTrees_ms_us_us_us_us_us_us_us_us_us_us_us_us_us | VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 156.100006 |
| VerDip A. MacContribe Spit M. str. Timer Trieven, m. 9, 116 VerDip A. MacContribe Spit M. str. Timer Trieven, m. 9, 116 VerDip A. MacContribe Spit M. str. Timer T. m. 9, 102 VerDip A. MacContribe Spit M. str. Timer T. m. 9, 102 VerDip A. MacContribe Spit M. str. Timer T. m. 9, 102 VerDip A. MacContribe Spit M. str. Timer T. m. 9, 102 VerDip A. MacContribe Spit M. str. Relate Spit III SV J. Medag, str. SV, Us. 102 VerDip A. MacContribe Spit M. str. Relate Spit III SV J. Medag, str. SV, Us. 102 VerDip A. MacContribe Spit M. str. Relate Spit III SV J. Medag, str. SV, Us. 102 VerDip A. MacContribe Spit M. str. Relate Spit III SV J. Medag, str. SV, Us. 102 VerDip A. MacContribe Spit M. str. Relate Spit III SV J. Medag, str. SV, Us. 102 VerDip A. MacContribe Spit M. str. Relate Spit III SV J. Medag, str. SV, Us. 102 VerDip A. MacContribe Spit M. str. Relate Spit III SV J. Medag, str. SV, Us. 102 VerDip A. MacContribe Spit M. str. Relate Spit III SV J. Medag, str. SV, VerDip A. MacContribe Spit M. str. Relate Spit III SV J. Medag, str. VerDip A. MacContribe Spit M. str. Relate Spit III SV J. Medag, str. VerDip A. MacContribe Spit M. str. Relate Spit III SV J. Medag, str. VerDip A. MacContribe Spit M. str. Relate Spit III SV J. Medag, str. VerDip A. MacContribe Spit M. str. Relate Spit III SV J. Medag, str. VerDip A. MacContribe Spit M. str. Relate Spit III SV J. Medag, str. VerDip A. MacContribe Spit M. str. Relate Spit III SV J. Medag, str. VerDip A. MacContribe Spit M. str. Relate Spit III SV J. Medag, str. Villa Spit J. Medag, str. Villa Spit J. Medag, str. Villa Spit J. MacContribe Spit M. str. Relate Spit III SV J. Medag, str. Villa Spit J. Medag, str. Villa Spit J. MacContribe Spit M. str. Relate Spit J. Medag, str. Villa Spit J. Medag, str. | VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 2.0999999 |
| VanDup | VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 42.0999985 |
| VenDry Autocontection M. artimorat_mis_U2 VenDry Autocontection M. | VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 16683 |
| VANDING AUGGENERIS M. AST RENH POST RESY Mong. at SV, Us. 52 | VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 22497 |
| VerDing, Audconfields MJ, 487 Rehlworshill SV, Worley, BK, Ulls, 12 VerDing, Audconfields MJ, 487 Rehlworshill SV, Worley, BK, Ulls, 12 VerDing, Audconfields MJ, 487 Rehlworshill SV, Worley, BK, Ulls, 12 VerDing, Audconfields MJ, 487 Rehlworshill SV, Worley, BK, Ulls, 19 VerDing, Audconfields MJ, 487 Rehlworshill SV, Worley, BK, Ulls, 19 VerDing, Audconfields MJ, 487 Rehlworshill SV, Worley, BK, Ulls, 19 VerDing, Audconfields MJ, 487 Rehlworshill SV, Worley, BK, Ulls, 19 VerDing, Audconfields MJ, 487 Rehlworshill SV, Worley, BK, Ulls, 19 VerDing, Audconfields MJ, 487 Rehlworshill SV, Worley, BK, Ulls, 19 VerDing, Audconfields MJ, 487 Rehlworshill SV, Worley, BK, Ulls, 19 VerDing, Audconfields MJ, 487 Rehlworshill SV, Worley, BK, Ulls, 19 VerDing, Audconfields MJ, 487 Rehlworshill SV, Worley, BK, Ulls, 19 VerDing, Audconfields MJ, 487 Rehlworshill SV, Worley, BK, Ulls, 19 VerDing, Audconfields MJ, 487 Rehlworshill SV, Worley, BK, Ulls, 19 VerDing, Audconfields MJ, 487 Rehlworshill SV, Worley, BK, Ulls, 19 VerDing, Audconfields MJ, 487 Rehlworshill SV, Hooleg at SV, Ulls, 19 VerDing, Audconfields MJ, 487 Rehlworshill SV, Hooleg at SV, Ulls, 19 VerDing, Audconfields MJ, 487 Rehlworshill SV, Hooleg at SV, Ulls, 19 VerDing, Audconfields MJ, 487 Rehlworshill SV, Hooleg at SV, Ulls, 19 VerDing, Audconfields MJ, 487 Rehlworshill SV, Hooleg at SV, Ulls, 19 VerDing, Audconfields MJ, 487 Rehlworshill SV, Hooleg at SV, Ulls, 19 VerDing, Audconfields MJ, 487 Rehlworshill SV, Hooleg at SV, Ulls, 19 VerDing, Audconfields MJ, 487 Rehlworshill SV, Hooleg at SV, Ulls, 19 VerDing, Audconfields MJ, 487 Rehlworshill SV, Hooleg at SV, Ulls, 19 VerDing, Audconfields MJ, 487 Rehlworshill SV, Hooleg at SV, Ulls, 19 VerDing, Audconfields MJ, 487 Rehlworshill SV, Hooleg at SV, Ulls, 19 VerDing, Audconfields MJ, 487 Rehlworshill SV, Hooleg at SV, Ulls, 19 VerDing, Audconfields MJ, 487 Rehlworshill SV, Hooleg at SV, Ulls, 19 VerDing, Audconfields MJ, 487 Rehlworshill SV, Hooleg at SV, Ulls, 19 VerDing, Audconfields MJ, 487 Rehlworshill SV, | VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 2967684784 |
| VerDipty, AuthOrithology M, Jan Reinherper 1815 V, Wabeg, and K, Uls. 122 VerDipty, AuthOrithology M, Jan Reinherper 1820 V, Wabeg, and K, Uls. 122 VerDipty, AuthOrithology M, Jan Reinherper 1820 V, Wabeg, and K, Uls. 122 VerDipty, AuthOrithology M, Jan First France Confluge VerDipty, AuthOrithology M | VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 1024 |
| VerDipt, AutoComities Sp. M. Jir Reicher Certification, 1920. VerDipt, AutoComities Sp. M. Jir Reicher Certification, 1920. VerDipt, AutoComities Sp. M. Jir Reicher Certification, 1920. VerDipt, AutoComities Sp. M. Jir Filter Enable, Cert. Ige. VerDipt, AutoComities Sp. M. Jir Filter Enable, Cert. Ige. VerDipt, AutoComities Sp. M. Jir Filter Enable, Cert. Ige. VerDipt, AutoComities Sp. M. Jir Filter Enable, Cert. Ige. VerDipt, AutoComities Sp. M. Jir Filter Enable, Cert. Ige. VerDipt, AutoComities M. Jir Movel, Markasis, Iliz. VerDipt, AutoComities M. Jir Tirmer Tirmen, Iliz. VerDipt, AutoComities M. Jir Tirmer Tirmer Tirmer, Iliz. VerDipt, AutoComities M. Jir Tirmer Tirmer, Iliz. VerDipt, AutoComities M. Jir Tirmer Tirmer, Iliz. VerDipt, Aut | VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -177.479996 |
| Verbilly Authorithesis M. str. Brieflerbesis (10 b) Verbilly Authorithesis M. str. Brieflerbesis (11 b) Verbilly Authorithesis M. str. Termilly Authorithesis | VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000853999984 |
| VerDip AutoCriticistod M. at FillerEpatile, Crit jop VerDip AutoCriticistod M. at FillerInfinitized Crit jo | VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -177.479996 |
| VerDip Auscombessed M. str. Filter Intelized Crit. Joc. VerDip Auscombessed M. str. Filter Intelized Crit. Joc. VerDip Auscombessed M. str. Filter Intelized Crit. Joc. VerDip Auscombessed M. str. Inter I Treat Intelligence M. str. Intellige | VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000853999984 |
| VerDiny, Austo-Christopd, M. st. Filler Initialized, Chr. Igo | VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | |
| VenDry AutoControllegid M. str. Filter Emission Cont. Igo | VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | |
| Verbilby, Auscontristiged, M. art Wested, App. 12 | VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | |
| VerDyn, AutoChristSod, M. str. Print Timesh. m. Su 16 19999991 19999991 19999991 19999991 19999991 19999991 19999991 19999991 19999991 19999991 19999991 19999991 19999991 19999991 19999991 19999991 19999991 19999991 19999991 19999991 19999991 19999991 19999991 19999991 19999991 19999991 19999991 19999991 19999991 19999991 19999991 19999991 19999991 19999991 19999991 19999991 19999991 19999991 19999991 19999991 199999991 199999991 199999991 199999999 | VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | |
| VerDyn, AutoChristSjod M, set ZirliPrint, Hwhn, fiz VerDyn, AutoChristSjod M, set ZirliPrint, Hwhn, fiz VerDyn, AutoChristSjod M, set ZirliPrint, fix Sid VerDyn, AutoChristSjod M, set ZirliPrint, | | |
| VerDity AutoContrissed M. str. metritrest_ms U16 | | |
| VelDyn, AutoChrifispd, M. str. Timer Thresh, ms_u16 VehDyn, AutoChrifispd, M. str. Timer 1_ms_u32 VehDyn, AutoChrifispd, M. str. Timer 2_ms_u32 VehDyn, AutoChrifispd, M. str. Timer 2_ms_u32 VehDyn, AutoChrifispd, M. str. Timer 2_ms_u32 VehDyn, AutoChrifispd, M. str. AutoPag-str. VehDeg_str. VehDeg_st | · - · | |
| Verbity, AutoCritristiped, M. str. Timer2Tress, m5_u16 Verbity, AutoCritristiped, M. str. Timer2_m5_u32 Verbity, AutoCritristiped, M. str. Timer2_m5_u32 Verbity, AutoCritristiped, M. str. ReinVerpSrittist V-Mode_str. Vills_f32 Verbity, AutoCrittisSpd M. str. Verbityd_str. Verbityd_st | - · · | |
| VehDyn_AutoCntri+liSpd_M_str.Timer1_mS_u32 29867894784 VehDyn_AutoCntri+liSpd_M_str.Timer2_mS_u32 1024 VehDyn_AutoCntri+liSpd_M_str.ReiHwPoSrittSV_HwDeg_str.K_Uils_r32 0.00084199999 VehDyn_AutoCntri+liSpd_M_str.ReiHwPoSrittSV_HwDeg_str.K_Uils_r32 0.00084199999 VehDyn_AutoCntri+liSpd_M_str.ReiHwPoSrittSV_HwDeg_str.K_Uils_r32 0.000876909999 VehDyn_AutoCntri+liSpd_M_str.ReiHwPoSrittSV_HwDeg_str.K_Uils_r32 1.0000076000006 VehDyn_AutoCntri+liSpd_M_str.ReiHwToSrittSV_HwDeg_str.K_Uils_r32 1.0000076000006 VehDyn_AutoCntri+liSpd_M_str.ReiHwToSrittSV_HwDeg_str.K_Uils_r32 1.000000000000000000000000000000000000 | | |
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| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0 VehDyn_LoutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 VehDyn_ForceCenterEnabled_Cnt_M_lgc 1 VehDyn_ForceCenterOffset_HwDeg_M_f32 1200.25 VehDyn_HiSpdLearnt_Cnt_M_lgc 1 VehDyn_Initialize_Cnt_M_lgc 1 VehDyn_LoSpdLearnt_Cnt_M_lgc 1 VehDyn_MaxOffset_HwDeg_M_f32 878.34198 VehDyn_MinOffset_HwDeg_M_f32 757.385986 VehDyn_PinTrqSV_M_str.SV_Uls_f32 -54000001 VehDyn_PinTrqSV_M_str.K_Uls_f32 0.000423999998 VehDyn_SLPHwAuth_uls_M_f32 0.64099973 VehDyn_SLPHwOs_HwDeg_M_f32 -542.630005 VehDyn_SrlHwAgVIdTimer_mS_M_u32 -542.630005 VehDyn_SrlHwAgVIdTimer_mS_M_u32 2075080192 k_HispdVDAuthority_Uls_f32 0.300000012 k_HwTqMgnTnd_HwNm_f32 5.25 k_LoSpdVDAuthority_Uls_f32 1 k_SrlHwAgVIdTiThd_mS_u32 701 k_SysKinRatio_MtrDegpHwDeg_f32 45.099985 k_TravelXCDeadband_Uls_f32 64.1500015 <td>· - ·</td> <td></td> | · - · | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 0 VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0 VehDyn_ForceCenterEnabled_Cnt_M_lgc 1 VehDyn_ForceCenterEnabled_Cnt_M_lgc 1 VehDyn_HiSpdLearnt_Cnt_M_lgc 1 VehDyn_HiSpdLearnt_Cnt_M_lgc 1 VehDyn_Initialize_Cnt_M_lgc 1 VehDyn_LoSpdLearnt_Cnt_M_lgc 1 VehDyn_MaxOffset_HwDeg_M_f32 878.34198 VehDyn_MinOffset_HwDeg_M_f32 757.385986 VehDyn_PinTrqSV_M_str.SV_Uls_f32 -5.4000001 VehDyn_PinTrqSV_M_str.K_Uls_f32 0.000423999998 VehDyn_SLPHwAuth_Uls_M_f32 0.64099973 VehDyn_SLPHwAuth_Uls_M_f32 -542.630005 VehDyn_SrlHwAgVIdTimer_mS_M_u32 2075080192 k_HispdVDAuthority_Uls_f32 0.300000012 k_HwTqMgnThd_HwNm_f32 5.25 k_LoSpdVDAuthority_Uls_f32 1 k_SrlHwAgVIdTiThd_mS_u32 701 k_SysKinRatio_MtrDegpHwDeg_f32 45.099985 k_TravelXCDeadband_Uls_f32 64.1500015 | 7 | |
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| VehDyn_Initialize_Cnt_M_Igc 1 VehDyn_LoSpdLearnt_Cnt_M_Igc 1 VehDyn_MaxOffset_HwDeg_M_f32 878.34198 VehDyn_MinOffset_HwDeg_M_f32 -757.385986 VehDyn_PinTrqSV_M_str.SV_Uls_f32 -5.400001 VehDyn_PinTrqSV_M_str.K_Uls_f32 0.000423999998 VehDyn_SLPHwAuth_Uls_M_f32 0.640999973 VehDyn_SLPHwPos_HwDeg_M_f32 -542.630005 VehDyn_SrlHwAgVIdTimer_mS_M_u32 2075080192 k_HiSpdVDAuthority_Uls_f32 0.30000012 k_HwTqMgnThd_HwNm_f32 5.25 k_LoSpdVDAuthority_Uls_f32 1 k_SriHwAgVIdTiThd_mS_u32 701 k_SysKinRatio_MtrDegpHwDeg_f32 45.0999985 k_TravelXCDeadband_Uls_f32 64.1500015 | | 1 |
| VehDyn_MaxOffset_HwDeg_M_f32 878.34198 VehDyn_MinOffset_HwDeg_M_f32 -757.385986 VehDyn_PinTrqSV_M_str.SV_Uls_f32 -5.4000001 VehDyn_PinTrqSV_M_str.K_Uls_f32 0.000423999998 VehDyn_SLPHwAuth_Uls_M_f32 0.640999973 VehDyn_SLPHwPos_HwDeg_M_f32 -542.630005 VehDyn_SrlHwAgVIdTimer_mS_M_u32 2075080192 k_HiSpdVDAuthority_Uls_f32 0.300000012 k_HwTqMgnThd_HwNm_f32 5.25 k_LoSpdVDAuthority_Uls_f32 1 k_SriHwAgVIdTiThd_mS_u32 701 k_SysKinRatio_MtrDegpHwDeg_f32 45.0999985 k_TravelXCDeadband_Uls_f32 64.1500015 | VehDyn_Initialize_Cnt_M_lgc | 1 |
| VehDyn_MinOffset_HwDeg_M_f32 -757.385986 VehDyn_PinTrqSV_M_str.SV_Uls_f32 -5.400001 VehDyn_PinTrqSV_M_str.K_Uls_f32 0.000423999998 VehDyn_SLPHwAuth_Uls_M_f32 0.640999973 VehDyn_SLPHwPos_HwDeg_M_f32 -542.630005 VehDyn_SrlHwAgVIdTimer_mS_M_u32 2075080192 k_HiSpdVDAuthority_Uls_f32 0.300000012 k_HwTqMgnThd_HwNm_f32 5.25 k_LoSpdVDAuthority_Uls_f32 1 k_SriHwAgVIdTiThd_mS_u32 701 k_SysKinRatio_MtrDegpHwDeg_f32 45.0999985 k_TravelXCDeadband_Uls_f32 64.1500015 | VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 -5.4000001 VehDyn_PinTrqSV_M_str.K_Uls_f32 0.000423999998 VehDyn_SLPHwAuth_Uls_M_f32 0.640999973 VehDyn_SLPHwPos_HwDeg_M_f32 -542.630005 VehDyn_SrlHwAgVIdTimer_mS_M_u32 2075080192 k_HiSpdVDAuthority_Uls_f32 0.300000012 k_HwTqMgnThd_HwNm_f32 5.25 k_LoSpdVDAuthority_Uls_f32 1 k_SriHwAgVIdTiThd_mS_u32 701 k_SysKinRatio_MtrDegpHwDeg_f32 45.0999985 k_TravelXCDeadband_Uls_f32 64.1500015 | VehDyn_MaxOffset_HwDeg_M_f32 | 878.34198 |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 0.000423999998 VehDyn_SLPHwAuth_Uls_M_f32 0.640999973 VehDyn_SLPHwPos_HwDeg_M_f32 -542.630005 VehDyn_SrlHwAgVIdTimer_mS_M_u32 2075080192 k_HiSpdVDAuthority_Uls_f32 0.300000012 k_HwTqMgnThd_HwNm_f32 5.25 k_LoSpdVDAuthority_Uls_f32 1 k_SrlHwAgVIdTiThd_mS_u32 701 k_SysKinRatio_MtrDegpHwDeg_f32 45.0999985 k_TravelXCDeadband_Uls_f32 64.1500015 | VehDyn_MinOffset_HwDeg_M_f32 | -757.385986 |
| VehDyn_SLPHwAuth_Uls_M_f32 0.640999973 VehDyn_SLPHwPos_HwDeg_M_f32 -542.630005 VehDyn_SrlHwAgVldTimer_mS_M_u32 2075080192 k_HiSpdVDAuthority_Uls_f32 0.300000012 k_HwTqMgnThd_HwNm_f32 5.25 k_LoSpdVDAuthority_Uls_f32 1 k_SrlHwAgVldTiThd_mS_u32 701 k_SysKinRatio_MtrDegpHwDeg_f32 45.0999985 k_TravelXCDeadband_Uls_f32 64.1500015 | VehDyn_PinTrqSV_M_str.SV_UIs_f32 | -5.4000001 |
| VehDyn_SLPHwPos_HwDeg_M_32 -542.630005 VehDyn_SrlHwAgVldTimer_mS_M_u32 2075080192 k_HiSpdVDAuthority_UIs_f32 0.30000012 k_HwTqMgnThd_HwNm_f32 5.25 k_LoSpdVDAuthority_UIs_f32 1 k_SrlHwAgVldTiThd_mS_u32 701 k_SysKinRatio_MtrDegpHwDeg_f32 45.0999985 k_TravelXCDeadband_UIs_f32 64.1500015 | VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000423999998 |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 2075080192 k_HiSpdVDAuthority_UIs_f32 0.30000012 k_HwTqMgnThd_HwNm_f32 5.25 k_LoSpdVDAuthority_UIs_f32 1 k_SrlHwAgVldTiThd_mS_u32 701 k_SysKinRatio_MtrDegpHwDeg_f32 45.0999985 k_TravelXCDeadband_UIs_f32 64.1500015 | VehDyn_SLPHwAuth_Uls_M_f32 | 0.640999973 |
| k_HiSpdVDAuthority_UIs_f32 0.30000012 k_HwTqMgnThd_HwNm_f32 5.25 k_LoSpdVDAuthority_UIs_f32 1 k_SriHwAgVIdTiThd_mS_u32 701 k_SysKinRatio_MtrDegpHwDeg_f32 45.0999985 k_TravelXCDeadband_UIs_f32 64.1500015 | VehDyn_SLPHwPos_HwDeg_M_f32 | -542.630005 |
| k_HwTqMgnThd_HwNm_f32 5.25 k_LoSpdVDAuthority_Uls_f32 1 k_SrlHwAgVldTiThd_mS_u32 701 k_SysKinRatio_MtrDegpHwDeg_f32 45.0999985 k_TravelXCDeadband_Uls_f32 64.1500015 | VehDyn_SrlHwAgVldTimer_mS_M_u32 | |
| k_LoSpdVDAuthority_Uls_f32 1 k_SrlHwAgVldTiThd_mS_u32 701 k_SysKinRatio_MtrDegpHwDeg_f32 45.0999985 k_TravelXCDeadband_Uls_f32 64.1500015 | | |
| k_SrlHwAgVldTiThd_mS_u32 701 k_SysKinRatio_MtrDegpHwDeg_f32 45.0999985 k_TravelXCDeadband_Uls_f32 64.1500015 | | |
| k_SysKinRatio_MtrDegpHwDeg_f32 45.0999985 k_TravelXCDeadband_Uls_f32 64.1500015 | | |
| k_TravelXCDeadband_Uls_f32 64.1500015 | | |
| | k_SysKinRatio_MtrDegpHwDeg_f32 | 45.0999985 |
| k_TravelXCHwAuthority_Uls_f32 0.140349999 | | |
| | | |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime 812314880 | | |
| target_GetSystemTime_mS_u32_CurrentTime 1117112832 | · - · | |
| target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi 463842816 | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime 2075080192 | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTim | le 2075080192 |



| Name | Input Value | | |
|-------------------------------------------------------------------|---------------------------------|------------------------|----------|
| arget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 | target VehDyn Per1 CcwEOT Hwl | Deg f32 | |
| arget Rte Inst Ap VehDyn.VehDyn Per1 CwEOT HwDeg f32 | target_VehDyn_Per1_CwEOT_HwD | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_Hv | | |
| target Rte Inst Ap VehDyn.VehDyn Per1 MotorVelCRF MtrRadpS f32 | target_VehDyn_Per1_MotorVelCRF | _ | |
| target Rte Inst Ap VehDyn.VehDyn Per1 RelHwPos HwDeg f32 | target_VehDyn_Per1_RelHwPos_Hv | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAu | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHw | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc | target_VehDyn_Per1_SrlHwAgVld_0 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwI | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCl | RF_MtrNm_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc | target_VehDyn_Per1_VehicleSpeed | Valid_Cnt_lgc | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed | _Kph_f32 | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -799.630005 | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 1405.37402 | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | 6.4000001 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | 154.539993 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | -177.479996 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 1 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | -542.630005 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | -1.8999998 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 1 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 126.220001 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 2967684784 | 2967684784 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 1024 | 1024 | _ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -177.479996 | -177.479996 ± 0.0009 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -177.479996 | -177.479996 ± 0.0009 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | _ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 1117112832 | 1117112832 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 1024 | 1024 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -177.479996 | -177.479996 ± 0.0009 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -177.479996 | -177.479996 ± 0.0009 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn AutoCntrLoSpd M str.Timer1 mS u32 | 2967684784 | 2967684784 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 1024 | 1024 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -177.479996 | -177.479996 ± 0.0009 | ✓ |
| VehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32 | 710.950012 | 710.950012 ± 0.0009 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn AutoCntrLoSpd M str.Filter2Enable Cnt lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_Igc | 0 | 0 | ✓ |
| VehDyn AutoCntrLoSpd M str.Filter2Initialized Cnt lgc | 1 | 1 | ✓ |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 | 1 | ✓ |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | ✓ |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | 1 | ✓ |
| VehDyn_MaxOffset_HwDeg_M_f32 | 878.34198 | 878.34198 | ~ |
| VehDyn MinOffset HwDeq M f32 | -622.150024 | -622.150024 | ~ |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | -5.39501476 | -5.39501476 ± 0.000009 | _ |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 2075080192 | 2075080192 | • |
| target VehDyn Per1 SensorlessAuthority Uls f32.value | 1 | 1 ± 0.004 | ~ |
| target VehDyn Per1 SensorlessHwPos HwDeg f32.value | -1377.72998 | -1377.72998 ± 0.1 | ✓ |

| Т | | | | ✓ |
|----------------------------------------------------|-------|----------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | • |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | • |
| Rte Call VehDvn Per1 CP1 CheckpointReached | 1 | Rte Call VehDvn Per1 CP1 CheckpointReached | 1 | ✓ |

| Test Step 2.229 (Repeat Count = 1) | ✓ |
|--------------------------------------|--------------------------------------------|
| Name | Input Value |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| GetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |



| lame | Input Value |
|----------------------------------------------------------------------------------|--------------------------------------------------------------------------|
| te_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| te_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| tte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 |
| ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 44.4000015 |
| ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 166.399994 |
| ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 4.400001 |
| ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 12.3999996 |
| ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 5235 |
| ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 27074 |
| ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 3174948758 |
| ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 4290967295 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 731.700012 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.0085599999 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 731.700012 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000855999999 |
| ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | |
| ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 96 |
| ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 186.399994 |
| ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 7 |
| ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 88.1999969 |
| ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 26195 |
| ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 22037 |
| ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 3174948758 |
| ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 4290967295 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 731.700012 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000644000014 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 731.700012 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000280000007 |
| ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 88.300031 |
| ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 236.300003 |
| ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 4.3000019 |
| ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 97.3000031 |
| ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 7034 |
| ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 39056 |
| ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 3174948758 |
| ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 4290967295 |
| ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 731.700012 |
| ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 6.3999998e-005 |
| ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 | -714.090027 |
| ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000855999999 |
| ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| ehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| ehDyn_ForceCenterEnabled_Cnt_M_lgc | 1 |
| ehDyn_ForceCenterOffset_HwDeg_M_f32 | 1600 |
| ehDyn_HiSpdLearnt_Cnt_M_lgc | 0 |
| ehDyn_Initialize_Cnt_M_lgc | 0 |
| ehDyn_LoSpdLearnt_Cnt_M_lgc | 0 |
| ehDyn_MaxOffset_HwDeg_M_f32 | 883.333984 |
| ehDyn_MinOffset_HwDeg_M_f32 | -750.702026 |
| ehDyn_PinTrqSV_M_str.SV_UIs_f32 | 7.599999 |
| ehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.00425000006 |
| ehDyn_SLPHwAuth_Uls_M_f32 | 0.657999992 |
| ehDyn_SLPHwPos_HwDeg_M_f32 | -532.369995 |
| ehDyn_SrlHwAgVldTimer_mS_M_u32 | 954802432 |
| _HiSpdVDAuthority_Uls_f32 | 1 |
| _HwTqMgnThd_HwNm_f32 | 1.10000002 |
| _LoSpdVDAuthority_Uls_f32 | 0 |
| _SrlHwAgVldTiThd_mS_u32 | 702 |
| _SysKinRatio_MtrDegpHwDeg_f32 | 78.3000031 |
| _TravelXCDeadband_Uls_f32 | 63.1199989 |
| _TraveIXCHwAuthority_Uls_f32 | 0.141574994 |
| | |
| arget_DtrmnElapsedTime_mS_u32_ElapsedTime arget GetSystemTime mS u32 CurrentTime | 3345084416 1736795392 |



| Name | Input Value | | |
|-------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|------------------------------------|--------|
| target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime | 1759885568 | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime | 954802432 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f3: | 2 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRac | lpS_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f3 | 32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_U | Jls_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_Hv | vDeg_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_MtrN | Nm_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc | target_VehDyn_Per1_VehicleSpeedValid_C | nt_lgc | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph_f3 | 32 | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -793.369995 | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 1399.80505 | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | 6.5999999 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | -759 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | 731.700012 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 0 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | -532.369995 | | |
| target VehDyn Per1 TorqueCmdCRF MtrNm f32.value | 8.19999981 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 0 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 354.98999 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn AllowHiSpdAutoCntr Cnt M Iqc | 1 | 1 | |
| VehDyn AutoCntrDetSpd M str.Timer1 mS u32 | 3174948758 | 3174948758 | - |
| VehDyn AutoCntrDetSpd M str.Timer2 mS u32 | 4290967295 | 4290967295 | • |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 731.700012 | 731.700012 ± 0.0009 | • |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 731.700012 | 731.700012 ± 0.0009 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 1736795392 | 1736795392 | • |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 4290967295 | 4290967295 | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 731.700012 | 731.700012 ± 0.0009 | • |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 731.700012 | 731.700012 ± 0.0009 | |
| VehDyn AutoCntrHiSpd M str.Filter1Enable Cnt Igc | 0 | 0 | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | |
| VehDyn AutoCntrHiSpd M str.Filter1Initialized Cnt Igc | 0 | 0 | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 1736795392 | 1736795392 | |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 4290967295 | 4290967295 | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 731.700012 | 731.700012 ± 0.0009 | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -714.090027 | -714.090027 ± 0.0009 | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | j |
| VehDyn HiSpdLearnt Cnt M Igc | 0 | 0 | |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | |
| VehDyn LoSpdLearnt Cnt M lqc | 0 | 0 | |
| VehDyn_MaxOffset_HwDeg_M_f32 | 1399.80505 | 1399.80505 | |
| VehDyn_MinOffset_HwDeg_M_f32 | -793.369995 | -793.369995 | |
| VehDyn_PinTrqSV_M_str.SV_UIs_f32 | 7.59961939 | 7.59961939 ± 0.000009 | |
| | 954802432 | 7.59961939 ± 0.000009 954802432 | |
| Vehllyn Sriffwadvid Limer mS M 1132 | | 007002402 | _ |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 target_VehDyn_Per1_SensorlessAuthority_Uls_f32_value | | 1 + 0 004 | - |
| VenDyn_SrlHwAgVld I imer_mS_M_u32 target_VenDyn_Per1_SensorlessAuthority_Uls_f32.value target_VenDyn_Per1_SensorlessHwPos_HwDeg_f32.value | 1 -868.299988 | 1 ± 0.004 -868.299988 ± 0.1 | |

| T | | | | ✓ |
|----------------------------------------------------|-------|----------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | ✓ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ✓ |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |



| Fest Step 2.230 (Repeat Count = 1) | Input Value |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|
| Name | Input Value |
| OtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| SetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| tte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| /ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 0 |
| ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 96.099985 |
| /ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 176.100006 |
| /ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 6.0999999 |
| /ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 53.0999985 |
| /ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 29076 |
| /ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 43868 |
| /ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 3382212733 |
| /ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 1078320779 |
| /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -968.400024 |
| /ehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32 | 0.000858000014 |
| /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -968.400024 |
| /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000858000014 |
| 'ehDyn AutoCntrDetSpd M str.Filter1Enable Cnt lgc | 0 |
| /ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| /ehDyn AutoCntrDetSpd M str.Filter1Initialized Cnt Igc | 0 |
| /ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| | 100.199997 |
| /ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | |
| /ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 196 |
| /ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 5.4000001 |
| /ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 75 |
| /ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 43190 |
| /ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 3186 |
| /ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 3382212733 |
| /ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 1078320779 |
| /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -968.400024 |
| /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000645999971 |
| /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 | -968.400024 |
| /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000284000009 |
| /ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| /ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| /ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| /ehDyn AutoCntrHiSpd M str.Filter2Initialized Cnt Igc | 0 |
| /ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 94.1999969 |
| /ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 246.199997 |
| /ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 6.19999981 |
| /ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 86.1999969 |
| | 25532 |
| /ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | |
| /ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 27401 |
| /ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 3382212733 |
| /ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 1078320779 |
| /ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -968.400024 |
| /ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 6.42000014e-005 |
| /ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 110.5 |
| /ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000858000014 |
| /ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| /ehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| /ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| /ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| /ehDyn_ForceCenterEnabled_Cnt_M_lgc | 0 |
| /ehDyn_ForceCenterOffset_HwDeg_M_f32 | 1000.12 |
| /ehDyn_HiSpdLearnt_Cnt_M_lgc | 1 |
| 'ehDyn Initialize Cnt M Igc | 0 |
| ehDyn_LoSpdLearnt Cnt M lgc | 1 |
| ehDyn_MaxOffset_HwDeg_M_f32 | 888.325989 |
| ehDyn MinOffset HwDeg M f32 | -744.018005 |
| ehDyn_NinToriset_nwDeg_M_i32 /ehDyn_PinTrqSV_M_str.SV_Uls_f32 | 1.5 |
| | |
| /ehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000426000013 |
| /ehDyn_SLPHwAuth_Uls_M_f32 | 0.675000012 |
| /ehDyn_SLPHwPos_HwDeg_M_f32 | -522.109985 |
| /ehDyn_SrlHwAgVldTimer_mS_M_u32 | 2728878080 |
| _HiSpdVDAuthority_Uls_f32 | 0 |
| _HwTqMgnThd_HwNm_f32 | 1.20000005 |
| _LoSpdVDAuthority_Uls_f32 | 1 |
| _SrlHwAgVldTiThd_mS_u32 | 703 |
| SysKinRatio_MtrDegpHwDeg_f32 | 96.5 |



| Nama | Innut Value | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|-----------------------|----------|
| Name k TravelXCDeadband Uls f32 | Input Value 62.0900002 | | |
| k_TravelXCHwAuthority_Uls_f32 | 0.142800003 | | |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 2704864000 | | |
| target GetSystemTime mS u32 CurrentTime | 3437401088 | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTi | | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime | | | |
| target Rte Inst Ap VehDyn.VehDyn Per1 CcwEOT HwDeg f32 | target VehDyn Per1 CcwEOT HwDeg f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target VehDyn Per1 HwTorque HwNm f32 | 2 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRad | pS f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f3 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_L | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_Hw | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_MtrN | lm_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc | target_VehDyn_Per1_VehicleSpeedValid_Cr | nt_lgc | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph_f3 | 2 | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -787.109985 | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 1394.23596 | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | 6.80000019 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | -897.599976 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | -968.400024 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 0 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | -522.109985 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | -8.39999962 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 1 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 452.359985 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 3437401088 | 3437401088 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 1078320779 | 1078320779 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -968.400024 | -968.400024 ± 0.0009 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -968.400024 | -968.400024 ± 0.0009 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 3382212733 | 3382212733 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 1078320779 | 1078320779 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -968.400024 | -968.400024 ± 0.0009 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -968.400024 | -968.400024 ± 0.0009 | - |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | · · |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrl_Spd_M_str.Timer1_mS_u32 | 3382212733 | 3382212733 | * |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 1078320779 -968.400024 | 1078320779 | - |
| VehDyn_AutoCntrloSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | | -968.400024 ± 0.0009 | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 110.5 | 110.5 ± 0.0009 | - |
| | 0 | 0 | |
| VehDyn_AutoCntrl_oSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | |
| VehDyn HiSpdLearnt Cnt M Igc | 1 | 1 | |
| VehDyn Initialize Cnt M Igc | 1 | 1 | |
| VehDyn LoSpdLearnt Cnt M Iqc | 1 | 1 | |
| VehDyn_MaxOffset_HwDeg_M_f32 | 1394.23596 | 1394.23596 | |
| VehDyn_MinOffset_HwDeg_M_f32 | -787.109985 | -787.109985 | - |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 1.50222075 | 1.50222075 ± 0.000009 | |
| VehDyn SrlHwAgVldTimer mS M u32 | 2728878080 | 2728878080 | - |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 0.675000012 | 0.675000012 ± 0.004 | |
| | -1490.51001 | -1490.51001 ± 0.1 | ~ |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | -1490.51001 | | |

| Τ | | | | ✓ |
|----------------------------------------------------|-------|----------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | • |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | • |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |



| ame | Input Value |
|------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
| ame rmnElapsedTime_mS_u32(ElapsedTime) | • |
| rmnElapsed i ime_ms_u32(Elapsed i ime) etSystemTime mS_u32(CurrentTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime target GetSystemTime mS_u32_CurrentTime |
| e_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| e_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| e_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 |
| hDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 100.300003 |
| hDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 186.300003 |
| hDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 14.3000002 |
| hDyn AutoCntrDetSpd M str.CntrWindow HwDeg f32 | 86.3000031 |
| hDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 32821 |
| hDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 53946 |
| hDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 3589476707 |
| hDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 2138628886 |
| hDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 49.4199982 |
| hDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000859999971 |
| hDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 49.4199982 |
| hDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000859999971 |
| hDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| hDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| hDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| hDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| hDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 124 |
| hDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 206.199997 |
| hDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 3 |
| hDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 97.4000015 |
| hDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 30404 |
| hDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 30349 |
| hDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 3589476707 |
| hDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 2138628886 |
| hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 49.4199982 |
| hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000647999987 |
| hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 49.4199982 |
| hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.00028800001 |
| hDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| hDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| hDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| hDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| hDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 126.300003 |
| hDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 123.300003 |
| hDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 14.3000002 |
| hDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 42.2999992 |
| hDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 12258 |
| hDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 36416 |
| hDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 3589476707 |
| hDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 2138628886 |
| hDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 49.4199982 |
| hDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 6.44000029e-005 |
| hDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDog_str.SV_Uls_f32 | -1014.73999 0.000859999971 |
| hDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | |
| hDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 1 |
| hDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc hDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| hDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc hDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| hDyn_AutoCntrLoSpo_M_str.Filterzinitialized_Cnt_lgc hDyn_ForceCenterEnabled_Cnt_M_lgc | 1 |
| hDyn_ForceCenterEnabled_Cnt_w_gc hDyn_ForceCenterOffset_HwDeg_M_f32 | -1200.56006 |
| hDyn_HiSpdLearnt_Cnt_M_lgc | 0 |
| hDyn_nispateamt_cnt_m_igc hDyn_Initialize_Cnt_M_lgc | 1 |
| Dyn_LoSpdLearnt_Cnt_M_lgc | 0 |
| nDyn_MaxOffset_HwDeg_M_f32 | 893.317993 |
| nDyn MinOffset HwDeg M f32 | -737.333984 |
| hDyn_PinTrqSV_M_str.SV_UIs_f32 | -1.60000002 |
| hDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000426999992 |
| hDyn_SLPHwAuth_Uls_M_f32 | 0.691999972 |
| hDyn SLPHwPos HwDeg M f32 | -511.850006 |
| hDyn SrlHwAgVldTimer mS M u32 | 824746752 |
| HiSpdVDAuthority_UIs_f32 | 1 |
| HwTqMgnThd_HwNm_f32 | 6.5 |
| LoSpdVDAuthority Uls f32 | 0 |
| | 9000 |



| Name | Input Value | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|
| k_SysKinRatio_MtrDegpHwDeg_f32 | 32.0999985 | | |
| k_TravelXCDeadband_Uls_f32 | 61.0600014 | | |
| k_TravelXCHwAuthority_Uls_f32 | 0.144024998 | | |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 662694400 | | |
| target_GetSystemTime_mS_u32_CurrentTime | 3494315776 | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_E | 1117112832 | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime | | | |
| target_Rte_Inst_Ap_VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f3 | 2 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 | | |
| target Rte Inst Ap VehDyn.VehDyn Per1 HwTorque HwNm f32 | target_VehDyn_Per1_HwTorque_HwNm_f3 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRa | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_t | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target VehDyn Per1 SensorlessAuthority | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_H | _ | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f3: | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_Mtr | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc | target_VehDyn_Per1_VehicleSpeedValid_0 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph_t | | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -780.849976 | ~ - | |
| target VehDyn Per1 CwEOT_HwDeg_i32.value | 1388.66699 | | |
| target VehDyn Per1 HwTorque HwNm f32.value | 7 | | |
| · · · · · - · - · - · - · · - · · · · · | | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | -835.98999 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | 49.4199982 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 1 -511.850006 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | 4.9000001 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 0 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 423.769989 | 1 | |
| Name | Actual Value | Expected Value | Resul |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 | 1 | • |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 3589476707 | 3589476707 | • |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 2138628886 | 2138628886 | • |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 49.4199982 | 49.4199982 ± 0.00009 | • |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | | | |
| venbyn_Autoentrbetopd_ivi_str.iven ivi osi itizov_nwbeg_str.ov_ois_isz | 49.4199982 | 49.4199982 ± 0.00009 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 49.4199982 ± 0.00009 | • |
| | | | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 1 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 1 1 | 1 1 1 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 1 1 0 | 1 1 1 0 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 1 1 1 0 3494315776 | 1 1 1 0 3494315776 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 1 1 1 0 3494315776 2138628886 | 1 1 1 0 3494315776 2138628886 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1 1 1 0 3494315776 2138628886 49.4199982 | 1 1 1 0 3494315776 2138628886 49.4199982 ± 0.00009 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1 1 1 0 3494315776 2138628886 49.4199982 49.4199982 | 1 1 0 3494315776 2138628886 49.4199982 ± 0.00009 49.4199982 ± 0.00009 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1 1 1 0 3494315776 2138628886 49.4199982 49.4199982 | 1 1 0 3494315776 2138628886 49.4199982 ± 0.00009 49.4199982 ± 0.00009 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 1 1 0 3494315776 2138628886 49.4199982 49.4199982 0 | 1 1 1 0 3494315776 2138628886 49.4199982 ± 0.00009 0 0 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 1 0 3494315776 2138628886 49.4199982 49.4199982 0 | 1 1 1 0 3494315776 2138628886 49.4199982 ± 0.00009 0 0 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 1 1 0 3494315776 2138628886 49.4199982 49.4199982 0 0 | 1 1 1 0 3494315776 2138628886 49.4199982 ± 0.00009 0 0 0 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 1 1 1 0 3494315776 2138628886 49.4199982 49.4199982 0 0 0 | 1 1 1 0 3494315776 2138628886 49.4199982 ± 0.00009 0 0 0 1 3494315776 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 1 1 1 0 3494315776 2138628886 49.4199982 49.4199982 0 0 0 1 1 3494315776 2138628886 | 1 1 1 0 3494315776 2138628886 49.4199982 ± 0.00009 0 0 0 1 3494315776 2138628886 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1 1 1 0 3494315776 2138628886 49.4199982 49.4199982 0 0 0 1 3494315776 2138628886 49.4199982 | 1 1 1 0 3494315776 2138628886 49.4199982 ± 0.00009 0 0 0 1 3494315776 2138628886 49.4199982 ± 0.00009 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1 1 1 0 3494315776 2138628886 49.4199982 49.4199982 0 0 0 1 3494315776 2138628886 49.4199982 -1014.73999 | 1 1 1 0 3494315776 2138628886 49.4199982 ± 0.00009 0 0 0 1 3494315776 2138628886 49.4199982 ± 0.00009 -1014.73999 ± 0.009 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 1 1 0 3494315776 2138628886 49.4199982 49.4199982 0 0 0 1 1 3494315776 2138628886 49.4199982 -1014.73999 0 | 1 1 1 0 3494315776 2138628886 49.4199982 ± 0.00009 0 0 0 1 3494315776 2138628886 49.4199982 ± 0.00009 -1014.73999 ± 0.009 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 1 1 0 3494315776 2138628886 49.4199982 49.4199982 0 0 0 1 1 3494315776 2138628886 49.4199982 -1014.73999 0 | 1 1 1 0 3494315776 2138628886 49.4199982 ± 0.00009 0 0 0 1 3494315776 2138628886 49.4199982 ± 0.00009 -1014.73999 ± 0.009 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 1 1 0 3494315776 2138628886 49.4199982 49.4199982 0 0 0 1 1 3494315776 2138628886 49.4199982 -1014.73999 0 | 1 1 1 0 3494315776 2138628886 49.4199982 ± 0.00009 0 0 0 1 3494315776 2138628886 49.4199982 ± 0.00009 -1014.73999 ± 0.009 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 1 1 0 3494315776 2138628886 49.4199982 49.4199982 0 0 0 1 3494315776 2138628886 49.4199982 -1014.73999 0 1 1 | 1 1 1 1 0 3494315776 2138628886 49.4199982 ± 0.00009 0 0 1 3494315776 2138628886 49.4199982 ± 0.00009 -1014.73999 ± 0.0009 0 1 1 1 1 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 1 1 0 3494315776 2138628886 49.4199982 49.4199982 0 0 0 1 1 3494315776 2138628886 49.4199982 -1014.73999 0 1 1 | 1 1 1 1 0 3494315776 2138628886 49.4199982 ± 0.00009 0 0 1 3494315776 2138628886 49.4199982 ± 0.00009 0 0 1 1 14173999 ± 0.0009 0 1 1 1 1 0 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHoSpd_M_str.Filter3ensble_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter3ensble_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter3ensble_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc | 1 1 1 1 0 3494315776 2138628886 49.4199982 49.4199982 0 0 1 1 3494315776 2138628886 49.4199982 -1014.73999 0 1 1 1 0 1 0 1 | 1 1 1 1 0 3494315776 2138628886 49.4199982 ± 0.00009 0 0 1 3494315776 2138628886 49.4199982 ± 0.00009 0 1 1 3494315776 2138628886 49.4199982 ± 0.00009 -1014.73999 ± 0.009 0 1 1 1 0 1 0 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32 | 1 1 1 1 0 3494315776 2138628886 49.4199982 49.4199982 0 0 1 1 3494315776 2138628886 49.4199982 -1014.73999 0 1 1 1 0 893.317993 | 1 1 1 1 0 3494315776 2138628886 49.4199982 ± 0.00009 0 0 1 3494315776 2138628886 49.4199982 ± 0.00009 0 1 1 3494315776 2138628886 49.4199982 ± 0.00009 -1014.73999 ± 0.009 0 1 1 1 0 1 0 893.317993 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFit1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFit2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32 | 1 1 1 1 0 3494315776 2138628886 49.4199982 49.4199982 0 0 1 1 3494315776 2138628886 49.4199982 -1014.73999 0 1 1 1 0 893.317993 -737.333984 | 1 1 1 1 0 3494315776 2138628886 49.4199982 ± 0.00009 0 0 1 3494315776 2138628886 49.4199982 ± 0.00009 -1014.73999 ± 0.0009 0 1 1 1 1 0 1 0 893.317993 -737.333984 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter3Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter3Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter3Initialized_Cnt_lgc | 1 1 1 1 0 3494315776 2138628886 49.4199982 49.4199982 0 0 1 1 3494315776 2138628886 49.4199982 -1014.73999 0 1 1 1 0 893.317993 -737.333984 -1.59626269 | 1 1 1 1 0 3494315776 2138628886 49.4199982 ± 0.00009 0 0 1 3494315776 2138628886 49.4199982 ± 0.00009 0 1 1 3494315776 2138628886 49.4199982 ± 0.00009 -1014.73999 ± 0.009 0 1 1 1 0 893.317993 -737.333984 -1.59626257 ± 0.000009 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFit1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFit2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32 | 1 1 1 1 0 3494315776 2138628886 49.4199982 49.4199982 0 0 1 1 3494315776 2138628886 49.4199982 -1014.73999 0 1 1 1 0 893.317993 -737.333984 | 1 1 1 1 0 3494315776 2138628886 49.4199982 ± 0.00009 0 0 1 3494315776 2138628886 49.4199982 ± 0.00009 -1014.73999 ± 0.0009 0 1 1 1 1 0 1 0 893.317993 -737.333984 | |



| T | | | | ✓ |
|----------------------------------------------------|-------|----------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | • |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | • |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |

| est Step 2.232 (Repeat Count = 1) ame | Input Value |
|----------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|
| ame trmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| etSystemTime mS u32(CurrentTime) | target GetSystemTime mS u32 CurrentTime |
| | |
| te_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| te_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| te_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 0 |
| ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 9.5 |
| ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 226.5 |
| ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 4.5 |
| ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 53.5 |
| ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 21364 |
| ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 52282 |
| ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 2553156835 |
| ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 2760420809 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1397.33997 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.00091599999 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1397.33997 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.00091599999 |
| ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 100.400002 |
| ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 206.100006 |
| ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 7.0999999 |
| ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 85.5999985 |
| ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 2291 |
| ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 58929 |
| ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 2553156835 |
| ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 2760420809 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1397.33997 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.00071599998 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1397.33997 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000423999998 |
| ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 100.400002 |
| ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 236.5 |
| ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 4.30000019 |
| ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 32.4000015 |
| ehDyn AutoCntrLoSpd M str.Timer1Thresh mS u16 | 20423 |
| ehDyn AutoCntrLoSpd M str.Timer2Thresh mS u16 | 31368 |
| ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 2553156835 |
| ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 2760420809 |
| ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1397.33997 |
| ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 7.11999965e-005 |
| ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.Ry_Uls_f32 | -1397.33997 |
| hDyn_AutoCntrLoSpd_M_str.ReiHwPosFilt2SV_HwDeg_str.Sv_Uis_f32 | 0.00091599999 |
| ehDyn_AutoChtrLoSpd_M_str.Filter1Enable Cnt_lgc | 1 |
| enDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_igc ehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_igc | |
| , = - = = = = = = = = = = = = = = = = = | 0 0 |
| ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | |
| ehDyn_ForceCenterEnabled_Cnt_M_lgc | 0 |
| ehDyn_ForceCenterOffset_HwDeg_M_f32 | 1197.33997 |
| ehDyn_HiSpdLearnt_Cnt_M_lgc | 1 |



| | | • | -4-10-10 |
|--------------------------------------------------------------------------------------|------------------------------------------|-----------------------|----------|
| Name | Input Value | | |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | | |
| VehDyn_MaxOffset_HwDeg_M_f32 | -2840 | | |
| VehDyn_MinOffset_HwDeg_M_f32 | -544.469971 | | |
| VehDyn_PinTrqSV_M_str.SV_UIs_f32 | -1.60000002 | | |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000460999989 | | |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.127000004 | | |
| VehDyn_SLPHwPos_HwDeg_M_f32 | 339.730011 | | |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 309385728 | | |
| k_HiSpdVDAuthority_UIs_f32 | 0 | | |
| k_HwTqMgnThd_HwNm_f32 | 0.00120000006 | | |
| k_LoSpdVDAuthority_UIs_f32 | 1000 | | |
| k_SrlHwAgVldTiThd_mS_u32 k_SysKinRatio_MtrDegpHwDeg_f32 | 96.5 | | |
| k_TravelXCDeadband_Uls_f32 | 40.5699997 | | |
| k_TraveIXCHwAuthority_Uls_f32 | 0.245700002 | | |
| target DtrmnElapsedTime mS u32 ElapsedTime | 2728878080 | | |
| target_GetSystemTime_mS_u32_CurrentTime | 2430672128 | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi | | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime | | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32 | target VehDyn Per1 CcwEOT HwDeg f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f32 | 2 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRad | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f3 | 2 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_L | Jls_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_Hv | vDeg_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_MtrN | lm_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc | target_VehDyn_Per1_VehicleSpeedValid_Ci | nt_lgc | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph_f3 | 2 | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -438.630005 | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 959.854004 | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | -4.07999992 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | 88.099985 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | -1397.33997 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 0 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | 339.730011 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | -1.89999998 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc.value | 52.8800011 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | | Expected Value | Populé |
| Name Vehicus Allend I:Cod Auto Cots Cot M. Ico | Actual Value | 0 | Result |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 2430672128 | 2430672128 | |
| VehDyn AutoCntrDetSpd M str.Timer1_mS_us2 VehDyn AutoCntrDetSpd M str.Timer2 mS us2 | 2760420809 | 2760420809 | |
| VehDyn AutoCntrDetSpd_M_str.RelHwPosFilt1SV HwDeg str.SV Uls f32 | -1397.33997 | -1397.33997 ± 0.009 | |
| VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32 | -1397.33997 | -1397.33997 ± 0.009 | |
| VehDyn AutoCntrDetSpd M str.Filter1Enable Cnt lgc | 0 | 0 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | - |
| VehDyn AutoCntrHiSpd M str.Timer1 mS u32 | 2553156835 | 2553156835 | • |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 2760420809 | 2760420809 | - |
| VehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32 | -1397.33997 | -1397.33997 ± 0.009 | • |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1397.33997 | -1397.33997 ± 0.009 | - |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 2553156835 | 2553156835 | • |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 2760420809 | 2760420809 | - |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1397.33997 | -1397.33997 ± 0.009 | • |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1397.33997 | -1397.33997 ± 0.009 | - |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | → |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | • |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 | 1 | ✓ |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_MaxOffset_HwDeg_M_f32 | -2840 | -2840 | ~ |
| VehDyn_MinOffset_HwDeg_M_f32 | 958.709961 | 958.710022 | ~ |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | -1.60115242 | -1.6011523 ± 0.000009 | ✓ |



| Name | Actual Value | Expected Value | Result |
|------------------------------------------------------|--------------|---------------------|----------|
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 309385728 | 309385728 | ~ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 0.127000004 | 0.127000004 ± 0.004 | ~ |
| target VehDyn Per1 SensorlessHwPos HwDeg f32.value | -1057.60999 | -1057.60999 ± 0.1 | ✓ |

| T | | | | ✓ |
|----------------------------------------------------|-------|----------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |

| Imput Valid | 233 (Repeat Count = 1) | Innut Value |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|----------------|
| SelsystemTime | | • |
| title_Call_AV_vehDyn_SystemTime_DimmcElapsedTime_ns_3_s22(ElapsedTime) large_RE_Call_AV_vehDyn large_RE_Call_AV_vehDyn title_Inst.An_VehDyn_SystemTime_GetSystemTime_ns_1si2(CurrentTime) large_RE_Call_AV_vehDyn large_RE_Call_AV_vehDyn title_Inst.An_VehDyn_Avlochticotis_Cott_Cott_M_log 1 large_RE_Call_AV_vehDyn large_RE_Call_AV_vehDyn reitOyn_AvlochticObeSpo_M_str_WeriSpd_yeb_1st_1st_2 235.000006 6000006 6000006 reitOyn_AvlochticObeSpo_M_str_WeriSpd_yeb_1st_1st_2 285.000006 6000006 60000006 reitOyn_AvlochticObeSpo_M_str_WeriSpd_yeb_1st_1st_2 2000000000000000000000000000000000000 | | |
| Isia Call Ap Verblyn SystemTime GetSystemTime ms ju32 CurrentTime target. Ret Call Ap Verblyn SystemTime GetSystemTime ms ju32 CurrentTime target. The Innit Ap Verblyn ms in the Call Ap Verblyn ms i | | |
| Ize Jack A, Verbiyn target. Re Inst. Ap. Verbiyn erbityn, Audochribessed, M.; ser MinVer, Mintados, 132 53.3099079 erbiyn, Audochribessed, M.; ser MinVer, Mintados, 132 53.0099079 erbiyn, Audochribessed, M.; ser Firbring, Hawkin, 132 20.0099099 erbiyn, Audochribessed, M.; ser Firbring, Hawkin, 132 80.099998 erbiyn, Audochribessed, M.; ser Timer Threat, in S. u16 31.988 erbiyn, Audochribessed, M.; ser Timer Threat, in S. u16 31.988 erbiyn, Audochribessed, M.; ser Timer Threat, in S. u12 27.00420000 erbiyn, Audochribessed, M.; ser Timer, 18, u32 2867684774 erbiyn, Audochribessed, M.; ser Reinhopesiatisty, Wholeg, str. SV, Uls, 102 19.313.79993 erbiyn, Audochribessed, M.; ser Reinhopesiatisty, Wholeg, str. K, Uls, 102 0.000918000005 erbiyn, Audochribessed, M.; ser Reinhopesiatisty, Wholeg, str. K, Uls, 102 0.000918000005 erbiyn, Audochribessed, M.; ser Reinhopesiatisty, Wholeg, str. K, Uls, 102 0.000918000005 erbiyn, Audochribessed, M.; ser Reinhopesiatisty, Wholeg, str. K, Uls, 102 0.000918000005 erbiyn, Audochribessed, M.; ser Reinhopesiatisty, Habbe, str. SV, Uls, 102 0.000918000005 erbiyn, Audochribessed, M.; ser Reinhopesiatisty, Livobe, str. SV, Uls, 102 0.000918000005 < | | |
| ehbyn, Autocontrolskyd, M. str. Mivel, Miritards, 192 ehbyn, Autocontrolskyd, M. str. Mivel, Miritards, 193 ehbyn, Autocontrolskyd, M. str. Mivel, Miritards, 193 ehbyn, Autocontrolskyd, M. str. Mivel, Trimer1, Thresh, m. 5, u16 ehbyn, Autocontrolskyd, M. str. Mivel, Trimer1, m. 5, u18 ehbyn, Autocontrolskyd, M. str. Mivel, | | |
| ehDyn_AutoCntrDesSpd_M_str Nethon _ | | |
| enbyn_Autocntbelspd_M_str_Bint_Tex_Hwin_122 | | |
| ehbyn_AutoCnitGelSod_M_str_Chirolinov_HwDog_152 ehbyn_AutoCnitGelSod_M_str_Chirolinov_HwDog_152 ehbyn_AutoCnitGelSod_M_str_Timer2Thresh_mS_u16 abbyn_AutoCnitGelSod_M_str_Timer2Thresh_mS_u16 abbyn_AutoCnitGelSod_M_str_Timer2Thresh_mS_u16 abbyn_AutoCnitGelSod_M_str_Timer2_mS_u32 ehbyn_AutoCnitGelSod_M_str_Timer2_mS_u32 abbyn_AutoCnitGelSod_M_str_Timer2_mS_u32 abbyn_AutoCnitGelSod_M_str_Timer2_mS_u32 ebbyn_AutoCnitGelSod_M_str_Timer4_mS_u32 abbyn_AutoCnitGelSod_M_str_Timer4_mS_u32 abbyn | | |
| ehDyn_AutoCntrDelSpd_M_str.TimertThresh_mS_u16 ehDyn_AutoCntrDelSpd_M_str.Timert_ms_u15_u16 33198 ehDyn_AutoCntrDelSpd_M_str.Timert_mS_u32 ehDyn_AutoCntrDelSpd_M_str.Timert_mS_u32 ehDyn_AutoCntrDelSpd_M_str.Timert_mS_u32 ehDyn_AutoCntrDelSpd_M_str.Timert_mS_u32 ehDyn_AutoCntrDelSpd_M_str.Timert_mS_u32 ehDyn_AutoCntrDelSpd_M_str.Timert_mS_u32 ehDyn_AutoCntrDelSpd_M_str.RelHwPosifitISV_HwDeg_str.K_Uis_12 ehDyn_AutoCntrDelSpd_M_str.RelHwPosifitISV_HwDeg_str.K_Uis_132 ehDyn_AutoCntrDelSpd_M_str.RelHwPosifitIS | | |
| enDyn_AutoCnitDelSpd_M_str.Timer1Threstn_MS_u16 enDyn_AutoCnitDelSpd_M_str.Timer2_mS_u32 enDyn_AutoCnitDelSpd_M_str.Timer2_mS_u32 enDyn_AutoCnitDelSpd_M_str.Timer2_mS_u32 enDyn_AutoCnitDelSpd_M_str.Timer2_mS_u32 enDyn_AutoCnitDelSpd_M_str.Timer2_mS_u32 enDyn_AutoCnitDelSpd_M_str.Timer2_mS_u32 enDyn_AutoCnitDelSpd_M_str.Timer2_mS_u32 enDyn_AutoCnitDelSpd_M_str.Timer4_mS_u514 enDyn_AutoCnitDelSpd_M_str.Timer4_mS_u518 enDyn_AutoCnitDelSpd_M_str.Timer4_mS_u518 enDyn_AutoCnitDelSpd_M_str.Timer4_mS_u518 enDyn_AutoCnitDelSpd_M_str.Timer1_mS_u518 enDyn_AutoCnitDelSpd_M_str.Timer2_ms_u52 enDyn_AutoCnitDelSpd_M_str.Timer1_ms_u52 enDyn_AutoCnitDe | | |
| eitloyn_AutoCnitrDelSpd_M str.Timer1_mS_us2 eitloyn_AutoCnitrDelSpd_M str.Timer1_mS_us2 286784784 eitloyn_AutoCnitrDelSpd_M str.Timer2_mS_us3 286784784 eitloyn_AutoCnitrDelSpd_M str.Timer2_mS_us3 286784784 eitloyn_AutoCnitrDelSpd_M str.Pithred2_mS_us3 286784784 eitloyn_AutoCnitrDelSpd_M str.Pithred1_mS_us3 28678484784 eitloyn_AutoCnitrDelSpd_M str.Pithred2_mS_us3 28678484784 eitloyn_AutoCnitrDelSpd_M str.Pithred2_mS_us3 2867848784 eitloyn_AutoCnitrDelSpd_M str.Pithred2_mS_us3 28678484784 eitloyn_AutoCnitrDelSpd_M str.Pithred2_mS_us3 28678484784 eitloyn_AutoCnitrDelSpd_M str.Pithred2_mS_us3 28678484784 eitloyn_AutoCnitrDelSpd_M str.Pithred2_mS_us3 28678484784 eitloyn_AutoCnitrDelSpd_M str.Pithred2_mS_us3 2867848784 eitloyn_AutoCnitrDelSpd_M str.Pithred2_mS_us3 2867848784 eitloyn_AutoCnitrDelSpd_M str.Pithred2_mS_us3 2867848784 eitloyn_AutoCnitrDelSpd_M str.Pithred2_mS_us3 2867848784 eitloyn_AutoCnitrDelSpd_M str.Pithred2_mS_us3 28678684784 eitloyn_AutoC | | |
| ehDyn_AutoCntrDetSpd_M_str.Timer1_ms_u32 ehDyn_AutoCntrDetSpd_M_str.Timer2_ms_u32 ehDyn_AutoCntrDetSpd_M_str.ReiHwFosFiltSV_HwDeg_str.X_Uls_f32 ehDyn_AutoCntrDetSpd_M_str.ReiHwFosFiltSV_ | | |
| enbyn_AutoCnitrOetSpd_M_str.RelHwPosFittSV_HwDeg_str.SV_Uls_f32 enbyn_AutoCnitrOetSpd_M_str.RelHwPosFittSV_HwDeg_str.SV_Uls_f32 enbyn_AutoCnitrOetSpd_M_str.RelHwPosFittSV_HwDeg_str.SV_Uls_f32 enbyn_AutoCnitrOetSpd_M_str.RelHwPosFittSV_HwDeg_str.SV_Uls_f32 enbyn_AutoCnitrOetSpd_M_str.RelHwPosFittSV_HwDeg_str.SV_Uls_f32 enbyn_AutoCnitrOetSpd_M_str.FiterEnable_Cnt_lgc enbyn_AutoCnitrOetSpd_M_str.FiterEnable_Cnt_lgc enbyn_AutoCnitrOetSpd_M_str.FiterEnable_Cnt_lgc enbyn_AutoCnitrOetSpd_M_str.FiterEnable_Cnt_lgc enbyn_AutoCnitrOetSpd_M_str.FiterEnable_Cnt_lgc enbyn_AutoCnitrOetSpd_M_str.FiterEnable_Cnt_lgc enbyn_AutoCnitrOetSpd_M_str.FiterEnable_Cnt_lgc enbyn_AutoCnitrOetSpd_M_str.FiterEnable_Cnt_lgc enbyn_AutoCnitrOetSpd_M_str.FiterInableZed_Cnt_lgc enbyn_AutoCnitrOetSpd_M_str.FiterInableZed_Cnt_lgc enbyn_AutoCnitrOetSpd_M_str.FiterInableZed_Cnt_lgc enbyn_AutoCnitrOetSpd_M_str.FiterInableZed_Cnt_lgc enbyn_AutoCnitrOetSpd_M_str.FiterInableZed_Cnt_lgc enbyn_AutoCnitrOetSpd_M_str.FiterInableZed_Cnt_lgc enbyn_AutoCnitrOetSpd_M_str.FiterInableZed_Cnt_lgc enbyn_AutoCnitrOetSpd_M_str.TimerThreah_mS_u16 enbyn_AutoCnitrOetSpd_M_str.TimerThreah_mS_u16 enbyn_AutoCnitrOetSpd_M_str.TimerThreah_mS_u16 enbyn_AutoCnitrOetSpd_M_str.TimerThreah_mS_u16 enbyn_AutoCnitrOetSpd_M_str.TimerThreah_mS_u16 enbyn_AutoCnitrOetSpd_M_str.TimerT_mS_u32 2760428899 enbyn_AutoCnitrOetSpd_M_str.RelHwPosFittSV_HwDeg_str.SV_Uls_f32 enbyn_AutoCnitrOetSpd_M_str.RelHwPosFittSV_HwDeg_str.SV_U | | |
| enbyn_AutoCnitrDelSpd_M_str.RelHwPosFittSV_HwDeg_str.K_UIs_f32 enblyn_AutoCnitrDelSpd_M_str.RelHwPosFittSV_HwDeg_str.K_UIs_f32 enblyn_AutoCnitrDelSpd_M_str.TimezThresh_mS_u16 enblyn_AutoCnitrDelSpd_M_str.TimezThresh_mS_u16 enblyn_AutoCnitrDelSpd_M_str.TimezThresh_mS_u16 enblyn_AutoCnitrDelSpd_M_str.TimezThresh_mS_u18 enblyn_AutoCnitrDelSpd_M_str.TimezThresh_mS_u18 enblyn_AutoCnitrDelSpd_M_str.TimezThresh_mS_u18 enblyn_AutoCnitrDelSpd_M_str.TimezThresh_mS_u18 enblyn_AutoCnitrDelSpd_M_str.TimezThresh_mS_u18 enblyn_AutoCnitrDelSpd_M_str.TimezThresh_mS_u18 enblyn_AutoCnitrDelSpd_M_str.RelHwPosFittSV_HwDeg_str.K_UIs_f32 enblyn_AutoCnit | | |
| anbyn_AutoCntrDetSpd_M_str.RelHwPosFitISV_HWDeg_str.KV_Uis_f32 0.0009180000005 anbyn_AutoCntrDetSpd_M_str.RelHwPosFitISV_HWDeg_str.KV_Uis_f32 0.0009180000005 anbyn_AutoCntrDetSpd_M_str.RelHwPosFitISV_HWDeg_str.K_Uis_f32 0.0009180000005 anbyn_AutoCntrDetSpd_M_str.RelHwPosFitISV_HWDeg_str.K_Uis_f32 1 anbyn_AutoCntrDetSpd_M_str.RelHwPosFitISV_HWDeg_str.K_Uis_f32 1 anbyn_AutoCntrBispd_M_str.RelHwPosFitISV_HWDeg_str.K_Uis_f32 124.5 anbyn_AutoCntrBispd_M_str.Petrol_Initialized_Cnt_lgc 0 anbyn_AutoCntrBispd_M_str.Petrol_Initialized_Cnt_lgc 0 anbyn_AutoCntrBispd_M_str.Petrol_Initialized_Cnt_lgc 0 anbyn_AutoCntrBispd_M_str.Petrol_Initialized_Cnt_lgc 1 anbyn_AutoCntrBispd_M_str.Petrol_Initialized_Cnt_lgc 96.5 anbyn_AutoCntrBispd_M_str.CntrWindow_HwDeg_f32 96.5 anbyn_AutoCntrBispd_M_str.Timer1_ms_us2 33888 anbyn_AutoCntrBispd_M_str.Timer2_ms_us2 296788474 anbyn_AutoCntrBispd_M_str.Timer1_ms_us2 296788474 anbyn_AutoCntrBispd_M_str.RelHwPosFitISV_HwDeg_str.SV_Uis_f32 913.679993 anbyn_AutoCntrBispd_M_str.RelHwPosFitISV_HwDeg_str.SV_Uis_f32 913.679993 anbyn_AutoCntrBispd_M_str.RelHwPosFitISV_HwDeg_str.SV_Uis_f32 | | 2967684784 |
| enDyn_AutoCntrDetSpd_M_str.ReihwPosFitt2SV_HwDeg_str.K_Uls_f32 | | -913.679993 |
| enDyn_AutoCntrDetSpd_M_str_ReiHwPosFilt2SV_HwDeg_str.K_Uls_f32 | DetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000918000005 |
| ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | | |
| ehDyn_AutoCntrDelSpd_M_str.Filter2Enable_Cnt_lgc 1 ehDyn_AutoCntrDelSpd_M_str.Filter2Initalized_Cnt_lgc 0 ehDyn_AutoCntrDelSpd_M_str.Filter2Initalized_Cnt_lgc 0 ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 124.5 ehDyn_AutoCntrHiSpd_M_str.WtrSpd_kpt_f32 216.539993 ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 519999981 ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 95.5 ehDyn_AutoCntrHiSpd_M_str.Timer1_ms_m_S_u16 38868 ehDyn_AutoCntrHiSpd_M_str.Timer1_ms_u32 2760420809 ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 2760420809 ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 2967684784 ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 913.679993 ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 090077999996 ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 0000427999999 ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc 0 ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 0 ehDyn_AutoCntrLiSpd_M_str.Filter2Initalized_Cnt_lgc 0 ehDyn_AutoCntrLiSpd_M_str.Filter2Initalized_Cnt_lgc | DetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000918000005 |
| ehDyn_AutoCntrDelSpd_M_str.Filter1Initialized_Cnt_lgc | | |
| ## Part | DetSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| ehDyn_AutoCntrHiSpd_M_str.Witve_MtrRadpS_f32 124.5 ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 216.539993 ehDyn_AutoCntrHiSpd_M_str.PitiPinTq_Hwhm_f32 5.199999911 ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 38868 ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 38868 ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 2760420809 ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 2967684784 ehDyn_AutoCntrHiSpd_M_str.RelHwPosFiti1SV_HwDeg_str.SV_UIs_f32 -913.679993 ehDyn_AutoCntrHiSpd_M_str.RelHwPosFiti1SV_HwDeg_str.SV_UIS_f32 -913.679993 ehDyn_AutoCntrHiSpd_M_str.RelHwPosFiti2SV_HwDeg_str.SV_UIS_f32 -913.679993 ehDyn_AutoCntrHiSpd_M_str.RelHwPosFiti2SV_HwDeg_str.SV_UIS_f32 0.000427999999 ehDyn_AutoCntrHiSpd_M_str.Relter_Cnt_lgc 0 ehDyn_AutoCntrHiSpd_M_str.Relter_Cnt_lgc 0 ehDyn_AutoCntrHiSpd_M_str.Ritter_Initialized_Cnt_lgc 0 ehDyn_AutoCntrHiSpd_M_str.Ritter_Initialized_Cnt_lgc 0 ehDyn_AutoCntrLoSpd_M_str.Ritter_Initialized_Cnt_lgc 1 ehDyn_AutoCntrLoSpd_M_str.Ritter_Initialized_Cnt_lgc 1 ehDyn_AutoCntrLoSpd_M_str.Ritter_Initialized_Cnt_lgc 16.3999996 ehDyn_AutoCntrLoSpd_M_str.Ritt | DetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| ehDyn_AutoCntrHiSpd_M_str.VenSpd_kph_f32 216.539993 ehDyn_AutoCntrHiSpd_M_str.PittPinTrq_HwNm_f32 5.19999981 ehDyn_AutoCntrHiSpd_M_str.TimerTTrnesh_mS_u16 38868 ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 38868 ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 2760420809 ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 2760420809 ehDyn_AutoCntrHiSpd_M_str.RelHwPosFiltSV_HwDeg_str.SV_UIs_f32 913.67993 ehDyn_AutoCntrHiSpd_M_str.RelHwPosFiltSV_HwDeg_str.SV_UIs_f32 913.679993 ehDyn_AutoCntrHiSpd_M_str.RelHwPosFiltSV_HwDeg_str.SV_UIs_f32 913.679993 ehDyn_AutoCntrHiSpd_M_str.RelHwPosFiltSV_HwDeg_str.K_UIs_f32 0.000427999999 ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_Igc 0 ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_Igc 0 ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_Igc 0 ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_Igc 1 ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_Igc 1 ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_S12 124.400002 ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_Igc 1 ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_Igc 39056 ehDyn_AutoCntrLoSpd_M_str.Filte | DetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| ehDyn_AutoCntrHiSpd_M_str.FiltPrinTrq_HwNm_f32 5.19999981 ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 96.5 ehDyn_AutoCntrHiSpd_M_str.Timer1Presh_mS_u16 38868 ehDyn_AutoCntrHiSpd_M_str.Timer1Presh_mS_u12 2760420809 ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 2967684784 ehDyn_AutoCntrHiSpd_M_str.RelHwPosFittSV_HwDeg_str.SV_UIs_f32 913.679993 ehDyn_AutoCntrHiSpd_M_str.RelHwPosFittSV_HwDeg_str.K_UIs_f32 0.000717999996 ehDyn_AutoCntrHiSpd_M_str.RelHwPosFittSV_HwDeg_str.K_UIs_f32 0.000427999999 ehDyn_AutoCntrHiSpd_M_str.RelHwPosFittSV_HwDeg_str.K_UIs_f32 0.000427999999 ehDyn_AutoCntrHiSpd_M_str.Filter1eEnable_Cnt_Igc 0 ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_Igc 0 ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_Igc 1 ehDyn_AutoCntrLoSpd_M_str.MitrVel_MtrRadpS_f32 124.400002 ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_Igc 1 ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_Igc 1 ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 3999996 ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 39056 ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 39056 ehDyn_AutoCntrLoSp | HiSpd_M_str.MtrVel_MtrRadpS_f32 | 124.5 |
| ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 38868 ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 38868 ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 57944 ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 2760420809 ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 2967684784 ehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit1SV_HwDeg_str.K_UIs_f32 -913.679993 ehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit2SV_HwDeg_str.K_UIs_f32 0.000717999996 ehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit2SV_HwDeg_str.K_UIs_f32 -913.679993 ehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit2SV_HwDeg_str.K_UIs_f32 0.000747999999 ehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit2SV_HwDeg_str.K_UIs_f32 0.000427999999 ehDyn_AutoCntrHiSpd_M_str.Fiiter1Enable_Cnt_Igc 0 ehDyn_AutoCntrHiSpd_M_str.Fiiter2Enable_Cnt_Igc 0 ehDyn_AutoCntrLoSpd_M_str.WireImfallized_Cnt_Igc 1 ehDyn_AutoCntrLoSpd_M_str.WireImfallized_Cnt_Igc 1 ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 16.3999996 ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 7034 ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u216 7044 ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u32 2760420809 ehDyn_AutoCnt | HiSpd_M_str.VehSpd_kph_f32 | 216.539993 |
| ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 ehDyn_AutoCntrHiSpd_M_str.Filter2Inable_Cnt_lgc ehDyn_AutoCntrHiSpd_M_str.Filter2Inable_Cnt_lgc ehDyn_AutoCntrHiSpd_M_str.Filter2Inable_Cnt_lgc ehDyn_AutoCntrHiSpd_M_str.Filter2Inable_Cnt_lgc ehDyn_AutoCntrHiSpd_M_str.Filter2Inable_Cnt_lgc ehDyn_AutoCntrHiSpd_M_str.Filter2Inable_Cnt_lgc ehDyn_AutoCntrLoSpd_M_str.Filter2Inable_Cnt_lgc ehDyn_AutoCntrLoSpd_M_str.Filter2Inable_Cnt_lgc ehDyn_AutoCntrLoSpd_M_str.Filter2Inable_Cnt_lgc ehDyn_AutoCntrLoSpd_M_str.Filter2Inable_Cnt_lgc ehDyn_AutoCntrLoSpd_M_str.Filter2Inable_Cnt_lgc ehDyn_AutoCntrLoSpd_M_str.Filter3Inable_Cnt_lgc ehDyn_AutoCntrLoSpd_M_str.Filter3 | HiSpd_M_str.FiltPinTrq_HwNm_f32 | 5.19999981 |
| ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 57944 ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 2760420809 ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 2967684784 ehDyn_AutoCntrHiSpd_M_str.RelHwPosFittSV_HwDeg_str.SV_UIs_f32 913.679993 ehDyn_AutoCntrHiSpd_M_str.RelHwPosFittSV_HwDeg_str.K_UIs_f32 0.000717999996 ehDyn_AutoCntrHiSpd_M_str.RelHwPosFitt2SV_HwDeg_str.K_UIs_f32 0.00042799999 ehDyn_AutoCntrHiSpd_M_str.RelHwPosFitt2SV_HwDeg_str.K_UIs_f32 0.000427999999 ehDyn_AutoCntrHiSpd_M_str.Fitter1Enable_Cnt_lgc 0 ehDyn_AutoCntrHiSpd_M_str.Fitter1Enable_Cnt_lgc 0 ehDyn_AutoCntrHiSpd_M_str.Fitter1Initialized_Cnt_lgc 0 ehDyn_AutoCntrLoSpd_M_str.Fitter2Initialized_Cnt_lgc 1 ehDyn_AutoCntrLoSpd_M_str.FittPinTrq_HwIm_f32 16.3999996 ehDyn_AutoCntrLoSpd_M_str.FittPinTrq_HwNm_f32 16.3999996 ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 7034 ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 7034 ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 2760420809 ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 2967684784 ehDyn_AutoCntrLoSpd_M_str.RelHwPosFittSV_HwDeg_str.SV_UIs_f32 -913.679993 ehDyn_AutoC | HiSpd_M_str.CntrWindow_HwDeg_f32 | 96.5 |
| ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | HiSpd_M_str.Timer1Thresh_mS_u16 | 38868 |
| ehDyn_AutoCntrHiSpd_M_str.RilHmPosFilt1SV_HwDeg_str.SV_Uis_f32 913.679993 ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uis_f32 913.679993 ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uis_f32 0.000717999996 ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uis_f32 913.679993 ehDyn_AutoCntrHiSpd_M_str.RilHwPosFilt2SV_HwDeg_str.K_Uis_f32 0.000427999999 ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 0 ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 ehDyn_AutoCntrLoSpd_M_str.Wel_MtrRadpS_f32 124.400002 ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNn_f32 46.5 ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 7034 ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 7034 ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 39056 ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 2967684784 ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uis_f32 -913.679993 ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uis_f32 -913.679993 ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uis_f32 -913.679993 ehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc <td>HiSpd_M_str.Timer2Thresh_mS_u16</td> <td>57944</td> | HiSpd_M_str.Timer2Thresh_mS_u16 | 57944 |
| enDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | HiSpd_M_str.Timer1_mS_u32 | 2760420809 |
| VehDyn_AutoCntrHiSpd_M_str.ReiHwPosFiitISV_HwDeg_str.SV_UIs_f32 0.000717999996 VehDyn_AutoCntrHiSpd_M_str.ReiHwPosFiitISSV_HwDeg_str.SV_UIs_f32 -913.679993 VehDyn_AutoCntrHiSpd_M_str.ReiHwPosFiitISSV_HwDeg_str.K_UIs_f32 0.000427999999 VehDyn_AutoCntrHiSpd_M_str.Fiitler1Enable_Cnt_lgc 0 VehDyn_AutoCntrHiSpd_M_str.Fiitler2Initialized_Cnt_lgc 0 VehDyn_AutoCntrHiSpd_M_str.Fiitler2Initialized_Cnt_lgc 1 VehDyn_AutoCntrLoSpd_M_str.Wel_MtrRadps_f32 124.400002 VehDyn_AutoCntrLoSpd_M_str.Wel_MtrRadps_f32 246.5 VehDyn_AutoCntrLoSpd_M_str.Welm_f32 16.3999996 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 7034 VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 7034 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 39056 VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 39056 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 2760422080 VehDyn_AutoCntrLoSpd_M_str.ReiHwPosFiit1SV_HwDeg_str.SV_UIs_f32 -913.679993 VehDyn_AutoCntrLoSpd_M_str.ReiHwPosFiit1SV_HwDeg_str.SV_UIs_f32 -913.679993 VehDyn_AutoCntrLoSpd_M_str.ReiHwPosFiit2SV_HwDeg_str.SV_UIs_f32 -913.679993 VehDyn_AutoCntrLoSpd_M_str.Fiiter1Enable_Cnt_lgc 0 </td <td>HiSpd_M_str.Timer2_mS_u32</td> <td>2967684784</td> | HiSpd_M_str.Timer2_mS_u32 | 2967684784 |
| - 913.679993 - 913.679993 - 913.679993 - 913.679993 - 913.679999 - 913.679999 - 913.679999 - 913.679999 - 913.679999 - 913.6799999 - 913.6799999 - 913.6799999 - 913.6799999 - 913.6799999 - 913.67999999 - 913.679999999 - 913.679999999 - 913.679999999 - 913.6799999999 - 913.67999999999999999999999999999999999999 | HiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -913.679993 |
| ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | HiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000717999996 |
| CehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | HiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -913.679993 |
| ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 0 ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 0 ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 124.400002 ehDyn_AutoCntrLoSpd_M_str.WtrVel_MtrRadpS_f32 124.400002 ehDyn_AutoCntrLoSpd_M_str.WtrNel_MtrRadpS_f32 124.400002 ehDyn_AutoCntrLoSpd_M_str.Filter1Trng_HwNm_f32 16.3999996 ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 52.4000015 ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 39056 ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 39056 ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 2760420809 ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 2967684784 ehDyn_AutoCntrLoSpd_M_str.RelHwPosFit1SV_HwDeg_str.SV_UIs_f32 913.679993 ehDyn_AutoCntrLoSpd_M_str.RelHwPosFit1SV_HwDeg_str.SV_UIs_f32 7.1399998e-005 ehDyn_AutoCntrLoSpd_M_str.RelHwPosFit1SV_HwDeg_str.SV_UIs_f32 9913.679993 ehDyn_AutoCntrLoSpd_M_str.RelHwPosFit1SV_HwDeg_str.SV_UIs_f32 0.000918000005 ehDyn_AutoCntrLoSpd_M_str.RelHwPosFit1SV_HwDeg_str.K_UIs_f32 0.000918000005 ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 1 ehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 1 ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0 | | 0.000427999999 |
| ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc 0 ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 ehDyn_AutoCntrLoSpd_M_str.WtrVel_MtrRadpS_f32 124.400002 ehDyn_AutoCntrLoSpd_M_str.WtrVel_MtrRadpS_f32 124.400002 ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 246.5 ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 16.3999996 ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 52.4000015 ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 7034 ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 39056 ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 2760420809 ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 2967684784 ehDyn_AutoCntrLoSpd_M_str.RelHwPosFit1SV_HwDeg_str.SV_Uls_f32 913.679993 ehDyn_AutoCntrLoSpd_M_str.RelHwPosFit1SV_HwDeg_str.SV_Uls_f32 7.1399998e-005 ehDyn_AutoCntrLoSpd_M_str.RelHwPosFit1SV_HwDeg_str.SV_Uls_f32 913.679993 ehDyn_AutoCntrLoSpd_M_str.RelHwPosFit1SV_HwDeg_str.SV_Uls_f32 0.000918000005 ehDyn_AutoCntrLoSpd_M_str.RelHwPosFit1SV_HwDeg_str.SV_Uls_f32 0.000918000005 ehDyn_AutoCntrLoSpd_M_str.RelHwPosFit1SV_HwDeg_str.SV_Uls_f32 0.000918000005 ehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 1 ehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 1 ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 | HiSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc 1 ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 124.400002 ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 246.5 ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 16.3999996 ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 52.4000015 ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 7034 ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 39056 ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u20 2760420809 ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 2967684784 ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 7.1399998e-005 ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 9913.679993 ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 0.000918000005 ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 0 ehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 1 ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0 | | 0 |
| ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc 1 ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 124.400002 ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 246.5 ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 16.3999996 ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 52.4000015 ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 39056 ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 39056 ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u20 2760420809 ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 2967684784 ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 913.679993 ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 913.679993 ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 913.679993 ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 913.679993 ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 0.000918000005 ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 0 ehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 1 ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0 | | |
| tehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 tehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 tehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 tehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 tehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 tehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 tehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 tehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 tehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 tehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 tehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 tehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 tehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 tehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 tehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 tehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc tehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc tehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc tehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc tehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc tehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc tehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc tehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc tehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | | 1 |
| ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 246.5 ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 16.399996 ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 52.4000015 ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 7034 ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 39056 ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u32 2760420809 ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 2967684784 ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 913.679993 ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 7.1399998e-005 ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 9913.679993 ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 0.000918000005 ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 0 ehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 1 ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0 | | |
| ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 16.399996 ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 52.4000015 ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 7034 ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 39056 ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 2760420809 ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 2967684784 ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 913.679993 ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_UIs_f32 7.1399998e-005 ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 913.679993 ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 913.679993 ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 0.000918000005 ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 0 ehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 1 ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0 | | |
| ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 52.4000015 ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 7034 ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 39056 ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 2760420809 ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 2967684784 ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 913.679993 ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 7.1399998e-005 ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 9913.679993 ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 0.000918000005 ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 0 ehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 1 ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 1 ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0 | · · - · - | |
| ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc ehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0 | | |
| ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_UIs_f32 ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc ehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0 | | |
| ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc ehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0 | | |
| ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 2967684784 ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 7.1399998e-005 ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 0.000918000005 ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 0 ehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 1 ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc 0 ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0 ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0 | | |
| ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 -913.679993 ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_UIs_f32 7.1399998e-005 ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 -913.679993 ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 0.000918000005 ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc 0 ehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc 1 ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc 1 ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0 | | |
| ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc ehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0 | | |
| ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc ehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0 | | |
| ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_UIs_f32 0.000918000005 ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc ehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0 | | |
| ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_Igc | | |
| ehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 324 24 2 | |
| ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | | |
| ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc 0 | | |
| , = , = = = = = = = = = = = = = = = = = | | |
| | 1 = = = = = = = = = = = = = = = = = = = | |
| 'ehDyn_ForceCenterEnabled_Cnt_M_lgc 1 'ehDyn ForceCenterOffset HwDeg M f32 1297.25 | | 1 |



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| Name | Input Value | | |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 | | |
| VehDyn_Initialize_Cnt_M_lgc | 1 | | |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 | | |
| VehDyn_MaxOffset_HwDeg_M_f32 | 1440.10999 | | |
| VehDyn_MinOffset_HwDeg_M_f32 | -551.190002 | | |
| VehDyn_PinTrqSV_M_str.SV_UIs_f32 | -14.8000002 | | |
| VehDyn_PinTrqSV_M_str.K_UIs_f32 | 0.000461999996 | | |
| VehDyn_SLPHwAuth_Uls_M_f32 VehDyn SLPHwPos HwDeg M f32 | 0.136000007 349.98999 | | |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 2659241984 | | |
| k HiSpdVDAuthority Uls f32 | 0.670000017 | | |
| k_HwTqMgnThd_HwNm_f32 | 1.10000002 | | |
| k_LoSpdVDAuthority_Uls_f32 | 0 | | |
| k_SrlHwAgVldTiThd_mS_u32 | 20045 | | |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 32.5400009 | | |
| k TravelXCDeadband Uls f32 | 42.1399994 | | |
| k_TravelXCHwAuthority_Uls_f32 | 0.246924996 | | |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 824746752 | | |
| target_GetSystemTime_mS_u32_CurrentTime | 2242866176 | | |
| $target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedT$ | 4243378688 | | |
| $target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_$ | 2659241984 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f3 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRac | pS_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f3 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_l | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_Hv | vDeg_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_MtrN | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc | target_VehDyn_Per1_VehicleSpeedValid_C | | |
| target_Rte_Inst_Ap_VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph_f3 -446.350006 | 2 | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 954.284973 | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | -4.19000006 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | -75 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | -913.679993 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 1 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | 349.98999 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | 8.19999981 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 0 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 128 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 | 1 | - |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 2760420809 | 2760420809 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 2967684784 | 2967684784 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -913.679993 | -913.679993 ± 0.0009 | • |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -913.679993 | -913.679993 ± 0.0009 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 2242866176 | 2242866176 | Y |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 2967684784 | 2967684784 | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -913.679993 | -913.679993 ± 0.0009 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -913.679993 | -913.679993 ± 0.0009 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 0 | 0 | |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | |
| · - · · | 1 | 1 | |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_Igc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 2242866176 | 2242866176 | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mls_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mls_u32 | 2967684784 | 2967684784 | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -913.679993 | -913.679993 ± 0.0009 | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -913.679993 | -913.679993 ± 0.0009 | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | - |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 | 0 | ✓ |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | - |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 | 0 | ~ |
| VehDyn_MaxOffset_HwDeg_M_f32 | 1440.10999 | 1440.10999 | ✓ |
| | | | |



| Name | Actual Value | Expected Value | Result |
|------------------------------------------------------|--------------|----------------------|----------|
| VehDyn_MinOffset_HwDeg_M_f32 | 467.329987 | 467.329987 | ✓ |
| VehDyn_PinTrqSV_M_str.SV_UIs_f32 | -14.794982 | -14.794982 ± 0.00009 | ✓ |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 2659241984 | 2659241984 | ✓ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 1 | 1 ± 0.004 | ✓ |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | -1600 | -1600 ± 0.1 | ✓ |

| T | | | | ✓ |
|----------------------------------------------------|-------|----------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | • |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | • |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | • |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | • |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |

| Test Step 2.234 (Repeat Count = 1) | |
|---------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|
| Name | Input Value |
| OtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| GetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| /ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 |
| /ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 200.399994 |
| /ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 52.4000015 |
| ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 14.3999996 |
| /ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 63.4000015 |
| ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 53970 |
| /ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 58869 |
| ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 1024 |
| ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 54822322 |
| /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -714.090027 |
| /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000961999991 |
| /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -714.090027 |
| /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000961999991 |
| /ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| /ehDyn AutoCntrDetSpd M str.Filter2Enable Cnt lgc | 0 |
| 'ehDyn AutoCntrDetSpd M str.Filter1Initialized Cnt lgc | 0 |
| /ehDyn AutoCntrDetSpd M str.Filter2Initialized Cnt Igc | 1 |
| ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 159 |
| /ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 68.3000031 |
| ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 16.7999992 |
| /ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 86 |
| /ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 12258 |
| /ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 36416 |
| /ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 1024 |
| /ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 54822322 |
| /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -714.090027 |
| 'ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000761999981 |
| rehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -714.090027 |
| /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000515999971 |
| ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| ehbyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| | 0 |
| /ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | |
| /ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 412.700012 106.699997 |
| /ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 /ehDyn AutoCntrLoSpd M str.FiltPinTrg HwNm f32 | 10.699998 |
| · | |
| /ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 12.6999998 |
| /ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 13352 |
| /ehDyn_AutoCatrLoSpd_M_str.Timer2Thresh_mS_u16 | 14442 |
| /ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 1024 |
| /ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 54822322 |
| /ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -714.090027 |
| /ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 7.58000024e-005 |
| /ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -714.090027 |
| /ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000961999991 |
| /ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| /ehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 |



| Name | Input Value | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | | |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 0 | | |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | 1297.25 | | |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 | | |
| VehDyn_Initialize_Cnt_M_lgc | 1 | | |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1172.87 | | |
| VehDyn_MaxOffset_HwDeg_M_f32 | -363.029999 | | |
| VehDyn_MinOffset_HwDeg_M_f32 VehDyn_PinTrqSV_M_str.SV_UIs_f32 | 1.5 | | |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000483999989 | | |
| VehDyn SLPHwAuth Uls M f32 | 0.275999993 | | |
| VehDyn_SLPHwPos_HwDeg_M_f32 | 62.7099991 | | |
| VehDyn SrlHwAgVldTimer mS M u32 | 622666624 | | |
| k_HiSpdVDAuthority_UIs_f32 | 0 | | |
| k_HwTqMgnThd_HwNm_f32 | 2.0999999 | | |
| k_LoSpdVDAuthority_Uls_f32 | 0.89999976 | | |
| k_SrlHwAgVldTiThd_mS_u32 | 951 | | |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 63.3199997 | | |
| k_TravelXCDeadband_Uls_f32 | 3.38000011 | | |
| k_TraveIXCHwAuthority_UIs_f32 | 0.212624997 | | |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 309385728 | | |
| target_GetSystemTime_mS_u32_CurrentTime | 2269150976 | | |
| $target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedT$ | 1050692864 | | |
| $target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime$ | 2942063360 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRad | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f3: | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_U | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_Hw | Deg_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 | f22 | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_MtrN | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc | target_VehDyn_Per1_VehicleSpeedValid_Cr target_VehDyn_Per1_VehicleSpeed_Kph_f3: | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -430.290009 | 2 | |
| target VehDyn Per1 CwEOT HwDeg f32.value | 1076.80298 | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | -1.11000001 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | -456 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | -714.090027 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 1 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | -1600 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | -4.5999999 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 0 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 230 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 1024 | 1024 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 54822322 | 54822322 | • |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -714.090027 | -714.090027 ± 0.0009 | • |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -714.090027 | -714.090027 ± 0.0009 | • |
| | | | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ~ |
| | | | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 0 0 | 0 0 0 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 0 0 | 0 0 0 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 0 0 1 2269150976 54822322 -714.090027 | 0 0 1 12269150976 54822322 -714.090027 ± 0.0009 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 0 0 1 2269150976 54822322 -714.090027 | 0 0 1 2269150976 54822322 -714.090027 ± 0.0009 -714.090027 ± 0.0009 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 0 1 2269150976 54822322 -714.090027 0 | 0 0 1 2269150976 54822322 -714.090027 ± 0.0009 -714.090027 ± 0.0009 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 0 1 2269150976 54822322 -714.090027 0 | 0 0 1 2269150976 54822322 -714.090027 ± 0.0009 -714.090027 ± 0.0009 0 | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 0 1 2269150976 54822322 -714.090027 0 1 | 0 0 1 2269150976 54822322 -714.090027 ± 0.0009 -714.090027 ± 0.0009 0 1 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 0 1 2269150976 54822322 -714.090027 0 1 | 0 0 1 2269150976 54822322 -714.090027 ± 0.0009 -714.090027 ± 0.0009 0 1 1 | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 0 1 2269150976 54822322 -714.090027 -714.090027 0 1 1 1 0 | 0 0 1 2269150976 54822322 -714.090027 ± 0.0009 -714.090027 ± 0.0009 0 1 1 0 2269150976 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 0 0 1 2269150976 54822322 -714.090027 -714.090027 0 1 1 0 2269150976 54822322 | 0 0 0 1 2269150976 54822322 -714.090027 ± 0.0009 0 1 1 0 2269150976 54822322 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 0 0 1 2269150976 54822322 -714.090027 0 1 1 0 2269150976 54822322 -714.090027 | 0 0 0 1 2269150976 54822322 -714.090027 ± 0.0009 0 1 1 0 2269150976 54822322 -714.090027 ± 0.0009 0 1 1 1 1 0 0 27 10 10 10 10 10 10 10 10 10 10 10 10 10 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 0 0 1 2269150976 54822322 -714.090027 -714.090027 0 1 1 0 2269150976 54822322 -714.090027 -714.090027 | 0 0 0 1 2269150976 54822322 -714.090027 ± 0.0009 0 1 1 1 0 2269150976 54822322 -714.090027 ± 0.0009 0 1 1 1 1 0 0 27 10 10 10 10 10 10 10 10 10 10 10 10 10 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 0 1 2269150976 54822322 -714.090027 -714.090027 0 1 1 0 2269150976 54822322 -714.090027 -714.090027 0 | 0 0 0 1 2269150976 54822322 -714.090027 ± 0.0009 0 1 1 1 0 0 2269150976 54822322 -714.090027 ± 0.0009 0 0 1 1 1 1 0 0 1 0 0 0 0 0 0 0 0 0 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 0 0 1 2269150976 54822322 -714.090027 -714.090027 0 1 1 0 2269150976 54822322 -714.090027 -714.090027 | 0 0 0 1 2269150976 54822322 -714.090027 ± 0.0009 0 1 1 1 0 2269150976 54822322 -714.090027 ± 0.0009 0 1 1 1 1 0 0 27 10 10 10 10 10 10 10 10 10 10 10 10 10 | |



| Name | Actual Value | Expected Value | Result |
|------------------------------------------------------|--------------|-----------------------|----------|
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 | 1 | ✓ |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | ✓ |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | 1 | ✓ |
| VehDyn_MaxOffset_HwDeg_M_f32 | 1172.87 | 1172.87 | ~ |
| VehDyn_MinOffset_HwDeg_M_f32 | 283.800018 | 283.799988 | ✓ |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 1.49870157 | 1.49870157 ± 0.000009 | ✓ |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 622666624 | 622666624 | ✓ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 1 | 1 ± 0.004 | ~ |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | -1600 | -1600 ± 0.1 | ✓ |

| Т | | | | ✓ |
|-------------------------------------------------------|-------|-------------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |

| | Immut Value |
|-------------------------------------------------------------------|--------------------------------------------------------------------------|
| ame | Input Value |
| trmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| etSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| te_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| te_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| te_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 0 |
| ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 554.099976 |
| ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 84.0999985 |
| ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 4.0999999 |
| ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 52.0999985 |
| ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 2291 |
| ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 7778 |
| ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 4004004656 |
| ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 4211268631 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 110.5 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000958000019 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 110.5 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000958000019 |
| ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 456 |
| ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 35.7999992 |
| ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 14.3999996 |
| ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 75.4499969 |
| ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 33198 |
| ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 7778 |
| ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 4004004656 |
| ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 4211268631 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 110.5 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000758000009 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 110.5 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000508000026 |
| ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 456.799988 |
| ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 86.8000031 |
| ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 6.80000019 |
| ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 86.8000031 |
| ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 5235 |
| ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 27074 |
| ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 4004004656 |
| ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 4211268631 |
| ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 110.5 |
| ehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32 | 7.53999993e-005 |



| Name | Input Value | | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|------------------------------------------------|------|--|
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 110.5 | | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000958000019 | | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 | | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 | | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | | | |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 0 | | | |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | 1397.16003 | | | |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 | | | |
| VehDyn_Initialize_Cnt_M_lgc | 1 | | | |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 | | | |
| VehDyn_MaxOffset_HwDeg_M_f32 | 1177.86206 | | | |
| VehDyn_MinOffset_HwDeg_M_f32 | -369.75 | | | |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | -5.4000001 | | | |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000482000003 | | | |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.256999999 | | | |
| VehDyn_SLPHwPos_HwDeg_M_f32 | 72.9700012 | | | |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 745122048 | | | |
| k_HiSpdVDAuthority_Uls_f32 | 0 | | | |
| k_HwTqMgnThd_HwNm_f32 | 3.0999999 | | | |
| k_LoSpdVDAuthority_UIs_f32 | 1 | | | |
| k_SrlHwAgVldTiThd_mS_u32 | 4856 | | | |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 54.2999992 | | | |
| k_TravelXCDeadband_Uls_f32 | 2.3499999 | | | |
| k_TravelXCHwAuthority_Uls_f32 | 0.213850006 | | | |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 4164171008 | | | |
| target_GetSystemTime_mS_u32_CurrentTime | 3533260288 | | | |
| $target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedT$ | 3039943680 | | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime | 1117112832 | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f | 32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f3 | 2 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_ | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrR | adpS_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg | _f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority | target_VehDyn_Per1_SensorlessAuthority_Uls_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc | target_VehDyn_Per1_SrlHwAgVld_Cnt_Igc | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_M | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc | target_VehDyn_Per1_VehicleSpeedValid_ | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph | _f32 | | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -424.029999 | | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 1071.23401 | | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | -1.22000003 | | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | -835.109985 | | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | 110.5 | | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 1 | | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | -1200.09998 | | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | 1.29999995 | | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 0 | | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 499.220001 | 1_ | | |
| Name | Actual Value | Expected Value | Resu | |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 0 | 0 | • | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 4004004656 | 4004004656 | • | |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 4211268631 | 4211268631 | • | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 110.5 | 110.5 ± 0.0009 | • | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 110.5 | 110.5 ± 0.0009 | • | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | • | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | • | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | • | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | • | |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 4004004656 | 4004004656 | • | |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 4211268631 | 4211268631 | • | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 110.5 | 110.5 ± 0.0009 | | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 110.5 | 110.5 ± 0.0009 | | |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | | |
| VehDvn AutoCntrHiSpd M str Filter2Enable Cnt Igc | 14 | 1 | | |

0

4004004656

4211268631

110.5

110.5

VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32

VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc

 $VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc$

VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc

 $VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32$

 $VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32$

1

0

0

4004004656

4211268631

110.5 ± 0.0009

110.5 ± 0.0009



| Name | Actual Value | Expected Value | Result |
|-------------------------------------------------------|--------------|------------------------|--------|
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 | 1 | • |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 | 0 | • |
| VehDyn_MaxOffset_HwDeg_M_f32 | 960.734009 | 960.734009 | ~ |
| VehDyn_MinOffset_HwDeg_M_f32 | -369.75 | -369.75 | ~ |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | -5.39797401 | -5.39797354 ± 0.000009 | ~ |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 745122048 | 745122048 | ~ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 1 | 1 ± 0.004 | ~ |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | -1200.09998 | -1200.09998 ± 0.1 | ~ |

| Т | | | | ✓ |
|-------------------------------------------------------|-------|-------------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32 | 1 | ~ |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |

| lama. | Innut Value |
|---------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|
| lame | Input Value |
| OtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| GetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| /ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 |
| /ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 600.200012 |
| /ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 64.199969 |
| /ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 16.2000008 |
| /ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 41.2000008 |
| /ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 38868 |
| ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 38708 |
| /ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 4211268631 |
| /ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 2160073393 |
| /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1014.73999 |
| /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000959999976 |
| /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1014.73999 |
| /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000959999976 |
| /ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| /ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| /ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| /ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| /ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 566.799988 |
| /ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 75.5 |
| /ehDyn AutoCntrHiSpd M str.FiltPinTrg HwNm f32 | 18.7999992 |
| /ehDyn AutoCntrHiSpd M str.CntrWindow HwDeg f32 | 97 |
| /ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 21335 |
| /ehDyn AutoCntrHiSpd M str.Timer2Thresh mS u16 | 34188 |
| /ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 4211268631 |
| /ehDyn AutoCntrHiSpd M str.Timer2 mS u32 | 2160073393 |
| /ehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32 | -1014.73999 |
| /ehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32 | 0.000760000024 |
| /ehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32 | -1014.73999 |
| /ehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32 | 0.000511999999 |
| /ehDyn_AutoCntrHiSpd_M_str.Filter1Enable Cnt_lgc | 1 |
| /ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| /ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized Cnt_lgc | 1 |
| /ehDyn_AutoChtrHiSpd_M_str.Filter2Initialized_Cht_lgc | 1 |
| /ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 566.900024 |
| /ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 96.900015 |
| /ehDyn_AutoCntrLoSpd_M_str.VenSpd_kpn_i32 /ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 8.89999962 |
| · - · · | |
| /ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 42.9000015 |
| /ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 53759 |
| /ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 18715 |
| /ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 4211268631 |
| /ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 2160073393 |
| /ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1014.73999 |



| Name | Input Value | | |
|------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|-------------------------|----------|
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1014.73999 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000959999976 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | | |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 1 | | |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | 1497.06995 | | |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 | | |
| VehDyn_Initialize_Cnt_M_lgc | 0 | | |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 1182.854 | | |
| VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32 | -376.470001 | | |
| VehDyn_PinTrqSV_M_str.SV_UIs_f32 | 7.5999999 | | |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000483000011 | | |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.238000005 | | |
| VehDyn_SLPHwPos_HwDeg_M_f32 | 83.2300034 | | |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 1480487040 | | |
| k_HiSpdVDAuthority_Uls_f32 | 1 | | |
| k_HwTqMgnThd_HwNm_f32 k_LoSpdVDAuthority_Uls_f32 | 4.0999999 | | |
| k SrlHwAgVldTiThd mS u32 | 90 | | |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 41.0999985 | | |
| k_TravelXCDeadband_Uls_f32 | 1.32000005 | | |
| k_TravelXCHwAuthority_Uls_f32 | 0.215075001 | | |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 437658624 | | |
| target_GetSystemTime_mS_u32_CurrentTime | 812314880 | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedT target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime | | | |
| target_Rte_lnst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32 | target VehDyn Per1 CcwEOT HwDeg f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f32 | 2 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRad | pS_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f3 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_U | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_Hw | /Deg_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc target_VehDyn_Per1_SrlHwAg_HwDeg_f32 | | |
| target Rte Inst Ap VehDyn.VehDyn Per1 TorqueCmdCRF MtrNm f32 | target_VehDyn_Per1_TorqueCmdCRF_MtrN | lm f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc | target_VehDyn_Per1_TorqueCritdcKr_MitNin_isz target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph_f3 | 2 | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -417.769989 | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 1065.66504 | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | -1.33000004 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | -835.440002 -1014.73999 | | |
| target VehDyn Per1 SrlHwAgVld Cnt lgc.value | 0 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | 0 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | 5.5999999 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 1 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 120.410004 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 4211268631 | 4211268631 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 2160073393 | 2160073393 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1014.73999 | -1014.73999 ± 0.009 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1014.73999 | -1014.73999 ± 0.009 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 812314880 2160073393 | 812314880 2160073393 | Ž |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1014.73999 | -1014.73999 ± 0.009 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1014.73999 | -1014.73999 ± 0.009 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 812314880 2160073393 | 812314880 2160073393 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1014.73999 | -1014.73999 ± 0.009 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1014.73999 | -1014.73999 ± 0.009 | ~ |
| | | | |



| Name | Actual Value | Expected Value | Result |
|-------------------------------------------------------|--------------|-----------------------|--------|
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 | 0 | • |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | • |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | 1 | • |
| VehDyn_MaxOffset_HwDeg_M_f32 | 1065.66504 | 1065.66504 | ~ |
| VehDyn_MinOffset_HwDeg_M_f32 | -417.769989 | -417.769989 | • |
| VehDyn_PinTrqSV_M_str.SV_UIs_f32 | 7.59575272 | 7.59575272 ± 0.000009 | ~ |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 1480487040 | 1480487040 | • |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 1 | 1 ± 0.004 | ~ |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | -1600 | -1600 ± 0.1 | ~ |

| Т | | | | ✓ |
|-------------------------------------------------------|-------|-------------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32 | 1 | • |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | • |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |

| ame | Input Value |
|-------------------------------------------------------------------|--------------------------------------------------------------------------|
| trmnElapsedTime mS u32(ElapsedTime) | target DtrmnElapsedTime mS u32 ElapsedTime |
| etSystemTime mS u32(CurrentTime) | target GetSystemTime mS u32 CurrentTime |
| te Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32(ElapsedTime) | target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedTime |
| te Call Ap VehDyn SystemTime GetSystemTime mS u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| te Inst Ap VehDyn | target Rte Inst Ap VehDyn |
| ehDyn AllowHiSpdAutoCntr Cnt M Igc | 0 |
| ehDyn AutoCntrDetSpd M str.MtrVel MtrRadpS f32 | 200.300003 |
| ehDyn AutoCntrDetSpd M str.VehSpd kph f32 | 52.2999992 |
| ehDyn AutoCntrDetSpd M str.FiltPinTrg HwNm f32 | 14.3000002 |
| ehDyn AutoCntrDetSpd M str.CntrWindow HwDeg f32 | 63.2999992 |
| ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 53970 |
| ehDyn AutoCntrDetSpd M str.Timer2Thresh mS u16 | 58869 |
| ehDyn AutoCntrDetSpd M str.Timer1 mS u32 | 1024 |
| ehDyn AutoCntrDetSpd M str.Timer2 mS u32 | 54822322 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -284.299988 |
| ehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32 | 0.000961999991 |
| ehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32 | -284.299988 |
| ehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32 | 0.000961999991 |
| ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| ehDyn AutoCntrDetSpd M str.Filter2Enable Cnt lgc | 0 |
| ehDyn AutoCntrDetSpd M str.Filter1Initialized Cnt Igc | 0 |
| ehDyn AutoCntrDetSpd M str.Filter2Initialized Cnt Igc | 1 |
| ehDyn AutoCntrHiSpd M str.MtrVel MtrRadpS f32 | 159 |
| ehDyn AutoCntrHiSpd M str.VehSpd kph f32 | 68.5 |
| ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 16.7999992 |
| ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 86.9000015 |
| ehDyn AutoCntrHiSpd M str.Timer1Thresh mS u16 | 12258 |
| ehDyn AutoCntrHiSpd M str.Timer2Thresh mS u16 | 36416 |
| ehDyn AutoCntrHiSpd M str.Timer1 mS u32 | 1024 |
| ehDyn AutoCntrHiSpd M str.Timer2 mS u32 | 54822322 |
| ehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32 | -284.299988 |
| ehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32 | 0.000761999981 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -284.299988 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000515999971 |
| ehDyn AutoCntrHiSpd M str.Filter1Enable Cnt Igc | 0 |
| ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| ehDyn AutoCntrHiSpd M str.Filter1Initialized Cnt Igc | 1 |
| ehDyn AutoCntrHiSpd M str.Filter2Initialized Cnt Igc | 0 |
| ehDyn AutoCntrLoSpd M str.MtrVel MtrRadpS f32 | 412.5 |
| ehDyn AutoCntrLoSpd M str.VehSpd kph f32 | 106.5 |
| ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 10.5 |
| ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 12.5 |
| ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 13352 |
| ehDyn AutoCntrLoSpd M str.Timer2Thresh mS u16 | 14442 |



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|---------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|----------------------|--------|
| Name | Input Value | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 1024 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 54822322 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -284.299988 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 7.58000024e-005 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -284.299988 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000961999991 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | | |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc VehDyn_ForceCenterOffset_HwDeg_M_f32 | 1596.97998 | | |
| VehDyn HiSpdLearnt Cnt M Igc | 1 | | |
| VehDyn_Initialize_Cnt_M_lgc | 0 | | |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 | | |
| VehDyn MaxOffset HwDeg M f32 | 1187.84595 | | |
| VehDyn_MinOffset_HwDeg_M_f32 | -383.190002 | | |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 1.5 | | |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000483999989 | | |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.218999997 | | |
| VehDyn_SLPHwPos_HwDeg_M_f32 | 93.4899979 | | |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 307663360 | | |
| k_HiSpdVDAuthority_UIs_f32 | 0 | | |
| k_HwTqMgnThd_HwNm_f32 | 5.0999999 | | |
| k_LoSpdVDAuthority_Uls_f32 | 1 | | |
| k_SrlHwAgVIdTiThd_mS_u32 | 70 | | |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 63.2000008 | | |
| k_TravelXCDeadband_Uls_f32 k_TravelXCHwAuthority_Uls_f32 | 2.8900001 0.216299996 | | |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 3941357312 | | |
| target_GetSystemTime_mS_u32_CurrentTime | 3437401088 | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedT | | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime | | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRad | pS_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_L | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_Hw | Deg_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 | 400 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc | target_VehDyn_Per1_TorqueCmdCRF_MtrN target_VehDyn_Per1_VehicleSpeedValid_Cr | _ | |
| target Rte Inst Ap VehDyn.VehDyn Per1 VehicleSpeed Kph f32 | target_VehDyn_Per1_VehicleSpeed_Kph_f3. | | |
| target VehDyn Per1 CcwEOT HwDeg f32.value | -411.51001 | _ | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 1060.09595 | | |
| target VehDyn Per1 HwTorque HwNm f32.value | -1.44000006 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | -456 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | -284.299988 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 0 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | 1000.25 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | -4.5999999 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 0 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 230 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 1024 | 1024 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 54822322 | 54822322 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 | -284.299988 284.299988 | -284.299988 ± 0.0009 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | -284.299988 0 | -284.299988 ± 0.0009 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | - |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | - |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 1024 | 1024 | • |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 54822322 | 54822322 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -284.299988 | -284.299988 ± 0.0009 | • |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -284.299988 | -284.299988 ± 0.0009 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ~ |



| Name | Actual Value | Expected Value | Result |
|-----------------------------------------------------------------|--------------|-----------------------|----------|
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 1024 | 1024 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 54822322 | 54822322 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -284.299988 | -284.299988 ± 0.0009 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -284.299988 | -284.299988 ± 0.0009 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 | 0 | ~ |
| VehDyn_MaxOffset_HwDeg_M_f32 | 1060.09595 | 1060.09595 | ~ |
| VehDyn_MinOffset_HwDeg_M_f32 | -411.51001 | -411.51001 | ~ |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 1.49854183 | 1.49854183 ± 0.000009 | ~ |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 307663360 | 307663360 | ✓ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 0.218999997 | 0.218999997 ± 0.004 | ~ |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | -190.809998 | -190.809998 ± 0.1 | ~ |

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|-------------------------------------------------------|-------|-------------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32 | 1 | ~ |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ✓ |

| lame | Input Value |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|
| trmnElapsedTime mS u32(ElapsedTime) | target DtrmnElapsedTime mS u32 ElapsedTime |
| setSystemTime mS u32(CurrentTime) | target GetSystemTime mS u32 CurrentTime |
| tte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32(ElapsedTime) | target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedTime |
| tte Call Ap VehDyn SystemTime GetSystemTime mS u32(CurrentTime) | target Rte Call Ap VehDyn SystemTime GetSystemTime mS u32 CurrentTime |
| te Inst Ap VehDyn | target_Rte_Inst_Ap_VehDyn |
| ehDyn AllowHiSpdAutoCntr Cnt M Igc | talget_Rte_ilist_Ap_veribyii |
| ehDyn_AllownispuAutoCntr_cnt_M_gc | 457.100006 |
| ehDyn_AutoCntrDetSpd_M_str.Will ver_will Raups_132 | 34.099985 |
| , = , = , = , = , = , | 12.1000004 |
| ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 88,099985 |
| ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 20423 |
| ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | |
| ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 18715 |
| ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 54822322 |
| ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 1024 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1259.78003 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000964000006 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1259.78003 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000964000006 |
| ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 10.1000004 |
| ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 45.7999992 |
| ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 18.3999996 |
| ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 42.2999992 |
| ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 29076 |
| ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 43868 |
| ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 54822322 |
| ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 1024 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1259.78003 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000763999997 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1259.78003 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000520000001 |
| ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 10.6000004 |
| ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 116.599998 |
| ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 12.6000004 |
| ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 53.5999985 |
| ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 21364 |
| ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 52716 |



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| Name | Input Value | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 54822322 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 1024 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1259.78003 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 7.51999978e-005 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1259.78003 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000964000006 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | | |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 1 | | |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | 1297.25 | | |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 | | |
| VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | | |
| VehDyn MaxOffset HwDeg M f32 | -1192.83801 | | |
| VehDyn_MinOffset_HwDeg_M_f32 | -389.910004 | | |
| VehDyn_PinTrqSV_M_str.SV_UIs_f32 | -1.60000002 | | |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000484999997 | | |
| VehDyn SLPHwAuth Uls M f32 | 0.200000003 | | |
| VehDyn_SLPHwPos_HwDeg_M_f32 | 103.75 | | |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 1095910784 | | |
| k_HiSpdVDAuthority_UIs_f32 | 1 | | |
| k HwTqMgnThd HwNm f32 | 6.0999999 | | |
| k_LoSpdVDAuthority_Uls_f32 | 0 | | |
| k_SrlHwAgVldTiThd_mS_u32 | 456 | | |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 88.8000031 | | |
| k_TravelXCDeadband_Uls_f32 | 4.46000004 | | |
| k_TravelXCHwAuthority_UIs_f32 | 0.217525005 | | |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 3304439296 | | |
| target_GetSystemTime_mS_u32_CurrentTime | 3494315776 | | |
| $target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedT$ | 954802432 | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f3: | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessAuthority_U target_VehDyn_Per1_SensorlessHwPos_Hw | | |
| target Rte Inst Ap VehDyn.VehDyn Per1 SrlHwAgVld Cnt Igc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc | Deg_102 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target VehDyn Per1 TorqueCmdCRF MtrN | m f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc | target_VehDyn_Per1_VehicleSpeedValid_Cr | _ | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph_f3: | | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -405.25 | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 1054.52698 | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | -1.54999995 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | 987.5 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | 1259.78003 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 1 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | 1600 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | -4.9000001 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 1 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 245.641006 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 54822322 | 54822322 | • |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 1024 | 1024 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1259.78003 | 1259.78003 ± 0.009 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1259.78003 | 1259.78003 ± 0.009 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | V |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | V |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | V |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 3494315776 | 3494315776 | V |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 1024 | 1024 | • |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1259.78003 | 1259.78003 ± 0.009 | • |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1259.78003 | 1259.78003 ± 0.009 | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 0 | 0 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | |
| vonbyn_Autoontriiopu_ivi_str.Filterziiiittatizeu_ont_igc | <u> </u> | <u> </u> | |



| Name | Actual Value | Expected Value | Result |
|-----------------------------------------------------------------|--------------|------------------------|--------|
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 3494315776 | 3494315776 | • |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 1024 | 1024 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1259.78003 | 1259.78003 ± 0.009 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1259.78003 | 1259.78003 ± 0.009 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 | 0 | ~ |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_MaxOffset_HwDeg_M_f32 | -1192.83801 | -1192.83801 | ~ |
| VehDyn_MinOffset_HwDeg_M_f32 | -389.910004 | -389.910004 | ~ |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | -1.60000253 | -1.60000253 ± 0.000009 | ~ |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 1095910784 | 1095910784 | ~ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 1 | 1 ± 0.004 | ~ |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | -37.4699707 | -37.4700012 ± 0.1 | ~ |

| Т | | | | V |
|-------------------------------------------------------|-------|-------------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ✓ |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |

| Test Step 2.239 (Repeat Count = 1) | |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|
| Name | Input Value |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| GetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1. |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 86.1999969 |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 18.2000008 |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 3.20000005 |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 85.1999969 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 33198 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 7778 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 2345892860 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 3589476707 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 267.709991 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000661999977 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 267.709991 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000661999977 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 56.0999985 |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 88.8000031 |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 1.5 |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 96.8000031 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 21335 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 34188 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 2345892860 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 3589476707 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 267.709991 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000248700002 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 267.709991 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000791999977 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 86.6999969 |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 18.2999992 |



| Name | Input Value | | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------|----------|
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 3.70000005 85.3000031 | | |
| VehDyn AutoCntrLoSpd M str.Timer1Thresh mS u16 | 33198 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 7778 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 2345892860 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 3589476707 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 267.709991 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 2.73999995e-005 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 267.709991 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000661999977 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | | |
| VehDyn AutoCntrLoSpd M str.Filter2Initialized Cnt Igc | 1 | | |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 0 | | |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | -1000.67999 | | |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 | | |
| VehDyn_Initialize_Cnt_M_lgc | 1 | | |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | | |
| VehDyn_MaxOffset_HwDeg_M_f32 | 399.109985 | | |
| VehDyn_MinOffset_HwDeg_M_f32 VehDyn_PinTrqSV_M_str.SV_UIs_f32 | -1399.05005 -14.8000002 | | |
| VehDyn_PinTrqSV_M_str.Sv_Uis_f32 VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000257000007 | | |
| VehDyn SLPHwAuth Uls M f32 | 0.897000015 | | |
| VehDyn_SLPHwPos_HwDeg_M_f32 | -1527.58997 | | |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 463842816 | | |
| k_HiSpdVDAuthority_Uls_f32 | 0.123000003 | | |
| k_HwTqMgnThd_HwNm_f32 | 0 | | |
| k_LoSpdVDAuthority_UIs_f32 | 1 | | |
| k_SrlHwAgVIdTiThd_mS_u32 | 96.3000031 | | |
| k_SysKinRatio_MtrDegpHwDeg_f32 k_TravelXCDeadband_Uls_f32 | 9.8900034 | | |
| k TravelXCHwAuthority Uls f32 | 0.0227499995 | | |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 2167769344 | | |
| target_GetSystemTime_mS_u32_CurrentTime | 463842816 | | |
| $target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_Elapsed$ | 2728878080 | | |
| $target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime$ | 463842816 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f32 target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VenDyn_Per1_MotorVeiCRF_MirRad target_VehDyn_Per1_RelHwPos_HwDeg_f3 | | |
| target Rte Inst Ap VehDyn.VehDyn Per1 SensorlessAuthority Uls f32 | target VehDyn Per1 SensorlessAuthority U | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_Hw | _ | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAgVld_Cnt_Igc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc | - | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_MtrN | _ | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc | target_VehDyn_Per1_VehicleSpeedValid_Ci | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph_f3 | 2 | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -1400.58997 | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value | 440.682007 5.5 | | |
| target VehDyn Per1 MotorVelCRF MtrRadpS f32.value | 753.570007 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | 267.709991 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 1 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | -1527.58997 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | -1.60000002 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc.value | 0 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 30.0400009 | In the second | |
| Name | Actual Value | Expected Value | Resul |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_Igc | 1 | 1 | • |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 2345892860 | 2345892860 3589476707 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 3589476707 267.709991 | 267.709991 ± 0.0009 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 267.709991 | 267.709991 ± 0.0009 267.709991 ± 0.0009 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 463842816 | 463842816 | • |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 3589476707 | 3589476707 | • |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 267.709991 | 267.709991 ± 0.0009 | • |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 267.709991 | 267.709991 ± 0.0009 | ■ |



| Name | Actual Value | Expected Value | Result |
|-----------------------------------------------------------------|--------------|-----------------------|----------|
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 2345892860 | 2345892860 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 3589476707 | 3589476707 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 267.709991 | 267.709991 ± 0.0009 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 267.709991 | 267.709991 ± 0.0009 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 | 1 | ✓ |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | 1 | • |
| VehDyn_MaxOffset_HwDeg_M_f32 | 172.972015 | 172.972 | ~ |
| VehDyn_MinOffset_HwDeg_M_f32 | -1399.05005 | -1399.05005 | ~ |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | -14.7947874 | -14.7947874 ± 0.00009 | ~ |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 463842816 | 463842816 | ~ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 0.123000003 | 0.123000003 ± 0.004 | ~ |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | 0 | 0 ± 0.1 | ~ |

| T | | | | ✓ |
|----------------------------------------------------|-------|----------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | ✓ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |

| Test Step 2.240 (Repeat Count = 1) | · · |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|
| Name | Input Value |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| GetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 75.0999985 |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 88.0999985 |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 1.10000002 |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 96.0999985 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 21335 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 34188 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 2553156835 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 3796740682 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -293.049988 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000663999992 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -293.049988 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000663999992 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 86 |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 76.0999985 |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 2 |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 32.2999992 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 12258 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 36416 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 2553156835 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 3796740682 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -293.049988 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000289399992 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -293.049988 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000793999992 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |



| | | | TOLCITO |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|--------------------------|---------|
| Name | Input Value | | |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 75.5 | | |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 88.8000031 | | |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 1.5 | | |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 96.8000031 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 21335 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 34188 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 2553156835 3796740682 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -293.049988 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 2.78000007e-005 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -293.049988 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000663999992 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | | |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 1 -900.77002 | | |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 | | |
| VehDyn_Initialize_Cnt_M_lgc | 0 | | |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 | | |
| VehDyn_MaxOffset_HwDeg_M_f32 | 404.10199 | | |
| VehDyn_MinOffset_HwDeg_M_f32 | -1392.36597 | | |
| VehDyn_PinTrqSV_M_str.SV_UIs_f32 | 17.7999992 | | |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000257999985 | | |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.882000029 | | |
| VehDyn_SLPHwPos_HwDeg_M_f32 | -1517.32996 | | |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 1463935616 | | |
| k_HiSpdVDAuthority_UIs_f32 | 0.637000024 | | |
| k_HwTqMgnThd_HwNm_f32 | 10 | | |
| k_LoSpdVDAuthority_Uls_f32 | 0 987 | | |
| k_SrlHwAgVldTiThd_mS_u32 k_SysKinRatio_MtrDegpHwDeg_f32 | 32.5 | | |
| k TravelXCDeadband Uls f32 | 11.3299999 | | |
| k_TraveIXCHwAuthority_UIs_f32 | 0.0239749998 | | |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 3714197504 | | |
| target_GetSystemTime_mS_u32_CurrentTime | 1759885568 | | |
| $target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_Elaps$ | sedTi 824746752 | | |
| $target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u33_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_$ | ime 1759885568 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_Hv | wDeg_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_Hw | Deg_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_H | _ | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCR | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_h | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessA | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc | target_VehDyn_Per1_SensorlessH target_VehDyn_Per1_SrlHwAgVld | | |
| target Rte Inst Ap VehDyn.VehDyn Per1 SrlHwAg HwDeg f32 | target_VehDyn_Per1_SrlHwAg_Hv | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmd0 | | |
| target Rte Inst Ap VehDyn.VehDyn Per1 VehicleSpeedValid Cnt Igc | target_VehDyn_Per1_VehicleSpee | | |
| target Rte Inst Ap VehDyn.VehDyn Per1 VehicleSpeed Kph f32 | target_VehDyn_Per1_VehicleSpee | | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -1394.32996 | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 451.588989 | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | -7.30000019 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | 159.455994 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | -293.049988 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 0 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | -1517.32996 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | 4.5999999 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 1 25 9900004 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 35.8899994 | Establish 1 | |
| Name VohDva AllowHiSpdAutoCate Cat M Ica | Actual Value | Expected Value | Resu |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 2553156835 | 1 2553156835 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 2553156835 3796740682 | 2553156835 3796740682 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -293.049988 | -293.049988 ± 0.0009 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -293.049988 | -293.049988 ± 0.0009 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 1759885568 | 1759885568 | |
| VehDyn AutoCntrHiSpd M str.Timer2 mS u32 | 3796740682 | 3796740682 | , |

3796740682

3796740682



| Name | Actual Value | Expected Value | Result |
|-----------------------------------------------------------------|--------------|----------------------|----------|
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -293.049988 | -293.049988 ± 0.0009 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -293.049988 | -293.049988 ± 0.0009 | - |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 1759885568 | 1759885568 | • |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 3796740682 | 3796740682 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -293.049988 | -293.049988 ± 0.0009 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -293.049988 | -293.049988 ± 0.0009 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 | 0 | ~ |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | - |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 | 0 | ~ |
| VehDyn_MaxOffset_HwDeg_M_f32 | 451.588989 | 451.588989 | ~ |
| VehDyn_MinOffset_HwDeg_M_f32 | -1394.32996 | -1394.32996 | ✓ |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 17.79356 | 17.79356 ± 0.00009 | ~ |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 1463935616 | 1463935616 | • |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 1 | 1 ± 0.004 | • |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | 607.720032 | 607.719971 ± 0.1 | ~ |

| T | | | | ✓ |
|-------------------------------------------------------|-------|-------------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32 | 1 | • |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | - |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | • |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | • |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | • |

| Name | Input Value |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|
| DtrmnElapsedTime_mS_u32(ElapsedTime) | target DtrmnElapsedTime mS u32 ElapsedTime |
| GetSystemTime mS u32(CurrentTime) | target GetSystemTime mS u32 CurrentTime |
| Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32(ElapsedTime) | target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedTime |
| Rte Call Ap VehDyn SystemTime GetSystemTime mS u32(CurrentTime) | target Rte Call Ap VehDyn SystemTime GetSystemTime mS u32 CurrentTime |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| /ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 |
| /ehDyn AutoCntrDetSpd M str.MtrVel MtrRadpS f32 | 98.5 |
| VehDyn AutoCntrDetSpd M str.VehSpd kph f32 | 76.5 |
| VehDyn AutoCntrDetSpd M str.FiltPinTrg HwNm f32 | 2.5 |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 32.5 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 12258 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 36416 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 2760420809 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 4004004656 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -627.179993 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000666000007 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -627.179993 |
| /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000666000007 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| /ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 75.5 |
| /ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 86.5 |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 4.0999999 |
| /ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 52.2999992 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 29076 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 43868 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 2760420809 |
| /ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 4004004656 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -627.179993 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000330100011 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -627.179993 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000796000008 |



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|-----------------------------------------------------------------------|-----------------------------------------|----------------------|------|
| Name | Input Value | | |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1 | | |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 | | |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | | |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | | |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 98.8000031 | | |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 76.5 | | |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 2.7999995 | | |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 32.5 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 12258 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 36416 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 2760420809 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 4004004656 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -627.179993 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 2.82000001e-005 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -627.179993 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000666000007 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | | |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 1 | | |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | -800.859985 | | |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 | | |
| VehDyn_Initialize_Cnt_M_lgc | 0 | | |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | | |
| VehDyn_MaxOffset_HwDeg_M_f32 | 409.093994 -1385.68201 | | |
| VehDyn_MinOffset_HwDeg_M_f32 | -7 | | |
| VehDyn_PinTrqSV_M_str.SV_UIs_f32 | 0.000258999993 | | |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 VehDyn_SLPHwAuth_Uls_M_f32 | 0.86699984 | | |
| | -1507.06995 | | |
| VehDyn_SLPHwPos_HwDeg_M_f32 VehDyn_SrlHwAgVldTimer_mS_M_u32 | 1662097408 | | |
| k_HiSpdVDAuthority_Uls_f32 | 0.278719991 | | |
| k_HwTqMgnThd_HwNm_f32 | 5.4000001 | | |
| k_LoSpdVDAuthority_UIs_f32 | 1 | | |
| k_SrlHwAgVldTiThd_mS_u32 | 16445 | | |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 52.2999992 | | |
| k_TraveIXCDeadband_Uls_f32 | 12.7700005 | | |
| k_TraveIXCHwAuthority_UIs_f32 | 0.0252 | | |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 4243378688 | | |
| target_GetSystemTime_mS_u32_CurrentTime | 3941357312 | | |
| target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedT | | | |
| target Rte Call Ap VehDyn SystemTime GetSystemTime mS u32 CurrentTime | 1662097408 | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 | 2 | |
| target Rte Inst Ap VehDyn.VehDyn Per1 CwEOT HwDeg f32 | target VehDyn Per1 CwEOT HwDeg f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f3 | 2 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRad | dpS_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f3 | 32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_ | Uls_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_Hv | wDeg_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_Mtrl | Nm_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc | target_VehDyn_Per1_VehicleSpeedValid_C | nt_lgc | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph_f3 | 32 | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -1388.06995 | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 462.496002 | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | -7.0999999 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | 1100.45801 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | -627.179993 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 0 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | -1507.06995 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | -8.80000019 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 0 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 36.4199982 | | |
| Name | Actual Value | Expected Value | Resu |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 | 1 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 2760420809 | 2760420809 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 4004004656 | 4004004656 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -627.179993 | -627.179993 ± 0.0009 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -627.179993 | -627.179993 ± 0.0009 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | |
| | | | |



| Name | Actual Value | Expected Value | Result |
|-----------------------------------------------------------------|--------------|------------------------|--------|
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 3941357312 | 3941357312 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 4004004656 | 4004004656 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -627.179993 | -627.179993 ± 0.0009 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -627.179993 | -627.179993 ± 0.0009 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 2760420809 | 2760420809 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 4004004656 | 4004004656 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -627.179993 | -627.179993 ± 0.0009 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -627.179993 | -627.179993 ± 0.0009 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_MaxOffset_HwDeg_M_f32 | 462.496002 | 462.496002 | ~ |
| VehDyn_MinOffset_HwDeg_M_f32 | -1388.06995 | -1388.06995 | ~ |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | -7.00006962 | -7.00006962 ± 0.000009 | ~ |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 1662097408 | 1662097408 | ~ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 1 | 1 ± 0.004 | ~ |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | 173.679993 | 173.679993 ± 0.1 | ~ |

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|----------------------------------------------------|-------|----------------------------------------------------|-------|--------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |

| Name | Input Value |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|
| OtrmnElapsedTime_mS_u32(ElapsedTime) | target DtrmnElapsedTime mS u32 ElapsedTime |
| GetSystemTime mS u32(CurrentTime) | target GetSystemTime mS u32 CurrentTime |
| Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32(ElapsedTime) | target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedTime |
| Rte Call Ap VehDyn SystemTime GetSystemTime mS u32(CurrentTime) | target Rte Call Ap VehDyn SystemTime GetSystemTime mS u32 CurrentTime |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 |
| /ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 290.100006 |
| ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 106.199997 |
| /ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 10.1000004 |
| /ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 54.2000008 |
| /ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 13352 |
| /ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 3277 |
| /ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 383750110 |
| /ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 2760420809 |
| /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1146.91003 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000951999973 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1146.91003 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000951999973 |
| /ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 341 |
| ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 96.1999969 |
| ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 10.1000004 |
| ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 78.1999969 |
| ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 20423 |
| ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 31368 |
| /ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 383750110 |
| ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 2760420809 |
| /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1146.91003 |
| /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000752000022 |



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| Name | Input Value | | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1146.91003 | | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000495999993 | | |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1 | | |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 | | |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | | |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | | |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 34.0999985 136.100006 | | |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 1,29999995 | | |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 32.099985 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 26195 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 22037 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 383750110 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 2760420809 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1146.91003 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 7.4800002e-005 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1146.91003 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000951999973 | | |
| VehDyn_AutoCntrloSpd_M_str.Filter1Enable_Cnt_lgc | 0 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | | |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 1 | | |
| VehDyn ForceCenterOffset HwDeg M f32 | -201.399994 | | |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 | | |
| VehDyn_Initialize_Cnt_M_lgc | 1 | | |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | | |
| VehDyn_MaxOffset_HwDeg_M_f32 | 1243.65002 | | |
| VehDyn_MinOffset_HwDeg_M_f32 | -685.590027 | | |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 14 | | |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000479000009 | | |
| VehDyn_SLPHwAuth_Uls_M_f32 | 1 | | |
| VehDyn_SLPHwPos_HwDeg_M_f32 | 45.7999992 | | |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 2127166208 | | |
| k_HiSpdVDAuthority_Uls_f32 k_HwTqMgnThd_HwNm_f32 | 1 0.0500000007 | | |
| k_LoSpdVDAuthority_Uls_f32 | 1 | | |
| k_SrlHwAgVldTiThd_mS_u32 | 65 | | |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 86.5 | | |
| k_TravelXCDeadband_Uls_f32 | 53.1300011 | | |
| k_TraveIXCHwAuthority_UIs_f32 | 0.31674999 | | |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 3323480832 | | |
| target_GetSystemTime_mS_u32_CurrentTime | 1662097408 | | |
| $target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapseDTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_Elapse$ | | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_HwTorque_HwNm_f32 | | |
| target Rte Inst Ap VehDyn.VehDyn Per1 RelHwPos HwDeg f32 | target_VehDyn_Per1_MotorVelCRF_MtrRad target_VehDyn_Per1_RelHwPos_HwDeg_f3 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target VehDyn Per1 SensorlessAuthority L | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_Hw | _ | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc | 0_ | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_MtrN | lm_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc | target_VehDyn_Per1_VehicleSpeedValid_Cr | nt_lgc | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph_f3 | 2 | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -577.590027 | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 859.612 | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | 6 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | -759.25 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | 1146.91003 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 1 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | 45.7999992 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc.value | 4.9000001 | | |
| target_venDyn_Per1_venicleSpeedvalid_Cnt_igc.value target_vehDyn_Per1_vehicleSpeed_Kph_f32.value | 99.9899979 | | |
| Name | Actual Value | Expected Value | Post |
| Name | Actual Value | Expected Value | Resu |
| VehDvn AllowHiSpdAutoCntr Cnt M Igc | 1 | | 1 |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str_Timer1_mS_u32 | 1 383750110 | | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 383750110 | 383750110 | |
| | | | |



| Name | Actual Value | Expected Value | Result |
|-----------------------------------------------------------------|--------------|----------------------|----------|
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 1662097408 | 1662097408 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 2760420809 | 2760420809 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1146.91003 | 1146.91003 ± 0.009 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1146.91003 | 1146.91003 ± 0.009 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 383750110 | 383750110 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 2760420809 | 2760420809 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1146.91003 | 1146.91003 ± 0.009 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1146.91003 | 1146.91003 ± 0.009 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_MaxOffset_HwDeg_M_f32 | -287.298035 | -287.298004 | ~ |
| VehDyn_MinOffset_HwDeg_M_f32 | -685.590027 | -685.590027 | ~ |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 13.9961948 | 13.9961948 ± 0.00009 | ~ |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 2127166208 | 2127166208 | ~ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 1 | 1 ± 0.004 | ~ |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | 1348.31006 | 1348.31006 ± 0.1 | ~ |

| T | | | | ✓ |
|----------------------------------------------------|-------|----------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | • |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | • |

| Name | Input Value |
|--------------------------------------------------------------------|-------------------------------------------------------------------------|
| OtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| GetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTim |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 66.9000015 |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 86.9000015 |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 4.9000001 |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 52.9000015 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 29076 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 43868 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 2967684784 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 4211268631 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -177.479996 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000668000022 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -177.479996 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000668000022 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 98.0999985 |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 96.0999985 |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 6.5 |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 41.0999985 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 32821 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 53946 |
| | |



| Name | Input Value | | |
|---------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|----------------|-------|
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | Input Value -177.479996 | | |
| VehDyn_AutoCntrHiSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.Sv_Uis_i32 VehDyn_AutoCntrHiSpd_M_str.ReiHwPosFilt1SV_HwDeg_str.K_UIs_f32 | 0.0003708 | | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -177.479996 | | |
| VehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32 | 0.000798000023 | | |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | | |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 | | |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | | |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | | |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 66.0999985 | | |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 86.1999969 | | |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 4.0999999 | | |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 52.2000008 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 29076 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 43868 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 2967684784 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 4211268631 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -177.479996 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 2.85999995e-005 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDog_str.SV_Uls_f32 | -177.479996 0.000668000022 | | |
| VehDyn_AutoCotrl_oSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter Hintialized_Cnt_lgc | 0 | | |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 1 | | |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | -700.950012 | | |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 | | |
| VehDyn_Initialize_Cnt_M_lgc | 1 | | |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 | | |
| VehDyn_MaxOffset_HwDeg_M_f32 | 414.085999 | | |
| VehDyn_MinOffset_HwDeg_M_f32 | -1378.99805 | | |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 6.30000019 | | |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000260000001 | | |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.851999998 | | |
| VehDyn_SLPHwPos_HwDeg_M_f32 | -1496.81006 | | |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 1050692864 | | |
| k_HiSpdVDAuthority_Uls_f32 | 0.277799994 | | |
| k_HwTqMgnThd_HwNm_f32 | 2.0999999 | | |
| k_LoSpdVDAuthority_Uls_f32 | 0 | | |
| k_SrlHwAgVldTiThd_mS_u32 | 0 | | |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 41.5 | | |
| k_TravelXCDeadband_Uls_f32 | 14.21 | | |
| k_TraveIXCHwAuthority_UIs_f32 | 0.0264250003 | | |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 1050692864 | | |
| target_GetSystemTime_mS_u32_CurrentTime | 3304439296 | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedT | | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime target Rte Inst Ap VehDyn.VehDyn Per1 CcwEOT HwDeg f32 | target VehDyn Per1 CcwEOT HwDeg f32 | | |
| target_Rte_inst_Ap_venDyn.venDyn_Peri_CcwEO1_HwDeg_132 target_Rte_inst_Ap_venDyn.VehDyn_Peri_CwEOT_HwDeg_132 | target_VehDyn_Per1_CwEOT_HwDeg_f32 | | |
| target_Rte_Inst_Ap_venDyn.venDyn_Per1_LwE01_HwDeg_is2 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VenDyn_Per1_EwEO1_HwDeg_i32 target_VenDyn_Per1_HwTorque_HwNm_f32 |) | |
| target_Rte_Inst_Ap_venDyn.venDyn_Per1_mwTorque_mwnin_isz target_Rte_Inst_Ap_vehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target VehDyn Per1 MotorVelCRF MtrRad | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f3 | · - | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_L | | |
| target Rte Inst Ap VehDyn.VehDyn Per1 SensorlessHwPos HwDeg f32 | target_VehDyn_Per1_SensorlessHwPos_Hw | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_MtrN | lm_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc | target_VehDyn_Per1_VehicleSpeedValid_Ci | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph_f3 | | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -1381.81006 | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 473.403015 | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | 8.85000038 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | -759.549988 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | -177.479996 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 1 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | -1496.81006 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | 8.80000019 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 1 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 38.8800011 | | |
| Name | Actual Value | Expected Value | Resul |
| VID AN UPO IA COLOURAL | 1 | 1 | |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 2967684784 | 2967684784 | |



| Name | Actual Value | Expected Value | Result |
|------------------------------------------------------------------|--------------|-----------------------|----------|
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -177.479996 | -177.479996 ± 0.0009 | • |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -177.479996 | -177.479996 ± 0.0009 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 3304439296 | 3304439296 | • |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 4211268631 | 4211268631 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -177.479996 | -177.479996 ± 0.0009 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -177.479996 | -177.479996 ± 0.0009 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 3304439296 | 3304439296 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 4211268631 | 4211268631 | • |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -177.479996 | -177.479996 ± 0.0009 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -177.479996 | -177.479996 ± 0.0009 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 | 0 | ✓ |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | ✓ |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 | 0 | ✓ |
| VehDyn_MaxOffset_HwDeg_M_f32 | 414.085999 | 414.085999 | ~ |
| VehDyn_MinOffset_HwDeg_M_f32 | -1204.33008 | -1204.32996 | ✓ |
| VehDyn_PinTrqSV_M_str.SV_UIs_f32 | 6.30071831 | 6.30071831 ± 0.000009 | ~ |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 1050692864 | 1050692864 | ~ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 1 | 1 ± 0.004 | ~ |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | 523.470032 | 523.469971 ± 0.1 | ~ |

| Τ | | | ✓ | |
|----------------------------------------------------|-------|----------------------------------------------------|----------|--------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | • |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | • |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | • |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | • |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |

| Test Step 2.244 (Repeat Count = 1) | ✓ |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|
| Name | Input Value |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| GetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 34.7999992 |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 96.8000031 |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 6.80000019 |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 41.7999992 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 32821 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 53946 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 3174948758 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 1024 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 731.700012 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000669999979 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 731.700012 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000669999979 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 665 |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 106.5 |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 14.1000004 |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 63.4000015 |



| Name | Input Value |
|------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 40437 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 13059 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 3174948758 |
| | 1024 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 731.700012 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.00041149999 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 731.700012 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.0007999998 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 34.2000008 |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 96.0999985 |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 6.19999981 |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 41.0999985 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 32821 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 53946 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 3174948758 |
| VehDyn AutoCntrLoSpd M str.Timer2 mS u32 | 1024 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 731.700012 |
| VehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32 | 2.9000007e-005 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 731.700012 |
| VehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32 | 0.00066999979 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn AutoCntrLoSpd M str.Filter2Enable Cnt.lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| | 1 |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | -601.039978 |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 |
| VehDyn_Initialize_Cnt_M_lgc | 1 |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 |
| VehDyn_MaxOffset_HwDeg_M_f32 | 419.078003 |
| VehDyn_MinOffset_HwDeg_M_f32 | -1372.31396 |
| VehDyn_PinTrqSV_M_str.SV_UIs_f32 | 15.1999998 |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000261000008 |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.837000012 |
| VehDyn_SLPHwPos_HwDeg_M_f32 | -1486.55005 |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 3039943680 |
| k_HiSpdVDAuthority_Uls_f32 | 0.272780001 |
| k_HwTqMgnThd_HwNm_f32 | 3.0999999 |
| k LoSpdVDAuthority UIs f32 | 1 |
| k SrlHwAgVldTiThd mS u32 | 100000 |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 63.0999985 |
| k TravelXCDeadband Uls f32 | 15.6499996 |
| k_TravelXCHwAuthority_UIs_f32 | 0.0276500005 |
| target DtrmnElapsedTime mS u32 ElapsedTime | 3039943680 |
| target_GetSystemTime_mS_u32_CurrentTime | 2167769344 |
| target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedTi | |
| target Rte Call Ap VehDyn SystemTime GetSystemTime mS u32 CurrentTime | |
| target_Rte_Call_Ap_VehDyn_SystemTime_GetsystemTime_ms_u32_CurrentTime target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 |
| | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 |
| | target_VehDyn_Per1_HwTorque_HwNm_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_Uls_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc | target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph_f32 |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -1375.55005 |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 484.309998 |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | -9.10000038 |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | 154.199997 |
| target VehDyn Per1 RelHwPos HwDeg f32.value | 731.700012 |
| target VehDyn Per1 SrlHwAgVld Cnt Igc.value | 1 |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | -1486.55005 |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | 0 |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 0 |
| | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 45.7900009 |



| Name | Actual Value | Expected Value | Result |
|------------------------------------------------------------------|--------------|----------------------|----------|
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 3174948758 | 3174948758 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 1024 | 1024 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 731.700012 | 731.700012 ± 0.0009 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 731.700012 | 731.700012 ± 0.0009 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 2167769344 | 2167769344 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 1024 | 1024 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 731.700012 | 731.700012 ± 0.0009 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 731.700012 | 731.700012 ± 0.0009 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 3174948758 | 3174948758 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 1024 | 1024 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 731.700012 | 731.700012 ± 0.0009 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 731.700012 | 731.700012 ± 0.0009 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 | 1 | ✓ |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | ✓ |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | 1 | ✓ |
| VehDyn_MaxOffset_HwDeg_M_f32 | -247.390015 | -247.389999 | ✓ |
| VehDyn_MinOffset_HwDeg_M_f32 | -1372.31396 | -1372.31396 | ✓ |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 15.1936579 | 15.1936579 ± 0.00009 | ✓ |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 3039943680 | 3039943680 | ✓ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 1 | 1 ± 0.004 | ✓ |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | 1332.73999 | 1332.73999 ± 0.1 | ✓ |

| Τ | | | V | |
|----------------------------------------------------|-------|----------------------------------------------------|-------|--------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | - |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |

| Test Step 2.245 (Repeat Count = 1) | ✓ |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|
| Name | Input Value |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| GetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 2.0999999 |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 106.099998 |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 14.1000004 |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 63.0999985 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 40437 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 13059 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 3382212733 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 54822322 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -968.400024 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000671999995 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -968.400024 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000671999995 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 34.0999985 |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 116.099998 |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 18 |



| Name | Input Value |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 88.4000015 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 2291 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 58929 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 3382212733 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 54822322 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -968.400024 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000452200009 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -968.400024 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000801999995 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 2 2000000 |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 2.0999999 |
| VehDyn AutoCntrLoSpd M str.FiltPinTrg HwNm f32 | 14.1000004 |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 63.2000008 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 40437 |
| VehDyn AutoCntrLoSpd M str.Timer2Thresh mS u16 | 13059 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 3382212733 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 54822322 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -968.400024 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 2.94000001e-005 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -968.400024 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000671999995 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 0 |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | -501.130005 |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 |
| VehDyn_Initialize_Cnt_M_lgc | 0 |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 |
| VehDyn_MaxOffset_HwDeg_M_f32 | 424.070007 |
| VehDyn_MinOffset_HwDeg_M_f32 | -1365.63 |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 14 |
| VehDyn_PinTrqSV_M_str.K_UIs_f32 | 0.000261999987 |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.822000027 -1476.29004 |
| VehDyn_SLPHwPos_HwDeg_M_f32 | 1316564736 |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 k_HiSpdVDAuthority_Uls_f32 | 0.89999976 |
| k HwTqMgnThd HwNm f32 | 4.0999999 |
| k LoSpdVDAuthority UIs f32 | 0 |
| k_SrlHwAgVldTiThd_mS_u32 | 500 |
| k SysKinRatio MtrDegpHwDeg f32 | 88.3000031 |
| k TravelXCDeadband Uls f32 | 17.090002 |
| k TravelXCHwAuthority Uls f32 | 0.0288750008 |
| target DtrmnElapsedTime mS u32 ElapsedTime | 1316564736 |
| target_GetSystemTime_mS_u32_CurrentTime | 3714197504 |
| target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedTi | 1117112832 |
| $target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime$ | 1316564736 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_Uls_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc | target_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph_f32 |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -1369.29004 |
| Accord Make Day Book OverOT 11 B 1900 | 495.21701 |
| | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value target_VehDyn_Per1_HwTorque_HwNm_f32.value | 5.5 |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | 5.5 -759.299988 |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | 5.5 -759.299988 -968.400024 |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 5.5 -759.299988 -968.400024 0 |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | 5.5 -759.299988 -968.400024 |



| Name | Input Value | | |
|------------------------------------------------------------------|--------------|----------------------|----------|
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 456.140015 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 | 1 | • |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 3382212733 | 3382212733 | • |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 54822322 | 54822322 | • |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -968.400024 | -968.400024 ± 0.0009 | • |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -968.400024 | -968.400024 ± 0.0009 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | - |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 3714197504 | 3714197504 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 54822322 | 54822322 | • |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -968.400024 | -968.400024 ± 0.0009 | • |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -968.400024 | -968.400024 ± 0.0009 | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | - |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 3714197504 | 3714197504 | • |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 54822322 | 54822322 | - |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -968.400024 | -968.400024 ± 0.0009 | • |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -968.400024 | -968.400024 ± 0.0009 | - |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | · · |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | • |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 | 0 | • |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | - |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 | 0 | • |
| VehDyn_MaxOffset_HwDeg_M_f32 | 495.21701 | 495.21701 | • |
| VehDyn_MinOffset_HwDeg_M_f32 | -1369.29004 | -1369.29004 | • |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 13.9977865 | 13.9977865 ± 0.00009 | • |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 1316564736 | 1316564736 | • |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 0.822000027 | 0.822000027 ± 0.004 | • |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | -1600 | -1600 ± 0.1 | ✓ |

| Τ | | | ✓ | |
|----------------------------------------------------|-------|----------------------------------------------------|----------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ✓ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ✓ |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |

| Test Step 2.246 (Repeat Count = 1) | ✓ |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|
| Name | Input Value |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| GetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 124.099998 |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 206.100006 |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 3.0999999 |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 97.0999985 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 30404 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 30349 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 2553156835 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 3796740682 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 267.709991 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000847999996 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 267.709991 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000847999996 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |



| | (|
|------------------------------------------------------------------------------------------|------------------------------------------------|
| Name | Input Value |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 138 |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 156 |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 3 |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 52.4000015 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 21335 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 34188 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 2553156835 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 3796740682 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 267.709991 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000636000012 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 267.709991 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000264000002 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_Igc | 0 100.599998 |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 124.699997 |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 6.5999999 |
| VehDyn AutoCntrLoSpd M str.CntrWindow HwDeg f32 | 88.6999969 |
| VehDyn AutoCntrLoSpd M str.Timer1Thresh mS u16 | 21364 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 52716 |
| VehDyn AutoCntrLoSpd M str.Timer1 mS u32 | 2553156835 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 3796740682 |
| VehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32 | 267.709991 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 7.58000024e-005 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 267.709991 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000847999996 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 1 |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | -1600 |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 |
| VehDyn_Initialize_Cnt_M_lgc | 0 |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | |
| VehDyn_MaxOffset_HwDeg_M_f32 | 863.366028 |
| VehDyn_MinOffset_HwDeg_M_f32 | -777.437988 |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 7.80000019 |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000421000004 |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.58999974 |
| VehDyn_SLPHwPos_HwDeg_M_f32 | -573.409973 |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 k HiSpdVDAuthority Uls f32 | 0 |
| k HwTgMgnThd HwNm f32 | 1 |
| k LoSpdVDAuthority Uls f32 | 1 |
| k SrlHwAqVldTiThd mS u32 | 1385 |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 86.099985 |
| k TravelXCDeadband Uls f32 | 67.2399979 |
| k_TraveIXCHwAuthority_Uls_f32 | 0.136675 |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 2269150976 |
| target GetSystemTime mS u32 CurrentTime | 2659241984 |
| target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedT | |
| target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_Uls_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc | target_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph_f32 |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -818.409973 |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 1422.08105 |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | 5.80000019 |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | 1100 |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | 267.709991 |
| | |



| Name | Input Value | | |
|------------------------------------------------------------------|--------------|-----------------------|----------|
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 0 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | -573.409973 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | -4.5999999 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 1 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 135.139999 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 2659241984 | 2659241984 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 3796740682 | 3796740682 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 267.709991 | 267.709991 ± 0.0009 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 267.709991 | 267.709991 ± 0.0009 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 2553156835 | 2553156835 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 3796740682 | 3796740682 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 267.709991 | 267.709991 ± 0.0009 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 267.709991 | 267.709991 ± 0.0009 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 2553156835 | 2553156835 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 3796740682 | 3796740682 | • |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 267.709991 | 267.709991 ± 0.0009 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 267.709991 | 267.709991 ± 0.0009 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | 1 | ✓ |
| VehDyn_MaxOffset_HwDeg_M_f32 | 1422.08105 | 1422.08105 | ✓ |
| VehDyn_MinOffset_HwDeg_M_f32 | -818.409973 | -818.409973 | ~ |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 7.79913568 | 7.79913568 ± 0.000009 | ~ |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 1050692864 | 1050692864 | ~ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 1 | 1 ± 0.004 | ~ |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | 1600 | 1600 ± 0.1 | ~ |

| T | | | | ✓ |
|----------------------------------------------------|-------|----------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | • |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | • |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | - |

| Test Step 2.247 (Repeat Count = 1) | ✓ |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|
| Name | Input Value |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| GetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 138.100006 |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 216.199997 |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 1.20000005 |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 86.1999969 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 10412 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 3277 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 2760420809 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 54822322 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -293.049988 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000850000011 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -293.049988 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000850000011 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 |



| Name | Input Value |
|------------------------------------------------------------------------|------------------------------------------------|
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| VehDyn AutoCntrHiSpd M str.MtrVel MtrRadpS f32 | 86.1999969 |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 166 |
| | |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 5.4000001 |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 41 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 12258 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 36416 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 2760420809 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 54822322 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -293.049988 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000638000027 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -293.049988 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000268000003 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 124.699997 |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 216.600006 |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 1.70000005 |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 88.599985 |
| VehDyn AutoCntrLoSpd M str.Timer1Thresh mS u16 | 53970 |
| VehDyn AutoCntrLoSpd M str.Timer2Thresh mS u16 | 52282 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 2760420809 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 54822322 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -293.049988 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 7.53999993e-005 |
| | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -293.049988 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000850000011 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 1 |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | -1000.09998 |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 |
| VehDyn_Initialize_Cnt_M_lgc | 0 |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 |
| VehDyn_MaxOffset_HwDeg_M_f32 | 868.357971 |
| VehDyn_MinOffset_HwDeg_M_f32 | -770.754028 |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 3.20000005 |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000422000012 |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.606999993 |
| VehDyn_SLPHwPos_HwDeg_M_f32 | -563.150024 |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 4294967295 |
| k HiSpdVDAuthority UIs f32 | 1 |
| k HwTqMgnThd HwNm f32 | 1.5 |
| k LoSpdVDAuthority UIs f32 | 0 |
| k SrlHwAqVldTiThd mS u32 | 744 |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 96.3000031 |
| k_TravelXCDeadband_Uls_f32 | 66.2099991 |
| k_TravelXCHwAuthority Uls f32 | 0.137899995 |
| - | |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 3533260288 |
| target_GetSystemTime_mS_u32_CurrentTime | 2942063360 |
| target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi | |
| target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_Uls_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc | target_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph_f32 |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -812.150024 |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 1416.51196 |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | 6 |
| ango on Dyn_r onnw ronduc_r within_loz.value | · · |



Name Input Value



| Name | Input Value |
|------------------------------------------------------------------------------|------------------------------------------------|
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000852000026 |
| VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32 | -627.179993 |
| | 0.00852000026 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 10 |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 226.399994 |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 8 |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 96.1999969 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 53970 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 52282 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 274107514 |
| VehDyn AutoCntrHiSpd M str.Timer2 mS u32 | 4004004656 |
| VehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32 | -627.179993 |
| · - · · | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000639999984 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -627.179993 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000272000005 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 98.8000031 |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 88.3000031 |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 10.8000002 |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 52.2999992 |
| VehDyn AutoCntrLoSpd M str.Timer1Thresh mS u16 | 38868 |
| | 57944 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 274107514 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 4004004656 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -627.179993 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 7.56000009e-005 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -627.179993 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000852000026 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| VehDyn ForceCenterEnabled Cnt M Igc | 1 |
| VehDyn ForceCenterOffset HwDeg M f32 | 0 |
| - , - | 0 |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | |
| VehDyn_Initialize_Cnt_M_lgc | 1 |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 |
| VehDyn_MaxOffset_HwDeg_M_f32 | 873.349976 |
| VehDyn_MinOffset_HwDeg_M_f32 | -764.070007 |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 7.80000019 |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.00042299999 |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.624000013 |
| VehDyn_SLPHwPos_HwDeg_M_f32 | -552.890015 |
| /ehDyn SrlHwAqVldTimer mS M u32 | 2554689 |
| K HiSpdVDAuthority Uls f32 | 1 |
| <pre><_niopuvbAationity_ois_i32</pre> <pre><_HwTqMgnThd_HwNm_f32</pre> | 9.19999981 |
| | |
| <_LoSpdVDAuthority_Uls_f32 | 0 |
| k_SrlHwAgVldTiThd_mS_u32 | 700 |
| <_SysKinRatio_MtrDegpHwDeg_f32 | 32.5 |
| <pre><_TravelXCDeadband_Uls_f32</pre> | 65.1800003 |
| x_TraveIXCHwAuthority_Uls_f32 | 0.139125004 |
| arget_DtrmnElapsedTime_mS_u32_ElapsedTime | 3714197504 |
| arget_GetSystemTime_mS_u32_CurrentTime | 2075080192 |
| arget_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_Elapse | dTi 3494315776 |
| arget_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTin | |
| arget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 |
| arget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 |
| | |
| arget_Rte_Inst_Ap_VehDyn_VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f32 |
| arget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 |
| arget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_Uls_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc | target_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc |
| | |



| | | (V | 12016ab |
|------------------------------------------------------------------|------------------------------|-----------------------|----------|
| Name | Input Value | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSp | peed_Kph_f32 | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -805.890015 | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 1410.94299 | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | 6.19999981 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | 1009.29999 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | -627.179993 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 1 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | -552.890015 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | 4.5999999 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 1 | | |
| target VehDyn Per1 VehicleSpeed Kph f32.value | 398.109985 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 | 1 | • |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 274107514 | 274107514 | • |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 4004004656 | 4004004656 | • |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -627.179993 | -627.179993 ± 0.0009 | • |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -627.179993 | -627.179993 ± 0.0009 | • |
| VehDyn AutoCntrDetSpd M str.Filter1Enable Cnt lgc | 1 | 1 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 2075080192 | 2075080192 | • |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 4004004656 | 4004004656 | • |
| VehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32 | -627.179993 | -627.179993 ± 0.0009 | • |
| VehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32 | -627.179993 | -627.179993 ± 0.0009 | - |
| VehDyn AutoCntrHiSpd M str.Filter1Enable Cnt lgc | 0 | 0 | • |
| VehDyn AutoCntrHiSpd M str.Filter2Enable Cnt lgc | 0 | 0 | - |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 2075080192 | 2075080192 | • |
| VehDyn AutoCntrLoSpd M str.Timer2 mS u32 | 4004004656 | 4004004656 | ~ |
| VehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32 | -627.179993 | -627.179993 ± 0.0009 | • |
| VehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32 | -627.179993 | -627.179993 ± 0.0009 | - |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | • |
| VehDyn AutoCntrLoSpd M str.Filter2Initialized Cnt Igc | 0 | 0 | |
| VehDyn HiSpdLearnt Cnt M Igc | 0 | 0 | • |
| VehDyn Initialize Cnt M Igc | 1 | 1 | • |
| VehDyn LoSpdLearnt Cnt M Igc | 0 | 0 | • |
| VehDyn_MaxOffset_HwDeg_M_f32 | 873.349976 | 873.349976 | • |
| VehDyn_MinOffset_HwDeg_M_f32 | -178.710022 | -178.710007 | • |
| VehDyn_PinTrqSV_M_str.SV_UIs_f32 | 7.79938316 | 7.79938316 ± 0.000009 | |
| , = 1: = =: : =: =: | | | |

| Τ | | | ✓ | |
|-------------------------------------------------------|-------|-------------------------------------------------------|----------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32 | 1 | • |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ✓ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | • |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |

2554689

-627.179993

2554689

1 ± 0.004

-627.179993 ± 0.1

| Test Step 2.249 (Repeat Count = 1) | |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|
| Name | Input Value |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| GetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 290.100006 |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 106.099998 |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 10.1000004 |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 54.0999985 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 13352 |

VehDyn_SrlHwAgVldTimer_mS_M_u32

target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value

target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value



| | (|
|-----------------------------------------------------------------------|------------------------------------------------|
| Name | Input Value |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 3277 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 383750110 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 2760420809 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1341.30005 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000982000027 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1341.30005 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000982000027 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 34.4000015 |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 96 |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 10.6000004 |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 78.8000031 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 20423 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 31368 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 383750110 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 2760420809 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1341.30005 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000782000017 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1341.30005 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000555999984 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 34.5 |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 136.5 |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 1.10000002 |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 32.5 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 26195 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 22037 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 383750110 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 2760420809 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1341.30005 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 7.78000031e-005 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1341.30005 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000982000027 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 1 |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | -201.399994 |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 |
| VehDyn_Initialize_Cnt_M_lgc | 1 |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 |
| VehDyn_MaxOffset_HwDeg_M_f32 | 1237.76599 |
| VehDyn_MinOffset_HwDeg_M_f32 | -450.390015 |
| VehDyn_PinTrqSV_M_str.SV_UIs_f32 | 14 |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000493999978 |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.0289999992 |
| VehDyn_SLPHwPos_HwDeg_M_f32 | 196.089996 |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 123 |
| k_HiSpdVDAuthority_Uls_f32 | 0 |
| k_HwTqMgnThd_HwNm_f32 | 0.00120000006 |
| k_LoSpdVDAuthority_Uls_f32 | 1 |
| k_SrlHwAgVldTiThd_mS_u32 | 90 |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 86.2099991 |
| k_TravelXCDeadband_Uls_f32 | 18.5900002 |
| k_TravelXCHwAuthority_Uls_f32 | 0.228550002 |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 0 |
| target_GetSystemTime_mS_u32_CurrentTime | 3304439296 |
| target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedT | |
| target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_Uls_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target VehDyn Per1 SensorlessHwPos HwDeg f32 |
| | |



| Name | Input Value | | |
|------------------------------------------------------------------|--------------------------------------|-------------------------------------------|----------|
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc | target_VehDyn_Per1_SrlHwAg\ | target VehDyn Per1 SrlHwAgVld Cnt Igc | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCi | target VehDyn Per1 TorqueCmdCRF MtrNm f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc | target_VehDyn_Per1_VehicleS | peedValid_Cnt_lgc | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleS | peed_Kph_f32 | |
| target VehDyn Per1 CcwEOT HwDeg f32.value | -376.869995 | | |
| target VehDyn Per1 CwEOT HwDeg f32.value | 1004.40601 | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | -2.53999996 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | -759.299988 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | 1341.30005 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 1 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | 411.549988 | | |
| target VehDyn Per1 TorqueCmdCRF MtrNm f32.value | 4.9000001 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 1 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 99.9899979 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 | 1 | |
| VehDyn AutoCntrDetSpd M str.Timer1 mS u32 | 383750110 | 383750110 | ~ |
| VehDyn AutoCntrDetSpd M str.Timer2 mS u32 | 2760420809 | 2760420809 | |
| VehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32 | 1341.30005 | 1341.30005 ± 0.009 | _ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1341.30005 | 1341.30005 ± 0.009 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | _ |
| VehDyn AutoCntrDetSpd M str.Filter2Enable Cnt lgc | 0 | 0 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_Igc | 1 | 1 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_Igc | 0 | 0 | |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 3304439296 | 3304439296 | _ |
| VehDyn AutoCntrHiSpd M str.Timer2 mS u32 | 2760420809 | 2760420809 | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1341.30005 | 1341.30005 ± 0.009 | _ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1341.30005 | 1341.30005 ± 0.009 | |
| VehDyn AutoCntrHiSpd M str.Filter1Enable Cnt Igc | 0 | 0 | _ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn AutoCntrHiSpd M str.Filter2Initialized Cnt Igc | 1 | 1 | |
| VehDyn AutoCntrLoSpd M str.Timer1 mS u32 | 3304439296 | 3304439296 | _ |
| VehDyn AutoCntrLoSpd M str.Timer2 mS u32 | 2760420809 | 2760420809 | |
| VehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32 | 1341.30005 | 1341.30005 ± 0.009 | _ |
| VehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32 | 1341.30005 | 1341.30005 ± 0.009 | _ |
| VehDyn AutoCntrLoSpd M str.Filter1Enable Cnt Igc | 0 | 0 | _ |
| VehDyn AutoCntrLoSpd M str.Filter2Enable Cnt Igc | 0 | 0 | _ |
| VehDyn AutoCntrLoSpd M str.Filter1Initialized Cnt Igc | 1 | 1 | _ |
| VehDyn AutoCntrLoSpd M str.Filter2Initialized Cnt Igc | 1 | 1 | |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 | 1 | _ |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 | 0 | |
| VehDyn MaxOffset HwDeg M f32 | -336.894043 | -336.894012 | |
| VehDyn_MinOffset_HwDeg_M_f32 | -450.390015 | -450.390015 | |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 13.9918575 | 13.9918575 ± 0.00009 | |
| VehDyn_SrlHwAgVIdTimer_mS_M_u32 | 123 | 123 | |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 1 | 1 ± 0.004 | |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | 1542.70007 | 1542.69995 ± 0.1 | - |

| Τ | | | ✓ | |
|----------------------------------------------------|-------|----------------------------------------------------|----------|--------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | • |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | • |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |

| Test Step 2.250 (Repeat Count = 1) | |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|
| Name | Input Value |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| GetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 604.700012 |



| | (|
|------------------------------------------------------------------------|--------------------------------------|
| Name | Input Value |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 116.699997 |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 12.699998 |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 85.699969 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 21364 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 22497 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 2967684784 |
| VehDyn AutoCntrDetSpd M str.Timer2 mS u32 | 2967684784 |
| | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1134.75 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000984000042 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1134.75 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000984000042 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 2.53999996 |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 106.599998 |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 2.65400004 |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 96.5999985 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 7034 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 39056 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 2967684784 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 2967684784 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1134.75 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000783999974 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1134.75 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000560000015 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 2.5999999 |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 146.600006 |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 7 |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 52.5999985 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 43190 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 3186 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 2967684784 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 2967684784 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1134.75 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 7.79999973e-005 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1134.75 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000984000042 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 1 |
| VehDyn ForceCenterOffset HwDeg M f32 | -101.489998 |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 |
| VehDyn Initialize Cnt M Igc | 0 |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 |
| VehDyn_MaxOffset_HwDeg_M_f32 | 1242.75806 |
| VehDyn MinOffset HwDeg M f32 | -457.109985 |
| VenDyn_PinTrqSV_M_str.SV_Uls_f32 | 8.8999962 |
| VenDyn_PinTrqSV_M_str.Sv_Ois_i32 VenDyn_PinTrqSV_M_str.K_Uls_f32 | |
| · - · | 0.000494999986 |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.0099999978 |
| VehDyn_SLPHwPos_HwDeg_M_f32 | 206.350006 |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 54689 |
| k_HiSpdVDAuthority_Uls_f32 | 1 |
| k_HwTqMgnThd_HwNm_f32 | 1.10000002 |
| k_LoSpdVDAuthority_UIs_f32 | 0 |
| k_SrlHwAgVldTiThd_mS_u32 | 70 |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 56.2999992 |
| k_TravelXCDeadband_Uls_f32 | 20.1599998 |
| k_TravelXCHwAuthority_Uls_f32 | 0.229774997 |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 4294967295 |
| target_GetSystemTime_mS_u32_CurrentTime | 2167769344 |
| target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedTi | 3437401088 |
| target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f32 |
| goto_mot_np_vonDyn.vonDyn_i ori_nwroique_nwivin_ioz | wagotonDyn_ron_naroiquo_narani_ioz |



| Name | Input Value |
|-------------------------------------------------------------------|------------------------------------------------|
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_Uls_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc | target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph_f32 |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -384.589996 |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 998.836975 |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | -2.6500001 |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | -759.549988 |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | -1134.75 |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 0 |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | 421.809998 |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | 7.9000001 |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 0 |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 87.7699966 |



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|----------------------------------------------------------------------|-------------------------------------|
| Name | Input Value |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 554.700012 |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 126.699997 |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 14.6999998 |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 96.6999969 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 33198 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 27074 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 3174948758 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 3174948758 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1362.80005 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000986000057 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1362.80005 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000986000057 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 120.599998 |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 116 |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 4.5 |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 32.0999985 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 25532 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 27401 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 3174948758 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 3174948758 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1362.80005 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.00078599999 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1362.80005 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000563999987 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 120 |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 156 |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 13.6000004 |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 10 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 30404 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 30349 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 3174948758 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 3174948758 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1362.80005 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 7.81999988e-005 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1362.80005 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000986000057 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 1 |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | -1.58000004 |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 |
| VehDyn_Initialize_Cnt_M_lgc | 0 |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 |
| VehDyn_MaxOffset_HwDeg_M_f32 | -1247.75 |
| VehDyn_MinOffset_HwDeg_M_f32 | -463.829987 |
| VehDyn_PinTrqSV_M_str.SV_UIs_f32 | 13.8999996 |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000495999993 |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.0189999994 |
| VehDyn_SLPHwPos_HwDeg_M_f32 | 216.610001 |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 7858 |
| k_HiSpdVDAuthority_UIs_f32 | 0 |
| k_HwTqMgnThd_HwNm_f32 | 2.0999999 |
| k_LoSpdVDAuthority_Uls_f32 | 1 |
| k_SrlHwAgVldTiThd_mS_u32 | 456 |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 54.3100014 |
| k_TravelXCDeadband_Uls_f32 | 21.7299995 |
| k_TravelXCHwAuthority_Uls_f32 | 0.231000006 |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 255468 |
| target_GetSystemTime_mS_u32_CurrentTime | 3714197504 |
| target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_Elapse | dTi 3494315776 |
| target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTir | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 |
| | |



| Name | Input Value | | |
|-------------------------------------------------------------------|---------------------------------|----------------------|----------|
| arget_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwD | eg_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_Hv | vNm_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF | _MtrRadpS_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_Hv | wDeg_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAu | thority_Uls_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHw | /Pos_HwDeg_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc | target_VehDyn_Per1_SrlHwAgVld_0 | Ont_lgc | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_Hw[| Deg_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCl | RF_MtrNm_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc | target_VehDyn_Per1_VehicleSpeed | Valid_Cnt_lgc | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed | _Kph_f32 | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -392.309998 | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 993.268005 | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | -2.75999999 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | -835.400024 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | 1362.80005 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 0 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | 432.070007 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | -1.79999995 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 1 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 127 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn AutoCntrDetSpd M str.Timer1 mS u32 | 3174948758 | 3174948758 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 3174948758 | 3174948758 | ✓ |
| VehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32 | 1362.80005 | 1362.80005 ± 0.009 | ✓ |
| VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32 | 1362.80005 | 1362.80005 ± 0.009 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 3714197504 | 3714197504 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 3174948758 | 3174948758 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1362.80005 | 1362.80005 ± 0.009 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1362.80005 | 1362.80005 ± 0.009 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | · |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 3714197504 | 3714197504 | · |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 3174948758 | 3174948758 | • |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1362.80005 | 1362.80005 ± 0.009 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1362.80005 | 1362.80005 ± 0.009 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | · |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | • |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 | 1 | • |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | • |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 | 0 | ✓ |
| VehDyn_MaxOffset_HwDeg_M_f32 | 993.268005 | 993.268005 | • |
| VehDyn_MinOffset_HwDeg_M_f32 | -392.309998 | -392.309998 | ✓ |
| VehDyn_PinTrqSV_M_str.SV_UIs_f32 | 13.8917198 | 13.8917198 ± 0.00009 | ~ |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 7858 | 7858 | ✓ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 1 | 1 ± 0.004 | ~ |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | 1364.38 | 1364.38 ± 0.1 | ✓ |

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|----------------------------------------------------|-------|----------------------------------------------------|-------|--------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |

| Test Step 2.252 (Repeat Count = 1) | ✓ |
|--------------------------------------|--------------------------------------------|
| Name | Input Value |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |



| Name | Input Value |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|
| GetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 290.100006 |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 106.099998 |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 10.1000004 |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 54.099985 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 13352 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 3277 |
| VehDyn AutoCntrDetSpd M str.Timer1 mS u32 | 383750110 |
| /ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 2760420809 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1259.69995 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000987999956 |
| VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32 | 1259.69995 |
| /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000987999956 |
| /ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| | 0 |
| /ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| /ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | · · |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| /ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 34.099985 |
| /ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 96.099985 |
| /ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 10.6000004 |
| /ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 78 |
| /ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 20423 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 31368 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 383750110 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 2760420809 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1259.69995 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000788000005 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1259.69995 |
| VehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32 | 0.000568000018 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 34.7000008 |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 136.600006 |
| | 1 |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 32.7000008 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 26195 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 22037 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 383750110 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 2760420809 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1259.69995 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 7.84000003e-005 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1259.69995 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000987999956 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| /ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| /ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| /ehDyn_ForceCenterEnabled_Cnt_M_lgc | 1 |
| /ehDyn_ForceCenterOffset_HwDeg_M_f32 | 98.3300018 |
| /ehDyn_HiSpdLearnt_Cnt_M_lgc | 0 |
| VehDyn_Initialize_Cnt_M_lgc | 1 |
| /ehDyn_LoSpdLearnt_Cnt_M_lgc | 0 |
| /ehDyn MaxOffset HwDeg M f32 | 1252.74194 |
| /ehDyn_MinOffset HwDeg_M_132 | -470.549988 |
| /ehDyn_PinTrqSV_M_str.SV_UIs_f32 | 14 |
| | |
| /ehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000497000001 |
| /ehDyn_SLPHwAuth_Uls_M_f32 | 0.0280000009 |
| /ehDyn_SLPHwPos_HwDeg_M_f32 | 226.869995 |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 1363529728 |
| k_HiSpdVDAuthority_Uls_f32 | 0 |
| k_HwTqMgnThd_HwNm_f32 | 3.0999999 |
| k_LoSpdVDAuthority_Uls_f32 | 1 |
| k_SrlHwAgVldTiThd_mS_u32 | 3229 |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 86.3099976 |
| k_TravelXCDeadband_Uls_f32 | 23.2999992 |
| k TravelXCHwAuthority Uls f32 | 0.232225001 |
| K_TTAVEIXET IW Iditionity_616_162 | |



| | | | 1-4 |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|----------------------|----------|
| Name | Input Value | | |
| target_GetSystemTime_mS_u32_CurrentTime | 0 | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTi | 463842816 | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime | 333 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRad | pS_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f3. | 2 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_U | lls_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_Hw | Deg_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_MtrN | m_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc | target_VehDyn_Per1_VehicleSpeedValid_Cr | nt_lgc | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph_f3 | 2 | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -400.029999 | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 987.698975 | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | -2.86999989 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | -759 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | 1259.69995 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 1 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | 442.329987 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | 4.9000001 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 1 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 99.9869995 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 383750110 | 383750110 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 2760420809 | 2760420809 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1259.69995 | 1259.69995 ± 0.009 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1259.69995 | 1259.69995 ± 0.009 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 0 | 0 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 2760420809 | 2760420809 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1259.69995 | 1259.69995 ± 0.009 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1259.69995 | 1259.69995 ± 0.009 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 2760420809 | 2760420809 | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1259.69995 | 1259.69995 ± 0.009 | Y |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1259.69995 | 1259.69995 ± 0.009 | Y |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | V |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | Y |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 | 1 | V |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | V |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 | 0 | |
| VehDyn_MaxOffset_HwDeg_M_f32 | -272.000977 | -272.001007 | V |
| VehDyn_MinOffset_HwDeg_M_f32 | -470.549988 | -470.549988 | · · |
| VehDyn_PinTrqSV_M_str.SV_UIs_f32 | 13.9916439 | 13.9916439 ± 0.00009 | |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 1363529728 | 1363529728 | Y |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 1 | 1 ± 0.004 | V |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | 1161.37 | 1161.37 ± 0.1 | ✓ |

| T | | | | |
|-------------------------------------------------------|-------|-------------------------------------------------------|-------|--------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |



| est Step 2.253 (Repeat Count = 1) ame | Input Value |
|-------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|
| trmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| etSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| te_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| te_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| te_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 |
| ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 604.200012 |
| ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 116.199997 |
| ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 12.3000002 |
| ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 85.3000031 |
| ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 21364 |
| ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 22497 |
| ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 2967684784 |
| ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 2967684784 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1593.90002 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000989999971 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1593.90002 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000989999971 |
| ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| | 1 |
| ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| enDyn_AutoCntrDetSpd_M_str.Filtet2filitialized_Cnt_igc ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 2.4000001 |
| enDyn_AutoCntrnispd_m_str.wirver_mirRadps_isz ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 106.599998 |
| enDyn_AutoCntrnispa_m_str.venspa_kpri_isz ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 2.0999999 |
| ehDyn AutoCntrHiSpd M str.CntrWindow HwDeg f32 | 96.4000015 |
| ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 7034 |
| ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 39056 |
| ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 2967684784 |
| ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 2967684784 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1593.90002 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.00079000002 |
| ehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32 | -1593.90002 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.00057199999 |
| ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 2.4000001 |
| ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 146.699997 |
| ehDyn AutoCntrLoSpd M str.FiltPinTrg HwNm f32 | 7.6999981 |
| ehDyn AutoCntrLoSpd M str.CntrWindow HwDeg f32 | 52 |
| ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 43190 |
| ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 3186 |
| ehDyn AutoCntrLoSpd M str.Timer1 mS u32 | 2967684784 |
| ehDyn AutoCntrLoSpd M str.Timer2 mS u32 | 2967684784 |
| ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1593.90002 |
| ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 7.86000019e-005 |
| ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1593.90002 |
| ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000989999971 |
| ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| ehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| hDyn_ForceCenterEnabled_Cnt_M_lgc | 1 |
| ehDyn_ForceCenterOffset_HwDeg_M_f32 | 198.240005 |
| hDyn_HiSpdLearnt_Cnt_M_lgc | 1 |
| ehDyn_Initialize_Cnt_M_lgc | 1 |
| hDyn_LoSpdLearnt_Cnt_M_lgc | 1 |
| hDyn_MaxOffset_HwDeg_M_f32 | 1257.73401 |
| ehDyn_MinOffset_HwDeg_M_f32 | -477.269989 |
| ehDyn_PinTrqSV_M_str.SV_Uls_f32 | 8.89999962 |
| ehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000498000009 |
| ehDyn_SLPHwAuth_Uls_M_f32 | 0.0370000005 |
| ehDyn_SLPHwPos_HwDeg_M_f32 | 237.130005 |
| ehDyn_SrlHwAgVldTimer_mS_M_u32 | 1243638656 |
| HiSpdVDAuthority_Uls_f32 | 1 |
| | 4.099999 |
| LoSpdVDAuthority_Uls_f32 | 0 |
| SrlHwAgVldTiThd_mS_u32 | 987 |
| | |



| Name | Input Value | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|-------------------------------------|----------|
| k_TravelXCDeadband_Uls_f32 | 24.8700008 | | |
| k_TravelXCHwAuthority_Uls_f32 | 0.233449996 | | |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 3714197504 | | |
| target_GetSystemTime_mS_u32_CurrentTime | 4294967295 | | |
| $target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTim$ | | | |
| $target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime$ | | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRac | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f3 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_UIs_f32 | target_VehDyn_Per1_SensorlessAuthority_U | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_Hv | vDeg_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc | target_VehDyn_Per1_TorqueCmdCRF_MtrN target_VehDyn_Per1_VehicleSpeedValid_C | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph_f3 | | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -407.75 | , <u>c</u> | |
| target_venDyn_Fer1_cwEOT_hwDeg_f32.value | 982.130005 | | |
| target VehDyn Per1 HwTorque HwNm f32.value | -2.98000002 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | 1009.29999 | | |
| target VehDyn Per1 RelHwPos HwDeg f32.value | -1593.90002 | | |
| target VehDyn Per1 SrlHwAgVld Cnt Igc.value | 1 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | 452.589996 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | 7.9000001 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 0 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 87.7699966 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 | 1 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 2967684784 | 2967684784 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 2967684784 | 2967684784 | - |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1593.90002 | -1593.90002 ± 0.009 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1593.90002 | -1593.90002 ± 0.009 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 4294967295 | 4294967295 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 2967684784 | 2967684784 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1593.90002 | -1593.90002 ± 0.009 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1593.90002 | -1593.90002 ± 0.009 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 2967684784 | 2967684784 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 2967684784 | 2967684784 | - |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1593.90002 | -1593.90002 ± 0.009 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1593.90002 | -1593.90002 ± 0.009 | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | - |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 | 1 | |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | ✓ |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | 1 | ✓ |
| VehDyn_MaxOffset_HwDeg_M_f32 | 1257.73401 | 1257.73401 | ~ |
| VehDyn_BinTreSV_M_etr_SV_Ulle_f22 | 1186.15002 | 1186.15002 | - J |
| VehDyn_PinTrqSV_M_str.SV_UIs_f32 | 8.89415359 1243638656 | 8.89415359 ± 0.000009 1243638656 | Ž |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 target VehDyn Per1 SensorlessAuthority Uls f32.value | 1243638656 | 1243638656 1 ± 0.004 | Ž |
| target_venDyn_Per1_SensoriessAuthority_Uis_132.value target_VehDyn_Per1_SensoriessHwPos_HwDeg_f32.value | -1600 | 1 ± 0.004 -1600 ± 0.1 | |
| target_venDyII_Fer I_serisoriessi iwFos_fiwDeg_isz.value | -1000 | -1000 I 0.1 | |

| T | | | | |
|-------------------------------------------------------|-------|-------------------------------------------------------|-------|--------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32 | 1 | • |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | • |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |



| ime | Input Value |
|---------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|
| mnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| tSystemTime mS u32(CurrentTime) | target GetSystemTime mS u32 CurrentTime |
| e Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| e_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| e_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| hDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 |
| hDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 554.200012 |
| hDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 126.199997 |
| hDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 14.1999998 |
| hDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 96.1999969 |
| hDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 33198 |
| hDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 27074 |
| hDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 3174948758 |
| hDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 3174948758 |
| hDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1600 |
| hDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000991999987 |
| hDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1600 |
| hDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000991999987 |
| hDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| hDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| hDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| hDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| hDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 120.599998 |
| hDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 116.099998 |
| hDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 4.099999 |
| hDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 32.4000015 |
| hDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 25532 |
| hDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 27401 |
| hDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 3174948758 |
| hDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 3174948758 |
| hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 | -1600 |
| hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000791999977 |
| hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 | -1600 |
| hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.00057600002 |
| hDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| hDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| hDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc hDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| hDyn_AutoCntrHospd_M_str.MtrVel_MtrRadpS_f32 | 120.699997 |
| hDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 156 |
| hDyn AutoCntrLoSpd M str.FiltPinTrg HwNm f32 | 13.6999998 |
| hDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 10.6999998 |
| hDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 30404 |
| hDyn AutoCntrLoSpd M str.Timer2Thresh mS u16 | 30349 |
| hDyn AutoCntrLoSpd M str.Timer1 mS u32 | 3174948758 |
| hDyn AutoCntrLoSpd M str.Timer2 mS u32 | 3174948758 |
| hDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1600 |
| hDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32 | 7.88000034e-005 |
| hDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1600 |
| hDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.00091999987 |
| hDyn AutoCntrLoSpd M str.Filter1Enable Cnt lgc | 0 |
| hDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| hDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| hDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| hDyn_ForceCenterEnabled_Cnt_M_lgc | 1 |
| hDyn_ForceCenterOffset_HwDeg_M_f32 | 298.149994 |
| hDyn_HiSpdLearnt_Cnt_M_lgc | 0 |
| hDyn_Initialize_Cnt_M_lgc | 0 |
| hDyn_LoSpdLearnt_Cnt_M_lgc | 0 |
| Dyn_MaxOffset_HwDeg_M_f32 | 1262.72595 |
| hDyn_MinOffset_HwDeg_M_f32 | -483.98999 |
| hDyn_PinTrqSV_M_str.SV_UIs_f32 | 13.8999996 |
| hDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000499000016 |
| hDyn_SLPHwAuth_Uls_M_f32 | 0.0460000001 |
| hDyn_SLPHwPos_HwDeg_M_f32 | 247.389999 |
| hDyn_SrlHwAgVldTimer_mS_M_u32 | 89763 |
| HiSpdVDAuthority_Uls_f32 | 0 |
| ilispuvDAutilority_ols_i32 | |
| HwTqMgnThd_HwNm_f32 | 1 |



| Name | Input Value | | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| k_SysKinRatio_MtrDegpHwDeg_f32 | 54.2099991 | | |
| k TravelXCDeadband Uls f32 | 26.4400005 | | |
| | 0.234675005 | | |
| k_TravelXCHwAuthority_UIs_f32 target DtrmnElapsedTime mS u32 ElapsedTime | 3323480832 | | |
| | 555468 | | |
| target_GetSystemTime_mS_u32_CurrentTime target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedT | | | |
| | | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 | | |
| target Rte Inst Ap VehDyn.VehDyn Per1 CwEOT HwDeg f32 | | | |
| | target_VehDyn_Per1_CwEOT_HwDeg_f32 | າ | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_HwTorque_HwNm_f3 target_VehDyn_Per1_MotorVelCRF_MtrRac | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f3 | | |
| target Rte Inst Ap VehDyn.VehDyn Per1 SensorlessAuthority Uls f32 | target_VehDyn_Per1_SensorlessAuthority_ | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_Hv | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc | WDeg_132 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_Mtrl | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc | target_VehDyn_Per1_VehicleSpeedValid_C | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph_f3 | | |
| target VehDyn Per1 CcwEOT HwDeg f32.value | -415.470001 | , <u>. </u> | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 976.560974 | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | -3.08999991 | | |
| target VehDyn Per1 MotorVelCRF MtrRadpS f32.value | -835 | | |
| | -1600 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 0 | | |
| target VehDyn Per1 SrlHwAg HwDeg f32.value | 339.730011 | | |
| target VehDyn Per1 TorqueCmdCRF MtrNm f32.value | -1.79999995 | | |
| target VehDyn Per1 VehicleSpeedValid Cnt Igc.value | 1 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 127 | | |
| Name | | Evaceted Value | Result |
| | Actual Value | Expected Value | Result |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | | | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 3174948758 3174948758 | 3174948758 3174948758 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 3174946736 | | _ |
| VobDun AutoCatrDotCad M. otr Boll-wBoo-Filt16V/ HwDog otr 6V/ Illo f22 | 1600 | | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDog_str.SV_Uls_f32 | -1600 | -1600 ± 0.009 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1600 | -1600 ± 0.009 -1600 ± 0.009 | - |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | -1600 1 | -1600 ± 0.009 -1600 ± 0.009 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | -1600 1 0 | -1600 ± 0.009 -1600 ± 0.009 1 | • |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | -1600 1 0 1 | -1600 ± 0.009 -1600 ± 0.009 1 0 | • |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | -1600 1 0 1 | -1600 ± 0.009 -1600 ± 0.009 1 0 1 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | -1600 1 0 1 0 555468 | -1600 ± 0.009 -1600 ± 0.009 1 0 1 0 555468 | 0 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | -1600 1 0 1 0 555468 3174948758 | -1600 ± 0.009 -1600 ± 0.009 1 0 1 0 555468 3174948758 | 0 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1600 1 0 1 0 555468 3174948758 -1600 | -1600 ± 0.009 -1600 ± 0.009 1 0 1 0 555468 3174948758 -1600 ± 0.009 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1600 1 0 1 0 555468 3174948758 -1600 | -1600 ± 0.009 -1600 ± 0.009 1 0 1 0 555468 3174948758 -1600 ± 0.009 -1600 ± 0.009 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | -1600 1 0 1 0 555468 3174948758 -1600 -1600 | -1600 ± 0.009 -1600 ± 0.009 1 0 1 0 555468 3174948758 -1600 ± 0.009 -1600 ± 0.009 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | -1600 1 0 1 0 555468 3174948758 -1600 -1600 0 | -1600 ± 0.009 -1600 ± 0.009 1 0 1 0 555468 3174948758 -1600 ± 0.009 -1600 ± 0.009 0 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | -1600 1 0 1 0 555468 3174948758 -1600 -1600 0 1 | -1600 ± 0.009 -1600 ± 0.009 1 0 1 0 555468 3174948758 -1600 ± 0.009 -1600 ± 0.009 0 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | -1600 1 0 1 0 555468 3174948758 -1600 -1600 0 1 | -1600 ± 0.009 -1600 ± 0.009 1 0 1 0 555468 3174948758 -1600 ± 0.009 -1600 ± 0.009 0 1 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | -1600 1 0 1 0 555468 3174948758 -1600 -1600 0 1 0 1 555468 | -1600 ± 0.009 -1600 ± 0.009 1 0 1 0 555468 3174948758 -1600 ± 0.009 -1600 ± 0.009 0 1 0 1 555468 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | -1600 1 0 1 0 555468 3174948758 -1600 -1600 0 1 0 1 555468 3174948758 | -1600 ± 0.009 -1600 ± 0.009 1 0 1 0 555468 3174948758 -1600 ± 0.009 -1600 ± 0.009 0 1 0 1 555468 3174948758 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1600 1 0 1 0 555468 3174948758 -1600 0 1 0 1 555468 3174948758 -1600 | -1600 ± 0.009 -1600 ± 0.009 1 0 1 0 555468 3174948758 -1600 ± 0.009 0 1 0 1 555468 3174948758 -1600 ± 0.009 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Fiiter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Fiiter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Fiiter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Fiiter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Fiiter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Fiiter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Fiiter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Fiiter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Fiiter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFiit1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFiit1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFiit1SV_HwDeg_str.SV_Uls_f32 | -1600 1 0 1 0 555468 3174948758 -1600 -1600 0 1 555468 3174948758 -1600 -1600 -1600 | -1600 ± 0.009 -1600 ± 0.009 1 0 1 0 555468 3174948758 -1600 ± 0.009 0 1 0 1 555468 3174948758 -1600 ± 0.009 -1600 ± 0.009 -1600 ± 0.009 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | -1600 1 0 1 0 555468 3174948758 -1600 -1600 0 1 555468 3174948758 -1600 -1600 0 0 | -1600 ± 0.009 -1600 ± 0.009 1 0 1 0 555468 3174948758 -1600 ± 0.009 0 1 0 1 555468 3174948758 -1600 ± 0.009 0 1 0 1 555468 3174948758 -1600 ± 0.009 -1600 ± 0.009 | |
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| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | -1600 1 0 1 0 1 0 555468 3174948758 -1600 -1600 0 1 1 0 1 1 555468 3174948758 -1600 -1600 0 1 1 1 1 1 1 1 1 1 1 1 976.560974 | -1600 ± 0.009 -1600 ± 0.009 1 0 1 0 555468 3174948758 -1600 ± 0.009 0 1 0 1 555468 3174948758 -1600 ± 0.009 0 1 1 1 1 1 1 1 1 1 1 1 1 976.560974 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32 | -1600 1 0 1 0 1 0 555468 3174948758 -1600 -1600 0 1 0 1 1 555468 3174948758 -1600 -1600 0 1 1 1 1 1 1 1 1 1 1 1 0 976.560974 -415.470001 | -1600 ± 0.009 -1600 ± 0.009 1 0 1 0 555468 3174948758 -1600 ± 0.009 0 1 0 1 1 555468 3174948758 -1600 ± 0.009 0 1 1 1 1 1 1 1 1 1 1 0 976.560974 -415.470001 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFiit2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFiit1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFiit1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFiit1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFiit1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32 VehDyn_PinTrqSV_M_str.SV_Uls_f32 | -1600 1 0 1 0 1 0 555468 3174948758 -1600 -1600 0 1 0 1 1 555468 3174948758 -1600 -1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | -1600 ± 0.009 -1600 ± 0.009 1 0 1 0 555468 3174948758 -1600 ± 0.009 -1600 ± 0.009 0 1 1 0 1 1 555468 3174948758 -1600 ± 0.009 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | -1600 1 0 1 0 1 0 555468 3174948758 -1600 -1600 0 1 0 1 1 555468 3174948758 -1600 -1600 0 1 1 1 1 1 1 1 1 1 1 1 0 976.560974 -415.470001 | -1600 ± 0.009 -1600 ± 0.009 1 0 1 0 555468 3174948758 -1600 ± 0.009 0 1 0 1 1 555468 3174948758 -1600 ± 0.009 0 1 1 1 1 1 1 1 1 1 1 0 976.560974 -415.470001 | |



| Т | | | | |
|----------------------------------------------------|-------|----------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |

| est Step 2.255 (Repeat Count = 1) ame | Input Value |
|-------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
| | |
| trmnElapsedTime_mS_u32(ElapsedTime) etSystemTime mS_u32(CurrentTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime target_GetSystemTime_mS_u32_CurrentTime |
| | |
| te_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| te_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| te_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 0 |
| ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 200.399994 |
| ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 166.399994 |
| ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 8.3999962 |
| ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 41.4000015 |
| ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 25496 |
| ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 0 |
| ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 109643620 |
| ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 4004004656 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1123.40002 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000899999985 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1123.40002 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000899999985 |
| ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 580.5 |
| ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 126 |
| ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 5.19999981 |
| ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 96 |
| ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 37799 |
| ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 41632 |
| ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 109643620 |
| ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 4004004656 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1123.40002 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000699999975 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1123.40002 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000391999987 |
| ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1. |
| ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 580.299988 |
| ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 156.300003 |
| ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 2.29999995 |
| ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 42.2999992 |
| ehDyn AutoCntrLoSpd M str.Timer1Thresh mS u16 | 16683 |
| ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 22497 |
| ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 109643620 |
| ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 4004004656 |
| ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1123.40002 |
| ehDyn AutoCntrLoSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32 | 6.95999988e-005 |
| ehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32 | 1123.40002 |
| hDyn_AutoCntrLoSpd_M_str.ReiHwPosFilt2SV_HwDeg_str.Sv_Uis_i32 | 0.00089999985 |
| ehDyn AutoCnttLoSpd M str.Filter1Enable Cnt lgc | 1 |
| enDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_igc ehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_igc | |
| , = | 0 0 |
| ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | |
| ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| ehDyn_ForceCenterEnabled_Cnt_M_lgc | 0 |
| ehDyn_ForceCenterOffset_HwDeg_M_f32 ehDyn_HiSpdLearnt_Cnt_M_lgc | -1300.41003 1 |
| | |



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|------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|------------------------------------------|---------|
| Name | Input Value | | |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | | |
| VehDyn_MaxOffset_HwDeg_M_f32 | -1023.10999 | | |
| VehDyn_MinOffset_HwDeg_M_f32 | -563.549988 | | |
| VehDyn_PinTrqSV_M_str.SV_UIs_f32 | 6.3000019 | | |
| VehDyn_PinTrqSV_M_str.K_UIs_f32 | 0.000452999986 | | |
| VehDyn_SLPHwAuth_UIs_M_f32 VehDyn SLPHwPos HwDeg M f32 | 0.846000016 -245.089996 | | |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 2075080192 | | |
| k_HiSpdVDAuthority_UIs_f32 | 0 | | |
| k_HwTqMgnThd_HwNm_f32 | 4.0999999 | | |
| k_LoSpdVDAuthority_UIs_f32 | 1 | | |
| k_SrlHwAgVldTiThd_mS_u32 | 1000 | | |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 32.2999992 | | |
| k_TravelXCDeadband_Uls_f32 | 34.2799988 | | |
| k_TravelXCHwAuthority_Uls_f32 | 0.175874993 | | |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 4077829376 | | |
| target_GetSystemTime_mS_u32_CurrentTime | 1050692864 | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedT | | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 | | |
| target_Rte_inst_Ap_vehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target VehDyn Per1 HwTorque HwNm f32 | 2 | |
| target Rte Inst Ap VehDyn.VehDyn Per1 MotorVelCRF MtrRadpS f32 | target_VehDyn_Per1_MotorVelCRF_MtrRad | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f3 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_U | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_Hv | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_MtrN | lm_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc | target_VehDyn_Per1_VehicleSpeedValid_C | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph_f3 | 2 | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -618.090027 | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 1243.87305 | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | -4.4000001 -759.840027 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | 1123.40002 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 0 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | -245.089996 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | 1.5 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 1 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 500.980011 | | |
| Name | Actual Value | Expected Value | Resul |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 0 | 0 | • |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 1050692864 | 1050692864 | • |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 4004004656 | 4004004656 | • |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1123.40002 | 1123.40002 ± 0.009 1123.40002 ± 0.009 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1123.40002 | 1123.40002 ± 0.009 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | |
| VehDyn AutoCntrDetSpd M str.Filter2Initialized Cnt Igc | 1 | 1 | |
| VehDyn AutoCntrHiSpd M str.Timer1 mS u32 | 109643620 | 109643620 | |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 4004004656 | 4004004656 | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1123.40002 | 1123.40002 ± 0.009 | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1123.40002 | 1123.40002 ± 0.009 | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 109643620 | 109643620 | |
| VehDyn_AutoCntrl oSpd_M_str.Timer2_mS_u32 | 4004004656 | 4004004656 | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1123.40002 1123.40002 | 1123.40002 ± 0.009 1123.40002 ± 0.009 | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 | 1 | |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | 1 | , |
| VehDyn_MaxOffset_HwDeg_M_f32 | 1243.87305 | 1243.87305 | • |
| VehDyn_MinOffset_HwDeg_M_f32 | -618.090027 | -618.090027 | , |
| VehDyn_PinTrqSV_M_str.SV_UIs_f32 | 6.29517412 | 6.29517412 ± 0.000009 | • |



| Name | Actual Value | Expected Value | Result |
|------------------------------------------------------|--------------|---------------------|----------|
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 2075080192 | 2075080192 | * |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 0.846000016 | 0.846000016 ± 0.004 | ~ |
| target VehDyn Per1 SensorlessHwPos HwDeg f32.value | 878.310059 | 878.309998 ± 0.1 | ✓ |

| Т | | | | ✓ |
|----------------------------------------------------|-------|----------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |

| Test Step 2.256 (Repeat Count = 1) | |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|
| Name | Input Value |
| OtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| GetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| /ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 |
| /ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 700 |
| /ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 255 |
| /ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 20 |
| /ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 100 |
| /ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 60000 |
| /ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 60000 |
| /ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 4294967295 |
| /ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 4294967295 |
| /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1600 |
| /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.00125584786 |
| /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1600 |
| /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.00125584786 |
| /ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| /ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1. |
| /ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_Igc | 1 |
| /ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| /ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 700 |
| /ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 255 |
| /ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 20 |
| /ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 100 |
| /ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 60000 |
| /ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 60000 |
| /ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 4294967295 |
| /ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 4294967295 |
| /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1600 |
| /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.00125584786 |
| /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1600 |
| /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.00125584786 |
| /ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| /ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| /ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| /ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| /ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 700 |
| /ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 255 |
| /ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 20 |
| /ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 100 |
| /ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 60000 |
| /ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 60000 |
| /ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 4294967295 |
| /ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 4294967295 |
| /ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1600 |
| /ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.00125584786 |
| /ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1600 |
| /ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.00125584786 |
| /ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| /ehDyn AutoCntrLoSpd M str.Filter2Enable Cnt lgc | 1 |
| /ehDyn AutoCntrLoSpd M str.Filter1Initialized Cnt lgc | 1 |
| /ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_Igc | 1 |
| /ehDyn_ForceCenterEnabled_Cnt_M_lgc | 1 |
| /ehDyn ForceCenterOffset HwDeg M f32 | 1600 |



| | | (, | 0-10 |
|-------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|----------------------------|----------|
| Name | Input Value | | |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 | | |
| VehDyn_Initialize_Cnt_M_lgc | 1 | | |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | | |
| VehDyn_MaxOffset_HwDeg_M_f32 | 1440.10999 | | |
| VehDyn_MinOffset_HwDeg_M_f32 VehDyn_PinTrqSV_M_str.SV_UIs_f32 | 2840 18.7999992 | | |
| VehDyn PinTrqSV M str.K Uls f32 | 0.00125584786 | | |
| VehDyn_SLPHwAuth_Uls_M_f32 | 1 | | |
| VehDyn_SLPHwPos_HwDeg_M_f32 | 1600 | | |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 4294967295 | | |
| k_HiSpdVDAuthority_UIs_f32 | 1 | | |
| k_HwTqMgnThd_HwNm_f32 | 10 | | |
| k_LoSpdVDAuthority_Uls_f32 | 1 | | |
| k_SrlHwAgVldTiThd_mS_u32 | 100000 | | |
| k_SysKinRatio_MtrDegpHwDeg_f32 k_TravelXCDeadband_Uls_f32 | 100 | | |
| k_TraveIXCHwAuthority_Uls_f32 | 1 | | |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 4294967295 | | |
| target_GetSystemTime_mS_u32_CurrentTime | 4294967295 | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedT | 4294967295 | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime | 4294967295 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRad | · - | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f3 target_VehDyn_Per1_SensorlessAuthority_L | | |
| target Rte Inst Ap VehDyn.VehDyn Per1 SensorlessHwPos HwDeg f32 | target_VehDyn_Per1_SensorlessHwPos_Hw | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAgVld_Cnt_lgc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_MtrN | lm_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc | target_VehDyn_Per1_VehicleSpeedValid_Cr | nt_lgc | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph_f3 | 2 | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -360 | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 1440.10999 | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | 1118 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | 1600 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 1 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | 1600 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | 8.80000019 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 1 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 511 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 | 1 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 4294967295 | 4294967295 | Y |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 4294967295 1600 | 4294967295 1600 ± 0.009 | |
| VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32 | 1600 | 1600 ± 0.009 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 4294967295 | 4294967295 | • |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 4294967295 | 4294967295 | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1600 | 1600 ± 0.009 | * |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 1600 ± 0.009 | |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | - |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_Igc | 1 | 1 | - |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 4294967295 | 4294967295 | - |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 4294967295 | 4294967295 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1600 | 1600 ± 0.009 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1600 | 1600 ± 0.009 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | _ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | · · |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 | 1 | |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | - |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | 1 | - |
| VehDyn_MaxOffset_HwDeg_M_f32 | -159.890015 | -159.889999 | ~ |
| | | | |



| Name | Actual Value | Expected Value | Result |
|------------------------------------------------------|--------------|----------------------|--------|
| VehDyn_MinOffset_HwDeg_M_f32 | 2840 | 2840 | ✓ |
| VehDyn_PinTrqSV_M_str.SV_UIs_f32 | 18.7890587 | 18.7890587 ± 0.00009 | ~ |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 4294967295 | 4294967295 | ✓ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 1 | 1 ± 0.004 | ~ |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | 0 | 0 ± 0.1 | ✓ |

| T | | | | ✓ |
|----------------------------------------------------|-------|----------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |

| Fest Step 2.257 (Repeat Count = 1) | Innut Value |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|
| Name | Input Value |
| OtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| SetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| /ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 |
| /ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 554.200012 |
| ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 84.1999969 |
| ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 4.19999981 |
| ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 52.2000008 |
| ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 2291 |
| ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 7778 |
| ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 4004004656 |
| ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 4211268631 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1123.40002 |
| /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000931999995 |
| /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1123.40002 |
| /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000931999995 |
| /ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| /ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| /ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| /ehDyn AutoCntrDetSpd M str.Filter2Initialized Cnt Igc | 0 |
| /ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 456.600006 |
| /ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 35.2999992 |
| /ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 14.6000004 |
| /ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 75 |
| /ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 33198 |
| /ehDyn AutoCntrHiSpd M str.Timer2Thresh mS u16 | 7778 |
| /ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 4004004656 |
| /ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 4211268631 |
| /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1123.40002 |
| /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.Sv_Uis_i32 | 0.000731999986 |
| · - · · | 1123.40002 |
| /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 0.000456000009 |
| /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | |
| /ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| /ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| /ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_Igc | 0 |
| /ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| /ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 456.200012 |
| /ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 86.300031 |
| /ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 6.1999981 |
| /ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 86 |
| /ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 5235 |
| ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 27074 |
| /ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 4004004656 |
| ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 4211268631 |
| ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1123.40002 |
| ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 7.28000014e-005 |
| ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1123.40002 |
| /ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000931999995 |
| /ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| /ehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| /ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| /ehDyn AutoCntrLoSpd M str.Filter2Initialized Cnt Igc | 1 |



| Name | Input Value | | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 1 | | |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | -1200.5 | | |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 | | |
| VehDyn_Initialize_Cnt_M_lgc | 1 | | |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 | | |
| VehDyn_MaxOffset_HwDeg_M_f32 | -1282.65002 | | |
| VehDyn_MinOffset_HwDeg_M_f32 | -551.190002 | | |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | -5.4000001 | | |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 VehDyn_SLPHwAuth_Uls_M_f32 | 0.000468999991 | | |
| VehDyn SLPHwPos HwDeg M f32 | 421.809998 | | |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 2942063360 | | |
| k_HiSpdVDAuthority_Uls_f32 | 1 | | |
| k_HwTqMgnThd_HwNm_f32 | 1.10000002 | | |
| k_LoSpdVDAuthority_UIs_f32 | 0 | | |
| k SrlHwAgVldTiThd mS u32 | 70 | | |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 54.7799988 | | |
| k_TravelXCDeadband_Uls_f32 | 45.9799995 | | |
| k_TravelXCHwAuthority_Uls_f32 | 0.255499989 | | |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 954802432 | | |
| target_GetSystemTime_mS_u32_CurrentTime | 71426560 | | |
| $target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_Elapsed$ | 5477 | | |
| $target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTime_ms_u30_CurrentTim$ | 2942063360 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRad | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f3 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_U | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_Hw | /Deg_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_MtrN | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc | target_VehDyn_Per1_VehicleSpeedValid_Cr | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph_f3 -500.390015 | 2 | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 915.302002 | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | -4.96000004 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | -835.099976 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | 1123.40002 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 1 | | |
| target VehDyn Per1 SrlHwAg HwDeg f32.value | 421.809998 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | 1.2999995 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 0 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 499.049988 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 4004004656 | 4004004656 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 4211268631 | 4211268631 | - |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1123.40002 | 1123.40002 ± 0.009 | • |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1123.40002 | | |
| | | 1123.40002 ± 0.009 | _ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1123.40002 ± 0.009 | - |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 1 1 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 1 0 | 1 1 1 0 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 1 1 0 71426560 | 1 1 1 0 71426560 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 1 1 0 71426560 4211268631 | 1 1 1 0 71426560 4211268631 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1 1 0 71426560 4211268631 1123.40002 | 1 1 1 0 71426560 4211268631 1123.40002 ± 0.009 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1 1 0 71426560 4211268631 1123.40002 | 1 1 1 0 71426560 4211268631 1123.40002 ± 0.009 1123.40002 ± 0.009 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1 1 0 71426560 4211268631 1123.40002 0 | 1 1 1 0 71426560 4211268631 1123.40002 ± 0.009 1123.40002 ± 0.009 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 1 0 71426560 4211268631 1123.40002 1123.40002 0 | 1 1 1 0 71426560 4211268631 1123.40002 ± 0.009 1123.40002 ± 0.009 0 | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 1 0 71426560 4211268631 1123.40002 1123.40002 0 | 1 1 0 71426560 4211268631 1123.40002 ± 0.009 1123.40002 ± 0.009 0 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 1 0 71426560 4211268631 1123.40002 0 0 | 1 1 0 71426560 4211268631 1123.40002 ± 0.009 1123.40002 ± 0.009 0 0 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 1 1 0 71426560 4211268631 1123.40002 10 0 0 | 1 1 1 0 71426560 4211268631 1123.40002 ± 0.009 1123.40002 ± 0.009 0 0 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 1 1 0 71426560 4211268631 1123.40002 0 0 0 1 71426560 4211268631 | 1 1 1 0 71426560 4211268631 1123.40002 ± 0.009 1123.40002 ± 0.009 0 0 1 1 71426560 4211268631 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1 1 0 71426560 4211268631 1123.40002 0 0 0 1 71426560 4211268631 1123.40002 | 1 1 0 71426560 4211268631 1123.40002 ± 0.009 1123.40002 ± 0.009 0 0 1 71426560 4211268631 1123.40002 ± 0.009 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 | 1 1 0 71426560 4211268631 1123.40002 10 0 0 1 71426560 4211268631 1123.40002 1123.40002 | 1 1 0 71426560 4211268631 1123.40002 ± 0.009 1123.40002 ± 0.009 0 0 1 71426560 4211268631 1123.40002 ± 0.009 1123.40002 ± 0.009 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 1 0 71426560 4211268631 1123.40002 0 0 1 1 71426560 4211268631 1123.40002 1123.40002 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 1 1 1 0 71426560 4211268631 1123.40002 ± 0.009 1123.40002 ± 0.009 0 0 1 71426560 4211268631 1123.40002 ± 0.009 1123.40002 ± 0.009 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 1 0 71426560 4211268631 1123.40002 10 0 0 1 71426560 4211268631 1123.40002 1123.40002 | 1 1 0 71426560 4211268631 1123.40002 ± 0.009 1123.40002 ± 0.009 0 0 1 71426560 4211268631 1123.40002 ± 0.009 1123.40002 ± 0.009 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 1 0 71426560 4211268631 1123.40002 0 0 1 1 71426560 4211268631 1123.40002 1123.40002 0 1 1 171426500 1 1 171426500 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 1 1 1 0 71426560 4211268631 1123.40002 ± 0.009 1123.40002 ± 0.009 0 0 1 71426560 4211268631 1123.40002 ± 0.009 1123.40002 ± 0.009 1123.40002 ± 0.009 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 1 0 71426560 4211268631 1123.40002 1123.40002 0 0 1 1 71426560 4211268631 1123.40002 1123.40002 0 1 1 1 | 1 1 1 0 71426560 4211268631 1123.40002 ± 0.009 1123.40002 ± 0.009 0 0 1 71426560 4211268631 1123.40002 ± 0.009 1123.40002 ± 0.009 1123.40002 ± 0.009 | |



| Name | Actual Value | Expected Value | Result |
|------------------------------------------------------|--------------|------------------------|----------|
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 | 0 | ✓ |
| VehDyn_MaxOffset_HwDeg_M_f32 | -1282.65002 | -1282.65002 | ~ |
| VehDyn_MinOffset_HwDeg_M_f32 | -551.190002 | -551.190002 | ✓ |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | -5.39978266 | -5.39978266 ± 0.000009 | ~ |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 2942063360 | 2942063360 | ✓ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 1 | 1 ± 0.004 | ✓ |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | 1600 | 1600 ± 0.1 | ✓ |

| Т | | | | ✓ |
|----------------------------------------------------|-------|----------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | • |

| ame | Input Value |
|-------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|
| | |
| trmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| etSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| te_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| te_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| te_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 0 |
| ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 0 |
| ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 0 |
| ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 0 |
| hDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 0 |
| hDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 0 |
| hDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 0 |
| hDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 0 |
| hDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 0 |
| hDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1600 |
| hDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 2.51327106e-006 |
| hDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1600 |
| hDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 2.51327106e-006 |
| hDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| hDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| hDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| hDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| hDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 0 |
| hDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 0 |
| hDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 0 |
| hDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 0 |
| hDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 0 |
| hDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 0 |
| hDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 0 |
| hDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 0 |
| hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1600 |
| hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 2.51327106e-006 |
| hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1600 |
| hDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 2.51327106e-006 |
| hDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| hDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| hDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| hDyn AutoCntrHiSpd M str.Filter2Initialized Cnt Igc | 0 |
| hDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 0 |
| hDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 0 |
| hDyn AutoCntrLoSpd M str.FiltPinTrg HwNm f32 | 0 |
| hDyn AutoCntrLoSpd M str.CntrWindow HwDeg f32 | 0 |
| hDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 0 |
| hDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 0 |
| | 0 |
| hDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | |
| hDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 0 |
| hDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1600 2.54327406-2.006 |
| hDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 2.51327106e-006 |
| hDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 hDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | -1600 2.51327106e-006 |



| Name | Input Value | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|--------------------------------------------------------------|---------------------------------------|
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | | |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 0 | | |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | -1600 0 | | |
| VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn_Initialize_Cnt_M_lgc | 0 | | |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 | | |
| VehDyn_MaxOffset_HwDeg_M_f32 | -2840 | | |
| VehDyn_MinOffset_HwDeg_M_f32 | -1440.10999 | | |
| VehDyn_PinTrqSV_M_str.SV_UIs_f32 | -18.7999992 | | |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 2.51327106e-006 | | |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0 | | |
| VehDyn_SLPHwPos_HwDeg_M_f32 | -1600 | | |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 0 | | |
| k_HiSpdVDAuthority_Uls_f32 | 0 | | |
| k_HwTqMgnThd_HwNm_f32 | 0 | | |
| k_LoSpdVDAuthority_UIs_f32 | 0 | | |
| k_SrlHwAgVldTiThd_mS_u32 | 0 | | |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 1 0 | | |
| k_TraveIXCDeadband_Uls_f32 | 0 | | |
| k_TravelXCHwAuthority_Uls_f32 target DtrmnElapsedTime mS u32 ElapsedTime | 0 | | |
| target_GetSystemTime_mS_u32_CurrentTime | 0 | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed | • | | |
| target Rte Call Ap VehDyn SystemTime GetSystemTime mS u32 CurrentTime | | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target VehDyn Per1 CwEOT HwDeg f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f32 | 2 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRad | pS_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f3 | 2 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_U | Jls_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_Hw | vDeg_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_MtrN | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc | target_VehDyn_Per1_VehicleSpeedValid_Cr | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph_f3 -1440.10999 | 2 | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 360 | | |
| target VehDyn Per1 HwTorque HwNm f32.value | -10 | | |
| target VehDyn Per1 MotorVelCRF MtrRadpS f32.value | -1118 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | -1600 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 0 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | -1600 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | -8.80000019 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 0 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 0 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 0 | 0 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 0 | 0 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1600 | -1600 ± 0.009 | • |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1600 | -1600 ± 0.009 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | V |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 0 | 0 | |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 | -1600 | -1600 ± 0.009 | - |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | | 1000 ± 0.000 | _ |
| | | -1600 ± 0.009 | - |
| VehDyn AutoCntrHiSpd M str.Filter1Enable Cnt loc | -1600 -1600 0 | -1600 ± 0.009 | |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | -1600 | | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | -1600 0 | 0 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | -1600 0 0 | 0 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | -1600 0 0 0 | 0 0 0 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | -1600 0 0 0 0 | 0 0 0 0 | · · · · · · · · · · · · · · · · · · · |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | -1600 0 0 0 0 0 | 0 0 0 0 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1600 0 0 0 0 0 0 0 -1600 | 0 0 0 0 0 0 -1600 ± 0.009 -1600 ± 0.009 | · · · · · · · · · · · · · · · · · · · |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1600 0 0 0 0 0 0 0 0 | 0 0 0 0 0 0 -1600 ± 0.009 | |



| Name | Actual Value | Expected Value | Result |
|-------------------------------------------------------|--------------|-----------------------|----------|
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 | 0 | ~ |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 | 0 | ✓ |
| VehDyn_MaxOffset_HwDeg_M_f32 | 360 | 360 | ✓ |
| VehDyn_MinOffset_HwDeg_M_f32 | -1440.10999 | -1440.10999 | ✓ |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | -18.7999992 | -18.7999992 ± 0.00009 | ~ |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 0 | 0 | ~ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 0 | 0 ± 0.004 | ~ |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | -1600 | -1600 ± 0.1 | ✓ |

| Т | | | | V |
|----------------------------------------------------|-------|----------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | ✓ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ✓ |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |

| Test Step 2.259 (Repeat Count = 1) | |
|-----------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|
| Name | Input Value |
| OtrmnElapsedTime mS u32(ElapsedTime) | target DtrmnElapsedTime mS u32 ElapsedTime |
| GetSystemTime mS u32(CurrentTime) | target GetSystemTime mS u32 CurrentTime |
| Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32(ElapsedTime) | target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedTime |
| Rte Call Ap VehDyn SystemTime GetSystemTime mS u32(CurrentTime) | target Rte Call Ap VehDyn SystemTime GetSystemTime mS u32 CurrentTime |
| tte Inst Ap VehDyn | target Rte Inst Ap VehDyn |
| /ehDyn AllowHiSpdAutoCntr Cnt M Igc | 1 |
| /ehDyn AutoCntrDetSpd M str.MtrVel MtrRadpS f32 | 700 |
| /ehDyn AutoCntrDetSpd M str.VehSpd kph f32 | 255 |
| 'ehDyn AutoCntrDetSpd M str.FiltPinTrg HwNm f32 | 20 |
| /ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 100 |
| /ehDyn AutoCntrDetSpd M str.Timer1Thresh mS u16 | 60000 |
| /ehDyn AutoCntrDetSpd M str.Timer2Thresh mS u16 | 60000 |
| 'ehDyn AutoCntrDetSpd M str.Timer1 mS u32 | 4294967295 |
| /ehDyn AutoCntrDetSpd M str.Timer2 mS u32 | 4294967295 |
| /ehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32 | 1600 |
| /ehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32 | 0.00125584786 |
| /ehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32 | 1600 |
| /ehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32 | 0.00125584786 |
| /ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| /ehDyn AutoCntrDetSpd M str.Filter2Enable Cnt lgc | 1 |
| /ehDyn AutoCntrDetSpd M str.Filter1Initialized Cnt Igc | 1 |
| /ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| /ehDyn AutoCntrHiSpd M str.MtrVel MtrRadpS f32 | 700 |
| /ehDyn AutoCntrHiSpd M str.VehSpd kph f32 | 255 |
| /ehDyn AutoCntrHiSpd M str.FiltPinTrg HwNm f32 | 20 |
| /ehDyn AutoCntrHiSpd M str.CntrWindow HwDeg f32 | 100 |
| /ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 60000 |
| /ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 60000 |
| /ehDyn AutoCntrHiSpd M str.Timer1 mS u32 | 4294967295 |
| /ehDyn AutoCntrHiSpd M str.Timer2 mS u32 | 4294967295 |
| /ehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32 | 1600 |
| /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_0is_i32 | 0.00125584786 |
| /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.N_0is_i32 | 1600 |
| /ehDyn_AutoCntrhiSpd_M_str.ReihwPosFilt2SV_hwDeg_str.Sv_ois_is2 /ehDyn_AutoCntrhiSpd_M_str.ReihwPosFilt2SV_hwDeg_str.K_Uls_f32 | 0.00125584786 |
| /ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0.00125564766 |
| /enDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc /ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| /ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| /ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc /ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| enDyn_AutoCntrloSpd_M_str.Hiter2mittailized_Cnt_igc ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 700 |
| | 255 |
| /ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 20 |
| /ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 100 |
| /ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | |
| /ehDyn_AutoCotrLoSpd_M_str.Timer1Thresh_mS_u16 | 60000 |
| /ehDyn_AutoCotrl_oSpd_M_str.Timer2Thresh_mS_u16 | 60000 |
| /ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 4294967295 4294967295 |
| /ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 4294967295 1600 |
| /ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1111 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.00125584786 |



| Name | Input Value | | |
|------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|--------------------------|----------|
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1600 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.00125584786 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | | |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 1 | | |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | 1600 | | |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 | | |
| VehDyn_Initialize_Cnt_M_lgc | 1 | | |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 1440.10999 | | |
| VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32 | 2840 | | |
| VehDyn_PinTrqSV_M_str.SV_UIs_f32 | 18.7999992 | | |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.00125584786 | | |
| VehDyn_SLPHwAuth_Uls_M_f32 | 1 | | |
| VehDyn_SLPHwPos_HwDeg_M_f32 | 1600 | | |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 4294967295 | | |
| k_HiSpdVDAuthority_UIs_f32 | 1 10 | | |
| k_HwTqMgnThd_HwNm_f32 k LoSpdVDAuthority Uls f32 | 1 | | |
| k_SrlHwAgVldTiThd_mS_u32 | 100000 | | |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 100 | | |
| k_TravelXCDeadband_Uls_f32 | 100 | | |
| k_TravelXCHwAuthority_Uls_f32 | 1 | | |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 4294967295 | | |
| target_GetSystemTime_mS_u32_CurrentTime | 4294967295 | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedT target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime | | | |
| target_Rte_lnst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32 | target VehDyn Per1 CcwEOT HwDeg f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f32 | 2 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRad | pS_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f3 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_U | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_Hw | /Deg_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SriHwAgVld_Cnt_lgc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SriHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc target_VehDyn_Per1_SrlHwAg_HwDeg_f32 | | |
| target Rte Inst Ap VehDyn.VehDyn Per1 TorqueCmdCRF MtrNm f32 | target VehDyn Per1 TorqueCmdCRF MtrN | lm f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc | target_VehDyn_Per1_VehicleSpeedValid_Cr | _ | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph_f3 | 2 | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -360 | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 1440.10999 | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | 10 | | |
| target VehDyn Per1 RelHwPos HwDeg f32.value | 1600 | | |
| target VehDyn Per1 SrlHwAgVld Cnt Igc.value | 1 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | 1600 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | 8.80000019 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 1 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 511 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 1 4294967295 | 1 4294967295 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 4294967295 | 4294967295 | J |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1600 | 1600 ± 0.009 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1600 | 1600 ± 0.009 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 4294967295 4294967295 | 4294967295 4294967295 | Ž |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1600 | 1600 ± 0.009 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1600 | 1600 ± 0.009 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 4294967295 4294967295 | 4294967295 4294967295 | V |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1600 | 1600 ± 0.009 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1600 | 1600 ± 0.009 | • |
| | | | |



| Name | Actual Value | Expected Value | Result |
|-------------------------------------------------------|--------------|----------------------|----------|
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 | 1 | ✓ |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | ✓ |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | 1 | ✓ |
| VehDyn_MaxOffset_HwDeg_M_f32 | -159.890015 | -159.889999 | ~ |
| VehDyn_MinOffset_HwDeg_M_f32 | 2840 | 2840 | ✓ |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 18.7890587 | 18.7890587 ± 0.00009 | ~ |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 4294967295 | 4294967295 | ✓ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 1 | 1 ± 0.004 | ~ |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | 0 | 0 ± 0.1 | ✓ |

| Т | | | | V |
|----------------------------------------------------|-------|----------------------------------------------------|-------|--------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | • |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |

| ame | Input Value |
|------------------------------------------------------------------------------------|--------------------------------------------------------------------------|
| | · |
| trmnElapsedTime_mS_u32(ElapsedTime) etSystemTime mS_u32(CurrentTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| , = = | target_GetSystemTime_mS_u32_CurrentTime |
| te_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| te_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| te_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 |
| ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 604.700012 |
| ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 116.699997 |
| ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 12.6999998 |
| ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 85.6999969 |
| ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 21364 |
| ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 22497 |
| ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 2967684784 |
| ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 2967684784 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1134.75 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000984000042 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1134.75 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000984000042 |
| ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 2.53999996 |
| ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 106.599998 |
| ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 2.65400004 |
| ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 96.5999985 |
| ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 7034 |
| ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 39056 |
| ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 2967684784 |
| ehDyn AutoCntrHiSpd M str.Timer2 mS u32 | 2967684784 |
| ehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32 | -1134.75 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000783999974 |
| ehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32 | -1134.75 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000560000015 |
| ehDyn AutoCntrHiSpd M str.Filter1Enable Cnt lgc | 0 |
| ehDyn AutoCntrHiSpd M str.Filter2Enable Cnt lgc | 0 |
| ehDyn AutoCntrHiSpd M str.Filter1Initialized Cnt lgc | 1 |
| ehDyn AutoCntrHiSpd M str.Filter2Initialized Cnt Igc | 0 |
| ehDyn AutoCntrLoSpd M str.MtrVel MtrRadpS f32 | 2.5999999 |
| ehDyn AutoCntrLoSpd M str.VehSpd kph f32 | 146.600006 |
| ehDyn AutoCntrLoSpd M str.FiltPinTrg HwNm f32 | 7 |
| ehDyn AutoCntrLoSpd M str.CntrWindow HwDeg f32 | 52.5999985 |
| ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 43190 |
| ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 3186 |
| ehDyn AutoCntrLoSpd M str.Timer2 ms u32 | 2967684784 |
| enDyn_AutoCntrLoSpd_M_str.Timer1_mS_us2 ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 2967684784 |



| | | | CILAIU |
|---------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|--------------------|----------|
| Name | Input Value | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1134.75 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 7.79999973e-005 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1134.75 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000984000042 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | | |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 1 | | |
| VehDyn ForceCenterOffset HwDeg M f32 | -101.489998 | | |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 | | |
| VehDyn_Initialize_Cnt_M_lgc | 0 | | |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | | |
| VehDyn_MaxOffset_HwDeg_M_f32 | 1242.75806 | | |
| VehDyn_MinOffset_HwDeg_M_f32 | -457.109985 | | |
| VehDyn_PinTrqSV_M_str.SV_UIs_f32 | 8.89999962 | | |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000494999986 0.00999999978 | | |
| VehDyn_SLPHwAuth_UIs_M_f32 VehDyn_SLPHwPos_HwDeg_M_f32 | 206.350006 | | |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 54689 | | |
| k_HiSpdVDAuthority_Uls_f32 | 1 | | |
| k_HwTqMgnThd_HwNm_f32 | 1.10000002 | | |
| k_LoSpdVDAuthority_Uls_f32 | 0 | | |
| k_SrlHwAgVldTiThd_mS_u32 | 70 | | |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 56.2999992 | | |
| k_TravelXCDeadband_Uls_f32 | 20.1599998 | | |
| k_TraveIXCHwAuthority_UIs_f32 | 0.229774997 | | |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 4294967295 | | |
| target_GetSystemTime_mS_u32_CurrentTime | 2167769344 | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedT | | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target VehDyn Per1 HwTorque HwNm f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRad | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f3. | 2 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_U | lls_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_Hw | Deg_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_MtrN | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeedValid_Cr target_VehDyn_Per1_VehicleSpeed_Kph_f3. | | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -384.589996 | 2 | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 998.836975 | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | -2.6500001 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | -759.549988 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | -1134.75 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 0 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | 421.809998 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | 7.9000001 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 0 87.7699966 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | | For a start Malors | December |
| Name VahDun AllowHiCodAutoCotr Cot M Igo | Actual Value | Expected Value | Result |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 2967684784 | 2967684784 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 2967684784 | 2967684784 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1134.75 | -1134.75 ± 0.009 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1134.75 | -1134.75 ± 0.009 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 2167769344 | 2167769344 | • |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 2967684784 | 2967684784 | • |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDog_str.SV_Uls_f32 | -1134.75 | -1134.75 ± 0.009 | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | -1134.75 0 | -1134.75 ± 0.009 | |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 2967684784 | 2967684784 | • |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 2967684784 | 2967684784 | • |
| | | | |



| Name | Actual Value | Expected Value | Result |
|-----------------------------------------------------------------|--------------|-----------------------|----------|
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1134.75 | -1134.75 ± 0.009 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1134.75 | -1134.75 ± 0.009 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | • |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 | 1 | • |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | 1 | • |
| VehDyn_MaxOffset_HwDeg_M_f32 | 998.836975 | 998.836975 | ~ |
| VehDyn_MinOffset_HwDeg_M_f32 | -384.589996 | -384.589996 | • |
| VehDyn_PinTrqSV_M_str.SV_UIs_f32 | 8.89435196 | 8.89435196 ± 0.000009 | ~ |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 54689 | 54689 | ✓ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 1 | 1 ± 0.004 | ~ |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | -1033.26001 | -1033.26001 ± 0.1 | • |

| Т | | | | ✓ |
|----------------------------------------------------|-------|----------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |



Test Case 3: Path Test



Specification

Performance Metrics: (With "None" Instrumentation and "WithPS" Environment)

CPU Cycles:
TS 3.1 1057.00 Cycles
TS 3.2 1056.00 Cycles
TS 3.3 1045.00 Cycles
TS 3.3 1045.00 Cycles
TS 3.4 1274.00 Cycles
TS 3.5 1284.00 Cycles
TS 3.6 1270.00 Cycles
TS 3.6 1270.00 Cycles
TS 3.8 1034.00 Cycles
TS 3.9 1050.00 Cycles
TS 3.11 1246.00 Cycles
TS 3.11 1246.00 Cycles
TS 3.12 1052.00 Cycles
TS 3.13 1266.00 Cycles



Description Vector Description:

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Vector Description:

Ts 3.1"(AbsHwTorque_HwNin_T_32 < k_HwToMgnThd_HwNin_f32)=

(ElapsedTime_m5_T_u32 × k_Sirl+wAgVdfTThd_m5_u32)=

(VenDyn_AllowHSpdAulotCnt_Cnt_M1_go = TRLE_FFALSE & (VenDyn_HiSpdLearnt_Cnt_M1_go = FALSE)=TRUE_&& (VenDyn_AllowHSpdAulotCnt_Cnt_M1_go = FALSE) & (Deadband_Uis_T_52 × t_TraveRXDeadband_Uis_T_52) | (Deadband_Uis_T_52 × t_TraveRXDeadband_Uis_T_52 × t_TraveRXDea
                    TS 3.5"(AbsHwTorque_HwNm_T_f32 < k_HwTqMgnThd_HwNm_f32)=True && ( ElapsedTime_mS_T_u32 > k_SrlHwAgVldTiThd_mS_u32 )=True && ( VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc == TRUE )=TRUE && ( VehDyn_HiSpdLearnt_Cnt_M_lgc == FALSE ) && ( VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc == FALSE ) && ( VehDyn_LoSpdLearnt_Cnt_M_lgc == TRUE )=FALSE && ( VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc == TRUE )=FALSE && ( VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc == TRUE )=TRUE && ( VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc == TRUE )=TRUE && ( VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc == TRUE )=TRUE && ( VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc == TRUE )=TRUE && ( VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc == TRUE )=TRUE && ( VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc == TRUE )=TRUE && ( VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc == TRUE )=TRUE && ( VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc == TRUE )=TRUE && ( VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc == TRUE )=TRUE && ( VehDyn_AllowHiSpdAutoCntr_HiSpd_M_str.Filter2Enable_Cnt_lgc == TRUE )=TRUE && ( VehDyn_AllowHiSpd_M_str.Filter2Enable_Cnt_lgc == TRUE )=TRUE/FALSE && ( VehDyn_Intritialize_Cnt_M_lgc == TRUE )=TRUE/FALSE && ( TravelXChwaluth_Uls_T_f32 > D_NOAUTH_ULS_T32 >= TAUE )=TRUE/FALSE && ( TravelXChwalut
          D_NOAUTH_ULS_F32)=FALSE && (TravelXCHwAuth_Uls_T32 > D_NOAUTH_ULS_F32)=FALSE && (SnsrlessHwPos_HwDeg_T_f3)=1600)=TRUE/FALSE && (SnsrlessHwAuth_Uls_T_f32>=1)=TRUE/FALSE"
TS 3.6"(AbSHWTorque_HwNm_T_f32 < k_HwTqMgnThd_HwNm_f32)=False && (ElapsedTime_ms_T_u32 > k_SrlHwAgVIdTiThd_mS_u32)=False && (VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc == TRUE)=FALSE && (VehDyn_HiSpdLearnt_Cnt_M_lgc == TRUE)=FALSE && (VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc == TRUE)=FALSE && (VehDyn_LoSpdLearnt_Cnt_M_lgc == TRUE)=FALSE && (VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc == TRUE)=FALSE && (VehDyn_Initialize_Cnt_M_lgc == FALSE)=FALSE && (VehDyn_MinOffset_HwDeg_M_f32)=((CwEOTPosition_HwDeg_T_f32-OffsetRelHwPos_HwDeg_T_f32))=TRUE/FALSE && ((VehDyn_MinOffset_HwDeg_M_f32)=((CwEOTPosition_HwDeg_T_f32-)=FALSE)=FALSE && ((CwEOTPosition_HwDeg_T_f32))=TRUE/FALSE && ((CwEOTPosition_HwDeg_T_f32)=TRUE)=FALSE && ((CwEOTPosition_HwDeg_T_f32)=TRUE/FALSE && ((CwEOTPosition_HwDeg_T_f32)=TRUE/FALSE && ((CwEOTPosition_HwDeg_T_f32)=TRUE/FALSE && ((VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc == TRUE)=TRUE)=TRUE/FALSE && ((VehDyn_HiSpdLearnt_Cnt_M_lgc)=TRUE/FALSE && ((VehDyn_HiSpdLearnt_Cnt_M_lgc)=TRUE/FALSE && ((VehDyn
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==FALSE | Sef. | (YehDyn AllowHiSpdAutoCnit | Ont. M. | go == TRUE | =TRUE | Set | YehDyn | Institution | N. | go == TRUE | =TRUE | Set | YehDyn | Institution | N. | go == TRUE | =TRUE | Set | YehDyn | Institution | N. | go == TRUE | =TRUE | Set | YehDyn | MaxOffset | HwDeg | M. | 325=((CweCOTPosition | HwDeg | T. | 32 - OffsetRelHwPos | HwDeg | T. | 32) =TRUE | FALSE | Set | YehDyn | MinOffset | HwDeg | M. | 325=((CweCOTPosition | HwDeg | T. | 32 - OffsetRelHwPos | HwDeg | T. | 32) =TRUE | FALSE | Set | YehDyn | MinOffset | HwDeg | M. | 325=((CweCOTPosition | HwDeg | T. | 32 - OffsetRelHwPos | HwDeg | T. | 32) =TRUE | Set | Set | YehDyn | MinOffset | HwDeg | M. | 32 - OffsetRelHwPos | HwDeg | T. | 32 - No. | And | No. | N

| Test Step 3.1 (Repeat Count = 1) | variation of the state of the |
|--------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Name | Input Value |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| GetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 0 |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 0 |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 0 |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 0 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1600 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 2.51327106e-006 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1600 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 2.51327106e-006 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 0 |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 0 |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 0 |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 0 |



| Name | Input Value | | |
|--------------------------------------------------------------------------------------------------------------|------------------------------------------|----------------|--------|
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1600 | | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 2.51327106e-006 | | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1600 | | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 2.51327106e-006 | | |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | | |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 | | |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | | |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | | |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 0 | | |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 0 | | |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 0 | | |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 0 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 0 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 0 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 0 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 0 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1600 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 2.51327106e-006 | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1600 | | |
| VehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32 | 2.51327106e-006 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_Igc | 0 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_igc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_igc | 0 | | |
| , _ , | 0 | | |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | | | |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | -1600 | | |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 | | |
| VehDyn_Initialize_Cnt_M_lgc | 0 | | |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 | | |
| VehDyn_MaxOffset_HwDeg_M_f32 | -2840 | | |
| VehDyn_MinOffset_HwDeg_M_f32 | -1440.10999 | | |
| VehDyn_PinTrqSV_M_str.SV_UIs_f32 | -18.7999992 | | |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 2.51327106e-006 | | |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0 | | |
| VehDyn_SLPHwPos_HwDeg_M_f32 | -1600 | | |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 1662097408 | | |
| k_HiSpdVDAuthority_Uls_f32 | 0 | | |
| k_HwTqMgnThd_HwNm_f32 | 5.25 | | |
| k_LoSpdVDAuthority_Uls_f32 | 0 | | |
| k_SrlHwAgVldTiThd_mS_u32 | 91986 | | |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 1 | | |
| k TravelXCDeadband Uls f32 | 0 | | |
| k TravelXCHwAuthority Uls f32 | 0 | | |
| target DtrmnElapsedTime mS u32 ElapsedTime | 0 | | |
| target_GetSystemTime_mS_u32_CurrentTime | 0 | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedT | 1736705303 | | |
| | | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime | | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRadp | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_U | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_Hw | Deg_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_MtrN | m_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc | target_VehDyn_Per1_VehicleSpeedValid_Cn | ıt_lgc | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeed_Kph_f32 | target VehDyn Per1 VehicleSpeed Kph f32 | | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -1440.10999 | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 360 | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | -10 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | -1118 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | -1600 | | |
| target VehDyn Per1 SrlHwAgVld Cnt Igc.value | 0 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | -1353.17004 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | -8.80000019 | | |
| | | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 0 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 0 | - | 1_ |
| Name | Actual Value | Expected Value | Result |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 0 | 0 | • |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 0 | 0 | * |
| VehDvn_AutoCntrDetSnd_M_str_Timer2_mS_u32 | 0 | 0 | |



| Name | Actual Value | Expected Value | Result |
|------------------------------------------------------------------|--------------|-----------------------|----------|
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1600 | -1600 ± 0.009 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1600 | -1600 ± 0.009 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 0 | 0 | • |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 0 | 0 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1600 | -1600 ± 0.009 | • |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1600 | -1600 ± 0.009 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 0 | 0 | • |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 0 | 0 | • |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1600 | -1600 ± 0.009 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1600 | -1600 ± 0.009 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 | 0 | • |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 | 0 | ✓ |
| VehDyn_MaxOffset_HwDeg_M_f32 | 360 | 360 | ~ |
| VehDyn_MinOffset_HwDeg_M_f32 | -1440.10999 | -1440.10999 | ✓ |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | -18.7999992 | -18.7999992 ± 0.00009 | ~ |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 1662097408 | 1662097408 | • |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 0 | 0 ± 0.004 | ~ |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | -1600 | -1600 ± 0.1 | ~ |

| T → | | | | ✓ |
|----------------------------------------------------|-------|----------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | • |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | • |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | • |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | - |

| Test Stan 2.2 (Perset Count = 4) | |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|
| Test Step 3.2 (Repeat Count = 1) | |
| Name | Input Value |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| GetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 700 |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 255 |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 20 |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 100 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 60000 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 60000 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 4294967295 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 4294967295 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1600 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.00125584786 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1600 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.00125584786 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 700 |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 255 |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 20 |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 100 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 60000 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 60000 |



| Name | Input Value | |
|----------------------------------------------------------------------------------------------------|------------------------------------------------|--|
| VehDyn AutoCntrHiSpd M str.Timer1 mS u32 | 4294967295 | |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 4294967295 | |
| VehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32 | 1600 | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.00125584786 | |
| VehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32 | 1600 | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.00125584786 | |
| VehDyn AutoCntrHiSpd M str.Filter1Enable Cnt lgc | 1 | |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 | |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 700 | |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 255 | |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 20 | |
| VehDyn_AutoChtrLoSpd_M_str.CntrWindow HwDeg f32 | 100 | |
| , - , | 60000 | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | | |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 60000 | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 4294967295 | |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 4294967295 | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1600 | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.00125584786 | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1600 | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.00125584786 | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 0 | |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | -1500.22998 | |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 | |
| VehDyn_Initialize_Cnt_M_lgc | 1 | |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | |
| VehDyn MaxOffset HwDeg M f32 | 1440.10999 | |
| VehDyn MinOffset HwDeg M f32 | 2840 | |
| VehDyn_PinTrqSV_M_str.SV_UIs_f32 | 18.7999992 | |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.00125584786 | |
| VehDyn_SLPHwAuth_Uls_M_f32 | 1 | |
| VehDyn SLPHwPos HwDeg M f32 | 1600 | |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 4243378688 | |
| k HiSpdVDAuthority Uls f32 | 1 | |
| k HwTgMgnThd HwNm f32 | 1.10000002 | |
| _ · · | 1 | |
| k_LoSpdVDAuthority_Uls_f32 | | |
| k_SrlHwAgVldTiThd_mS_u32 | 12 | |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 100 | |
| k_TravelXCDeadband_Uls_f32 | 100 | |
| k_TravelXCHwAuthority_Uls_f32 | 1 | |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 4294967295 | |
| target_GetSystemTime_mS_u32_CurrentTime | 4294967295 | |
| target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedT | | |
| target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime | 4243378688 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_Uls_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | |
| target Rte Inst Ap VehDyn.VehDyn Per1 VehicleSpeedValid Cnt Igc | target VehDyn Per1 VehicleSpeedValid Cnt lgc | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph_f32 | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -360 | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 1440.10999 | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | 10 | |
| target_VenDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | 1118 | |
| | 1600 | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 0 | |
| | -1342.91003 | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | 10 0000000AD | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | 8.80000019 | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 1 | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | | |



| Name | Actual Value | Expected Value | Result |
|------------------------------------------------------------------|--------------|----------------------|--------|
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 4294967295 | 4294967295 | • |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 4294967295 | 4294967295 | • |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1600 | 1600 ± 0.009 | • |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1600 | 1600 ± 0.009 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 4294967295 | 4294967295 | • |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 4294967295 | 4294967295 | • |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1600 | 1600 ± 0.009 | • |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1600 | 1600 ± 0.009 | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 4294967295 | 4294967295 | • |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 4294967295 | 4294967295 | • |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1600 | 1600 ± 0.009 | • |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1600 | 1600 ± 0.009 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | • |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 | 1 | • |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | • |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | 1 | • |
| VehDyn_MaxOffset_HwDeg_M_f32 | -159.890015 | -159.889999 | • |
| VehDyn_MinOffset_HwDeg_M_f32 | 2840 | 2840 | • |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 18.7890587 | 18.7890587 ± 0.00009 | • |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 4243378688 | 4243378688 | • |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 1 | 1 ± 0.004 | • |
| target VehDyn Per1 SensorlessHwPos HwDeg f32.value | 0 | 0 ± 0.1 | • |

| Τ | | | | V |
|----------------------------------------------------|-------|----------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | ✓ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | • |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ✓ |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | • |

| Test Step 3.3 (Repeat Count = 1) | ✓ |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|
| Name | Input Value |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| GetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 44.7999992 |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 166.800003 |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 4.80000019 |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 12.8000002 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 5235 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 27074 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 2553156835 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 2967684784 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -833.309998 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000774000015 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -833.309998 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000774000015 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 662.200012 |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 106.199997 |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 16.1000004 |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 96.1999969 |



| Name | Input Value |
|-----------------------------------------------------------------------|------------------------------------------------|
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 12258 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 36416 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 2553156835 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 2967684784 |
| VehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32 | -833.309998 |
| | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000561999972 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1600 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000904000015 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 44.0200005 |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 166.119995 |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 4.01999998 |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 12.1199999 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 5235 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 27074 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 2553156835 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 2967684784 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -833.309998 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 4.98000009e-005 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -833.309998 |
| VehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.K Uls f32 | 0.000774000015 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| | 1 |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | -1400.31995 |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 |
| VehDyn_Initialize_Cnt_M_lgc | 1 |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 |
| VehDyn_MaxOffset_HwDeg_M_f32 | 678.661987 |
| VehDyn_MinOffset_HwDeg_M_f32 | -1024.74597 |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 15.1999998 |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000384000014 |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.057 |
| VehDyn_SLPHwPos_HwDeg_M_f32 | -953.030029 |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 2127166208 |
| k_HiSpdVDAuthority_Uls_f32 | 0 |
| k_HwTqMgnThd_HwNm_f32 | 1.20000005 |
| k_LoSpdVDAuthority_UIs_f32 | 0.870000005 |
| k_SrlHwAgVldTiThd_mS_u32 | 45 |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 32.2999992 |
| k_TravelXCDeadband_Uls_f32 | 90.5299988 |
| k_TravelXCHwAuthority_Uls_f32 | 0.0913499966 |
| target DtrmnElapsedTime mS u32 ElapsedTime | 4077829376 |
| target_GetSystemTime_mS_u32_CurrentTime | 1117112832 |
| target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedT | |
| target Rte Call Ap VehDyn SystemTime GetSystemTime mS u32 CurrentTime | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 | target VehDyn Per1 CcwEOT HwDeg f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 |
| target Rte Inst Ap VehDyn.VehDyn Per1 HwTorque HwNm f32 | target VehDyn Per1 HwTorque HwNm f32 |
| | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_Uls_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc |
| target_Rte_Inst_Ap_VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc | target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph_f32 |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -1050.03003 |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 1051.474 |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | -8.06000042 |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | 159.100006 |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | -833.309998 |
| target VehDyn Per1 SrlHwAgVld Cnt Igc.value | 1 |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | -1332.65002 |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | -4.5999999 |
| target_vehDyn_Per1_vehicleSpeedValid_Cnt_lgc.value | 1 |
| | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 126.410004 |



| Name | Actual Value | Expected Value | Result |
|------------------------------------------------------------------|--------------|----------------------|----------|
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 1117112832 | 1117112832 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 2967684784 | 2967684784 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -833.309998 | -833.309998 ± 0.0009 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -833.309998 | -833.309998 ± 0.0009 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 2553156835 | 2553156835 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 2967684784 | 2967684784 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -833.309998 | -833.309998 ± 0.0009 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1600 | -1600 ± 0.009 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 2553156835 | 2553156835 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 2967684784 | 2967684784 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -833.309998 | -833.309998 ± 0.0009 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -833.309998 | -833.309998 ± 0.0009 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 | 1 | ✓ |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | 1 | ✓ |
| VehDyn_MaxOffset_HwDeg_M_f32 | 678.661987 | 678.661987 | ~ |
| VehDyn_MinOffset_HwDeg_M_f32 | -216.720032 | -216.720001 | ~ |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 15.1910133 | 15.1910133 ± 0.00009 | ~ |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 2127166208 | 2127166208 | ✓ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 1 | 1 ± 0.004 | ~ |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | 567.009949 | 567.01001 ± 0.1 | ✓ |
| | | | |



| Name | Input Value |
|-------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 25 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 43128 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 58869 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 54822322 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 2553156835 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -599.400024 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000452000007 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -599.400024 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000782000017 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn AutoCntrHiSpd M str.Filter1Initialized Cnt Igc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 457.399994 |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 166.399994 |
| | 16.1000004 |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 12.3999996 |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 25532 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 27401 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 54822322 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 2553156835 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -599.400024 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 2.54000006e-005 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -599.400024 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000652000017 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 0 |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | -1300.41003 |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 |
| VehDyn_Initialize_Cnt_M_lgc | 1. |
| VehDyn LoSpdLearnt Cnt M Igc | 0 |
| VehDyn_MaxOffset_HwDeg_M_f32 | -374.149994 |
| VehDyn_MinOffset_HwDeg_M_f32 | -1432.46997 |
| VehDyn_PinTrqSV_M_str.SV_UIs_f32 | 3.20000005 |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000251999998 |
| VehDyn SLPHwAuth Uls M f32 | 0.972000003 |
| VehDyn_SLPHwPos_HwDeg_M_f32 | -1578.89001 |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 4243378688 |
| k_HiSpdVDAuthority_Uls_f32 | 0.349999994 |
| k HwTqMgnThd HwNm f32 | 6.5 |
| k LoSpdVDAuthority Uls f32 | 0.889999986 |
| k_SrlHwAgVldTiThd_mS_u32 | 65 |
| k SysKinRatio MtrDegpHwDeg f32 | |
| k_Syskinkatio_wtrbegphwbeg_isz k_TravelXCDeadband_Uls_f32 | 25.1000004 |
| | 2.69000006 |
| k_TravelXCHwAuthority_Uls_f32 | 0.0166250002 |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 2659241984 |
| target_GetSystemTime_mS_u32_CurrentTime | 1050692864 |
| target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedTi | |
| target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_Uls_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc | target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph_f32 |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -1431.89001 |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 386.147003 |
| | 9.5 |
| rarget VenDyn Peri Hwijorgue Hwnm 132 value | 800.869995 |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32_value | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | -599.400024 |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | -599.400024 1 |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | -599.400024 |



| Name | Input Value | | |
|------------------------------------------------------------------|--------------|-----------------------|----------|
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 511 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 54822322 | 54822322 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 2553156835 | 2553156835 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -599.400024 | -599.400024 ± 0.0009 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -599.400024 | -599.400024 ± 0.0009 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 1050692864 | 1050692864 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 2553156835 | 2553156835 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -599.400024 | -599.400024 ± 0.0009 | • |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -599.400024 | -599.400024 ± 0.0009 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 1050692864 | 1050692864 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 2553156835 | 2553156835 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -599.400024 | -599.400024 ± 0.0009 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -599.400024 | -599.400024 ± 0.0009 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 | 0 | ✓ |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | ✓ |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 | 0 | ✓ |
| VehDyn_MaxOffset_HwDeg_M_f32 | -374.149994 | -374.149994 | ✓ |
| VehDyn_MinOffset_HwDeg_M_f32 | -832.48999 | -832.48999 | ✓ |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 3.20166588 | 3.20166588 ± 0.000009 | ~ |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 4243378688 | 4243378688 | ~ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 0.889999986 | 0.889999986 ± 0.004 | ~ |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | 0 | 0 ± 0.1 | ~ |

| Τ | | | ✓ | |
|----------------------------------------------------|-------|----------------------------------------------------|----------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ✓ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ✓ |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |

| Name | Input Value |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|
| DtrmnElapsedTime mS u32(ElapsedTime) | target DtrmnElapsedTime mS u32 ElapsedTime |
| GetSystemTime mS u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 200.399994 |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 52.4000015 |
| /ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 14.3999996 |
| /ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 63.4000015 |
| /ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 53970 |
| /ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 58869 |
| /ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 1024 |
| /ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 54822322 |
| /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -714.090027 |
| /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000961999991 |
| /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -714.090027 |
| /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000961999991 |
| /ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| /ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |



| | (|
|--------------------------------------------------------------------------------|------------------------------------------------|
| Name | Input Value |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 159 |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 68.3000031 |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 16.7999992 |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 86 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 12258 |
| VehDyn AutoCntrHiSpd M str.Timer1Thresh mS u16 | 36416 |
| | 1024 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 54822322 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -714.090027 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000761999981 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -714.090027 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000515999971 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 412.700012 |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 106.699997 |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 10.6999998 |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 12.6999998 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 13352 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 14442 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 1024 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 54822322 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -714.090027 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 7.58000024e-005 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -714.090027 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000961999991 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| VehDyn AutoCntrLoSpd M str.Filter2Initialized Cnt Igc | 0 |
| VehDyn ForceCenterEnabled Cnt M lgc | 0 |
| VehDyn_ForceCenterCritisatieu_Crit_w_igc VehDyn_ForceCenterOffset_HwDeg_M_f32 | -1200.5 |
| | 0 |
| VehDyn_HiSpdLearnt_Cnt_M_lgc VehDyn Initialize Cnt M lgc | 1 |
| · | 1 |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | |
| VehDyn_MaxOffset_HwDeg_M_f32 | 1172.87 |
| VehDyn_MinOffset_HwDeg_M_f32 | -363.029999 |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 1.5 |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000483999989 |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.275999993 |
| VehDyn_SLPHwPos_HwDeg_M_f32 | 62.7099991 |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 1050692864 |
| k_HiSpdVDAuthority_Uls_f32 | 0 |
| k_HwTqMgnThd_HwNm_f32 | 0.00120000006 |
| k_LoSpdVDAuthority_UIs_f32 | 0.899999976 |
| k_SrlHwAgVldTiThd_mS_u32 | 112 |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 63.3199997 |
| k_TravelXCDeadband_Uls_f32 | 3.38000011 |
| k_TravelXCHwAuthority_Uls_f32 | 0.212624997 |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 3304439296 |
| target GetSystemTime mS u32 CurrentTime | 824746752 |
| target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedT | |
| target Rte Call Ap VehDyn SystemTime GetSystemTime mS u32 CurrentTime | |
| target Rte Inst Ap VehDyn.VehDyn Per1 CcwEOT HwDeg f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 |
| target Rte Inst Ap VehDyn.VehDyn Per1 CwEOT HwDeg f32 | target VehDyn Per1 CwEOT HwDeg f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target VehDyn Per1 HwTorque HwNm f32 |
| target Rte Inst Ap VehDyn.VehDyn Per1 MotorVelCRF MtrRadpS f32 | target VehDyn Per1 MotorVelCRF MtrRadpS f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f32 |
| target_Rte_Inst_Ap_vehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_Uls_f32 |
| | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc | target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph_f32 |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -430.290009 |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 1076.80298 |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | -1.11000001 |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | -456 |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | -714.090027 |
| | |



| Name | Input Value | | |
|------------------------------------------------------------------|--------------|-----------------------|----------|
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 0 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | -1312.13 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | -4.5999999 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 0 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 230 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 1024 | 1024 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 54822322 | 54822322 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -714.090027 | -714.090027 ± 0.0009 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -714.090027 | -714.090027 ± 0.0009 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 824746752 | 824746752 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 54822322 | 54822322 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -714.090027 | -714.090027 ± 0.0009 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -714.090027 | -714.090027 ± 0.0009 | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 824746752 | 824746752 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 54822322 | 54822322 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -714.090027 | -714.090027 ± 0.0009 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -714.090027 | -714.090027 ± 0.0009 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_MaxOffset_HwDeg_M_f32 | 1172.87 | 1172.87 | ~ |
| VehDyn_MinOffset_HwDeg_M_f32 | 283.800018 | 283.799988 | ~ |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 1.49870157 | 1.49870157 ± 0.000009 | ~ |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 1050692864 | 1050692864 | ~ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 0.275999993 | 0.275999993 ± 0.004 | ~ |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | -651.380005 | -651.380005 ± 0.1 | ✓ |

| T | | | ✓ | |
|----------------------------------------------------|-------|----------------------------------------------------|----------|--------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | • |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | • |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |

| Test Step 3.6 (Repeat Count = 1) | ✓ |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|
| Name | Input Value |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| GetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 34.1399994 |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 86.0999985 |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 4.4000001 |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 25.3999996 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 20423 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 31368 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 1078320779 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 383750110 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1361.30005 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.00080400001 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1361.30005 |



| Name | Input Value |
|----------------------------------------------------------------------|------------------------------------------------|
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.00080400001 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| VehDyn AutoCntrDetSpd M str.Filter2Enable Cnt Igc | 0 |
| | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 566 |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 216 |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 1.10000002 |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 88.4000015 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 53970 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 52282 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 1078320779 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 383750110 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1361.30005 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000592000026 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1361.30005 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000176000001 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 700 |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 86.3000031 |
| VehDyn AutoCntrLoSpd M str.FiltPinTrg HwNm f32 | 6.3000019 |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 86.1999969 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 5235 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 27074 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 1078320779 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 383750110 |
| | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1361.30005 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 5.5799992e-005 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1361.30005 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.00080400001 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 1 |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | -1100.58997 |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 |
| VehDyn_Initialize_Cnt_M_lgc | 1 |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 |
| VehDyn_MaxOffset_HwDeg_M_f32 | 753.541992 |
| VehDyn_MinOffset_HwDeg_M_f32 | -924.486023 |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 3.20000005 |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000399000011 |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.216000006 |
| VehDyn SLPHwPos HwDeg M f32 | -799.130005 |
| VehDyn SrlHwAgVldTimer mS M u32 | 3039943680 |
| k HiSpdVDAuthority UIs f32 | 0 |
| k HwTgMgnThd HwNm f32 | 1.10000002 |
| k_LoSpdVDAuthority_UIs_f32 | 1 |
| k_SrlHwAgVldTiThd_mS_u32 | 1385 |
| k SysKinRatio MtrDegpHwDeg f32 | 78.3000031 |
| | |
| k_TravelXCDeadband_Uls_f32 | 89.900015 |
| k_TraveIXCHwAuthority_UIs_f32 | 0.109724998 |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 1759885568 |
| target_GetSystemTime_mS_u32_CurrentTime | 2728878080 |
| target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed | |
| target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTim | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_Uls_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc | target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph_f32 |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -956.130005 |
| target_veribyit_i or i_oewEo i_liwbeg_ioz.value | 000.100000 |



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|------------------------------------------------------------------|--------------|-----------------------|----------|
| Name | Input Value | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 1215.07898 | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | -6.03999996 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | 753.700012 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | 1361.30005 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 0 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | -1301.87 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | 4.5999999 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 1 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 500.049988 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn AllowHiSpdAutoCntr Cnt M Igc | 0 | 0 | ~ |
| VehDyn AutoCntrDetSpd M str.Timer1 mS u32 | 2728878080 | 2728878080 | ✓ |
| VehDyn AutoCntrDetSpd M str.Timer2 mS u32 | 383750110 | 383750110 | ~ |
| VehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32 | 1361.30005 | 1361.30005 ± 0.009 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1361.30005 | 1361.30005 ± 0.009 | ~ |
| VehDyn AutoCntrDetSpd M str.Filter1Enable Cnt lgc | 0 | 0 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | |
| VehDyn AutoCntrDetSpd M str.Filter1Initialized Cnt Igc | 0 | 0 | ~ |
| VehDyn AutoCntrDetSpd M str.Filter2Initialized Cnt lgc | 1 | 1 | |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 1078320779 | 1078320779 | V |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 383750110 | 383750110 | |
| VehDyn AutoCntrHiSpd M str.RelHwPosFilt1SV HwDeg str.SV Uls f32 | 1361.30005 | 1361.30005 ± 0.009 | <u> </u> |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1361.30005 | 1361.30005 ± 0.009 | |
| VehDyn_AutoCntrhiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | |
| VehDyn AutoCntrHiSpd M str.Filter1Initialized Cnt Igc | 1 | 1 | |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | |
| , = - = = = = = = = = = = = = = = = = = | 2728878080 | 2728878080 | |
| VehDyn_AutoCntrl_oSpd_M_str.Timer1_mS_u32 | 383750110 | 383750110 | |
| VehDyn_AutoCntrl_oCod_M_str.Timer2_mS_u32 | | | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1361.30005 | 1361.30005 ± 0.009 | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1361.30005 | 1361.30005 ± 0.009 | - V |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | Y |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 | 0 | ~ |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_MaxOffset_HwDeg_M_f32 | -146.221069 | -146.220993 | ~ |
| VehDyn_MinOffset_HwDeg_M_f32 | -924.486023 | -924.486023 | ~ |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 3.19633675 | 3.19633675 ± 0.000009 | ~ |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 3039943680 | 3039943680 | ~ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 1 | 1 ± 0.004 | ~ |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | 1600 | 1600 ± 0.1 | ✓ |

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|----------------------------------------------------|-------|----------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ✓ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | • |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | • |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |

| Test Step 3.7 (Repeat Count = 1) | ✓ |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|
| Name | Input Value |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| GetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 200.100006 |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 156.100006 |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 4.0999999 |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 42.0999985 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 7034 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 39056 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 2160073393 |



| Name | Input Value |
|-----------------------------------------------------------------------|------------------------------------------------|
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 2345892860 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -172.389999 |
| VehDyn AutoCntrDetSpd M str.RelHwPosFilt1SV HwDeg str.K Uls f32 | 0.000650000002 |
| | -172.389999 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 11111 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000650000002 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 125.099998 |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 124.5 |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 3.79999995 |
| VehDyn AutoCntrHiSpd M str.CntrWindow HwDeg f32 | 10.5 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 49475 |
| VehDyn AutoCntrHiSpd M str.Timer2Thresh mS u16 | 38708 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 2160073393 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 2345892860 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -172.389999 |
| | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000449999992 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 | -172.389999 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000780000002 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 200.100006 |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 156.100006 |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 4.4000001 |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 42.0999985 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 7034 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 39056 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 2160073393 |
| | |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 2345892860 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -172.389999 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 2.4999994e-005 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -172.389999 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000650000002 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 0 |
| VehDyn ForceCenterOffset HwDeg M f32 | -1000.67999 |
| VehDyn HiSpdLearnt Cnt M Igc | 1 |
| VehDyn_Initialize_Cnt_M_lgc | 0 |
| VehDyn LoSpdLearnt Cnt M Igc | 1 |
| VehDyn MaxOffset HwDeg M f32 | 369.15799 |
| | |
| VehDyn_MinOffset_HwDeg_M_f32 | -1439.15405 |
| VehDyn_PinTrqSV_M_str.SV_UIs_f32 | 7.80000019 |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.00025099999 |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.986999989 |
| VehDyn_SLPHwPos_HwDeg_M_f32 | -1589.15002 |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 1316564736 |
| k_HiSpdVDAuthority_Uls_f32 | 0.899999976 |
| k_HwTqMgnThd_HwNm_f32 | 2.0999999 |
| k_LoSpdVDAuthority_UIs_f32 | 0.330000013 |
| k_SrlHwAgVldTiThd_mS_u32 | 744 |
| k SysKinRatio MtrDegpHwDeg f32 | 10.0200005 |
| k TravelXCDeadband Uls f32 | 1.25 |
| k TravelXCHwAuthority Uls f32 | 0.0153999999 |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 1720406272 |
| target_GetSystemTime_mS_u32_CurrentTime | 4243378688 |
| target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedT | |
| | |
| target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_Uls_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 |
| | · · · · · · · · · · · · · · · · · · · |



| Name | Input Value | | |
|------------------------------------------------------------------|-------------------------------|----------------------|--------|
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCm | dCRF_MtrNm_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc | target_VehDyn_Per1_VehicleSpe | edValid_Cnt_lgc | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpe | ed_Kph_f32 | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -1438.15002 | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 375.23999 | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | -9.10000038 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | -900.210022 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | -172.389999 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 1 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | -1291.60999 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | -8 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 0 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 0 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 | 1 | • |
| VehDyn AutoCntrDetSpd M str.Timer1 mS u32 | 2160073393 | 2160073393 | • |
| VehDyn AutoCntrDetSpd M str.Timer2 mS u32 | 2345892860 | 2345892860 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -172.389999 | -172.389999 ± 0.0009 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -172.389999 | -172.389999 ± 0.0009 | |
| VehDyn AutoCntrDetSpd M str.Filter1Enable Cnt Igc | 0 | 0 | |
| VehDyn AutoCntrDetSpd M str.Filter2Enable Cnt lgc | 0 | 0 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | • |
| VehDyn AutoCntrDetSpd M str.Filter2Initialized Cnt Igc | 1 | 1 | |
| VehDyn AutoCntrHiSpd M str.Timer1 mS u32 | 4243378688 | 4243378688 | |
| VehDyn AutoCntrHiSpd M str.Timer2 mS u32 | 2345892860 | 2345892860 | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -172.389999 | -172.389999 ± 0.0009 | |
| VehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32 | -172.389999 | -172.389999 ± 0.0009 | |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 2160073393 | 2160073393 | |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 2345892860 | 2345892860 | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -172.389999 | -172.389999 ± 0.0009 | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -172.389999 | -172.389999 ± 0.0009 | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 | 1 | |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | 1 | |
| VehDyn_MaxOffset_HwDeg_M_f32 | 375.23999 | 375.23999 | |
| VehDyn_MinOffset_HwDeg_M_f32 | -1438.15002 | -1438.15002 | |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 7.79555798 | 7.7955575 ± 0.000009 | |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 1316564736 | 1316564736 | |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 0.899999976 | 0.89999976 ± 0.004 | • |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | 0 | 0 ± 0.1 | • |

| T | | | V | |
|----------------------------------------------------|-------|----------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ✓ |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |

| Test Step 3.8 (Repeat Count = 1) | | |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|--|
| Name | Input Value | |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime | |
| GetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime | |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime | |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime | |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn | |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 0 | |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 554.099976 | |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 84.0999985 | |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 4.0999999 | |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 52.0999985 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 2291 | |



| Name | Input Value |
|------------------------------------------------------------------------------------------|------------------------------------------------|
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 7778 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 4004004656 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 4211268631 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1415.88 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000936000026 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1415.88 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000936000026 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 456.700012 |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 35.5400009 |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 14.5 |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 75.5 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 33198 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 7778 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 4004004656 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 4211268631 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1415.88 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000736000016 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1415.88 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000464000012 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 456.299988 |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 86.0999985 |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 6.0999999 |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 86.099985 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 5235 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 27074 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 4004004656 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 4211268631 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_UIs_f32 | -1415.88 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 7.31999971e-005 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 | -1415.88 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000936000026 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | -900.77002 |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 |
| VehDyn_Initialize_Cnt_M_lgc | 0 |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 1274 94009 |
| VehDyn_MaxOffset_HwDeg_M_f32 | -1274.84998 |
| VehDyn_MinOffset_HwDeg_M_f32 | -578.070007 -5.4000001 |
| VehDyn_PinTrqSV_M_str.SV_UIs_f32 VehDyn_PinTrqSV_M_str.K_UIs_f32 | -5.4000001 0.000471000007 |
| | 0.0004/100000/ |
| VehDyn_SLPHwAuth_Uls_M_f32 VehDyn_SLPHwPos_HwDeg_M_f32 | 0.216999993 442.329987 |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 2075080192 |
| k HiSpdVDAuthority Uls f32 | 0 |
| k_HwTqMgnThd HwNm f32 | 3.0999999 |
| k_DSpdVDAuthority_UIs_f32 | 3.0999999 |
| k SrlHwAgVldTiThd mS u32 | 700 |
| k SysKinRatio MtrDegpHwDeg f32 | 54.1399994 |
| k_TravelXCDeadband_Uls_f32 | 28.0100002 |
| k_TraveIXCHwAuthority_Uls_f32 | 1 |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 824746752 |
| target_Ottriniciapsed Time_into_usz_clapsed Time target_GetSystemTime_mS_us2_CurrentTime | 2242866176 |
| target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedTi | |
| | |
| target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_Uls_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 |



| target_VehDyn_Per1_SrlHwAgVld_target_VehDyn_Per1_SrlHwAg_Hwltarget_VehDyn_Per1_TorqueCmdCltarget_VehDyn_Per1_VehicleSpeedtarget_VehDyn_Per1_VehicleSpeedtarget_VehDyn_Per1_VehicleSpeedtarget_VehDyn_Per1_VehicleSpeedtarget_VehDyn_Per1_VehicleSpeedtarget_VehDyn_Per1_VehicleSpeedtarget_VehDyn_Per1_VehicleSpeedtarget_VehDyn_Per1_VehicleSpeedtarget_VehDyn_Per1_VehicleSpeedtarget_VehDyn_Per1_VehicleSpeedtarget_VehDyn_Per1_VehicleSpeedtarget_VehDyn_Per1_VehicleSpeedtarget_VehDyn_Per1_VehicleSpeedtarget_VehDyn_Per1_VehicleSpeedtarget_VehDyn_Per1_VehicleSpeedtarget_VehDyn_Per1_VehicleSpeedtarget_VehDyn_Per1_VehicleSpeedtarget_VehDyn_Per1_VehicleSpeedtarget_VehDyn_Per1_VehicleSpeedtarget_VehDyn_Per1_VehicleSpeedtarget_VehDyn_Per1_VehicleSpeedtarget_VehDyn_Per1_VehicleSpeedtarget_VehDyn_Per1_VehicleSpeedtarget_VehDyn_Per1_VehicleSpeedtarget_VehDyn_Per1_VehicleSpeedtarget_VehDyn_Per1_VehicleSpeedtarget_VehDyn_Per1_VehicleSpeedtarget_VehDyn_Per1_VehicleSpeedtarget_VehDyn_Per1_VehicleSpeedtarget_VehDyn_Per1_VehicleSpeedtarget_VehDyn_Per1_VehicleSpeedtarget_VehDyn_Per1_VehicleSpeedtarget_VehDyn_Per1_VehicleSpeedtarget_VehDyn_Per1_VehicleSpeedtarget_VehDyn_Per1_VehicleSpeedtarget_VehDyn_Per1_VehicleSpeedtarget_VehDyn_Per1_VehicleSpeedtarget_VehDyn_Per1_VehicleSpeedtarget_VehDyn_Per1_VehicleSpeedtarget_VehDyn_Per1_VehicleSpeedtarget_VehDyn_Per1_VehicleSpeedtarget_VehDyn_Per1_VehicleSpeedtarget_VehDyn_Per1_VehicleSpeedtarget_VehDyn_Per1_VehicleSpeedtarget_VehDyn_Per1_VehicleSpeedtarget_VehDyn_Per1_VehicleSpeedtarget_VehDyn_Per1_VehicleSpeedtarget_VehDyn_Per1_VehicleSpeedtarget_VehDyn_Per1_VehicleSpeedtarget_VehDyn_Per1_VehicleSpeedtarget_VehDyn_Per1_VehicleSpeedtarget_VehDyn_Per1_VehicleSpeedtarget_VehDyn_Per1_VehicleSpeedtarget_VehicleSpeedtarget_VehicleSpeedtarget_VehicleSpeedtarget_VehicleSpeedtarget_VehicleSpeedtarget_VehicleSpeedtarget_VehicleSpeedtarget_VehicleSpeedtarget_VehicleSpeedtarget_VehicleSpeedtarget_VehicleSpeedtarget_VehicleSpeedtarget_VehicleSpeedtarget_VehicleSpeedtarget_VehicleSpeedtarget_VehicleSpeedtarget_Ve | Deg_f32 RF_MtrNm_f32 IValid_Cnt_lgc | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| target_VehDyn_Per1_TorqueCmdCl target_VehDyn_Per1_VehicleSpeed target_VehDyn_Per1_VehicleSpeed -515.830017 904.164001 -5.17999983 -835.299988 -1415.88 1 -1281.34998 1.29999995 0 | RF_MtrNm_f32 Valid_Cnt_lgc | |
| target_VehDyn_Per1_VehicleSpeed target_VehDyn_Per1_VehicleSpeed -515.830017 904.164001 -5.17999983 -835.299988 -1415.88 1 -1281.34998 1.29999995 | IValid_Cnt_lgc | |
| target_VehDyn_Per1_VehicleSpeed -515.830017 904.164001 -5.17999983 -835.299988 -1415.88 1 -1281.34998 1.29999995 | | |
| -515.830017 904.164001 -5.17999983 -835.299988 -1415.88 1 -1281.34998 1.29999995 | I_Kph_f32 | |
| 904.164001 -5.17999983 -835.299988 -1415.88 1 -1281.34998 1.29999995 | | |
| -5.17999983 -835.299988 -1415.88 1 -1281.34998 1.29999995 | | |
| -835.299988 -1415.88 1 -1281.34998 1.29999995 | | |
| -1415.88 1 -1281.34998 1.29999995 | | |
| 1 -1281.34998 1.29999995 0 | | |
| -1281.34998 1.29999995 0 | | |
| 1.29999995 | | |
| 0 | | |
| - | | |
| 499.640015 | | |
| | | |
| Actual Value | Expected Value | Result |
| 0 | 0 | ~ |
| 2242866176 | 2242866176 | ✓ |
| 4211268631 | 4211268631 | ~ |
| -1415.88 | -1415.88 ± 0.009 | ✓ |
| -1415.88 | -1415.88 ± 0.009 | ✓ |
| 0 | 0 | ✓ |
| 0 | 0 | • |
| 0 | 0 | ✓ |
| 1 | 1 | ✓ |
| 4004004656 | 4004004656 | • |
| 4211268631 | 4211268631 | |
| -1415.88 | -1415.88 ± 0.009 | ✓ |
| -1415.88 | -1415.88 ± 0.009 | ✓ |
| 0 | 0 | ✓ |
| 1 | 1 | ~ |
| 1 | 1 | ✓ |
| 0 | 0 | |
| 4004004656 | 4004004656 | • |
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| | | |
| | | |
| | Actual Value 0 2242866176 4211268631 -1415.88 -1415.88 0 0 0 1 4004004656 4211268631 -1415.88 0 1 1 1 0 4004004656 4211268631 -1415.88 -1415.88 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | Actual Value 0 0 2242866176 2242866176 4211268631 -1415.88 -1415.88 -1415.88 -1415.88 + 0.009 0 0 0 0 0 0 1 1 1 4004004656 4211268631 -1415.88 -1415.88 -1415.88 -1415.88 -1415.88 -1415.88 -1415.88 -1415.88 -1415.88 -1415.88 -1415.88 -1415.88 -1415.88 -1415.88 -1415.88 -1415.88 -1415.88 -1415.88 -1415.88 -1415.88 -1415.88 -1415.88 -1415.88 -1415.88 -1415.88 -1415.88 -1415.88 -1415.88 -1415.88 -1415.88 -1415.88 -1415.88 -1415.88 -1415.88 -1415.88 -1415.88 -1415.88 -1415.88 -1415.88 -1415.88 -1415.88 -1415.88 -1415.88 -1415.88 -1415.88 -1415.88 -1415.88 -1515.83017 -515.830017 -515.830017 -515.8300192 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 |

| T . | | | V | |
|----------------------------------------------------|-------|----------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | • |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | • |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ✓ |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | • |

| Test Step 3.9 (Repeat Count = 1) | | |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|--|
| Name | Input Value | |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime | |
| GetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime | |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime | |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime | |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn | |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 | |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 554.799988 | |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 126.800003 | |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 14.8000002 | |



| | (|
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Name | Input Value |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 96.8000031 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 33198 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 27074 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 3174948758 |
| | 3174948758 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1590.80005 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000980000012 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1590.80005 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000980000012 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 120 |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 116.599998 |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 4.4000001 |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 32 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 25532 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 27401 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 3174948758 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 3174948758 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1590.80005 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000780000002 |
| VehDyn AutoCntrHiSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32 | 1590.80005 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000552000012 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 120 |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 156 |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 13.5 |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 10 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 30404 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 30349 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 3174948758 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 3174948758 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1590.80005 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 7.76000015e-005 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1590.80005 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000980000012 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 1 |
| VehDyn ForceCenterOffset HwDeg M f32 | -800.859985 |
| VehDyn HiSpdLearnt Cnt M Igc | 1 |
| VehDyn Initialize Cnt M lgc | 1 |
| VehDyn_initialize_Cht_M_igc | 0 |
| VehDyn_LoSputeamt_Cht_In_lgc VehDyn_MaxOffset_HwDeq_M_f32 | 1232.77405 |
| VenDyn_MaxOnset_mwDeg_M_i32 VehDyn_MinOffset_HwDeg_M_f32 | -443.670013 |
| · | |
| VehDyn_PinTrqSV_M_str.SV_UIs_f32 | 13.8999996 |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000493000029 |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.0480000004 |
| VehDyn_SLPHwPos_HwDeg_M_f32 | 185.830002 |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 4294967295 |
| k_HiSpdVDAuthority_Uls_f32 | 0 |
| k_HwTqMgnThd_HwNm_f32 | 4.0999999 |
| k_LoSpdVDAuthority_Uls_f32 | 1 |
| k_SrlHwAgVldTiThd_mS_u32 | 701 |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 54.1199989 |
| k_TravelXCDeadband_Uls_f32 | 17.0200005 |
| k_TraveIXCHwAuthority_UIs_f32 | 0.227325007 |
| | |
| | 812314880 |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 812314880 |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime target_GetSystemTime_mS_u32_CurrentTime | 812314880 3941357312 |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime target_GetSystemTime_mS_u32_CurrentTime target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedT | 812314880 3941357312 14243378688 |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime target_GetSystemTime_mS_u32_CurrentTime target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedT target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime | 812314880 3941357312 4243378688 954802432 |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime target_GetSystemTime_mS_u32_CurrentTime target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedT target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 | 812314880 3941357312 7 4243378688 954802432 target_VehDyn_Per1_CcwEOT_HwDeg_f32 |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime target_GetSystemTime_mS_u32_CurrentTime target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedT target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | 812314880 3941357312 74243378688 954802432 target_VehDyn_Per1_CcwEOT_HwDeg_f32 target_VehDyn_Per1_CwEOT_HwDeg_f32 |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime target_GetSystemTime_mS_u32_CurrentTime target_GetSystemTime_mS_u32_CurrentTime target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_CurrentTime target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | 812314880 3941357312 7 4243378688 9 554802432 target_VehDyn_Per1_CcwEOT_HwDeg_f32 target_VehDyn_Per1_CwEOT_HwDeg_f32 target_VehDyn_Per1_HwTorque_HwNm_f32 |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime target_GetSystemTime_mS_u32_CurrentTime target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedT target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | 812314880 3941357312 74243378688 954802432 target_VehDyn_Per1_CcwEOT_HwDeg_f32 target_VehDyn_Per1_CwEOT_HwDeg_f32 |



| Name | Input Value | | |
|-------------------------------------------------------------------|------------------------------------|----------------------|----------|
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAutho | ority_Uls_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPo | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc | target_VehDyn_Per1_SrlHwAgVld_Cnt | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target VehDyn Per1 SrlHwAg HwDeo | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF | MtrNm f32 | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc | target VehDyn Per1 VehicleSpeedVa | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_K | • | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -369.149994 | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 1009.97498 | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | -2.43000007 | | |
| target VehDyn Per1 MotorVelCRF MtrRadpS f32.value | -835 | | |
| target VehDyn Per1 RelHwPos HwDeg f32.value | 1590.80005 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 0 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | -1271.08997 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | -1.79999995 | | |
| target VehDyn Per1 VehicleSpeedValid Cnt Igc.value | 1 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 127 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 | 1 | result |
| VehDyn AutoCntrDetSpd M str.Timer1 mS u32 | 3174948758 | 3174948758 | _ |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 3174948758 | 3174948758 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1590.80005 | 1590.80005 ± 0.009 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1590.80005 | 1590.80005 ± 0.009 | |
| | 1 | 1390.00003 1 0.009 | |
| VehDyn_AutoCotrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | |
| VehDyn_AutoCotrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_Igc | 3941357312 | 3941357312 | |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 3174948758 | 3174948758 | |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 1590.80005 | 1590.80005 ± 0.009 | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDog_str.SV_Uls_f32 | 1590.80005 | 1590.80005 ± 0.009 | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 0 | 0 | |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | Ž |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | | | |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | Ž |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 3174948758 | 3174948758 | |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 3174948758 1590.80005 | 3174948758 | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | | 1590.80005 ± 0.009 | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1590.80005 | 1590.80005 ± 0.009 | Ž |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 | 1 | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | <u> </u> |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 1 | 1 | |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | • |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 | 0 | |
| VehDyn_MaxOffset_HwDeg_M_f32 | -580.825073 | -580.825012 | ~ |
| VehDyn_MinOffset_HwDeg_M_f32 | -443.670013 | -443.670013 | ~ |
| VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 13.8919325 | 13.8919325 ± 0.00009 | ~ |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 4294967295 | 4294967295 | ~ |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 1 | 1 ± 0.004 | ~ |
| target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value | 1600 | 1600 ± 0.1 | ✓ |

| T | | | | ✓ |
|-------------------------------------------------------|-------|-------------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Rte Call VehDvn Per1 CP1 CheckpointReached | 1 | Rte Call VehDvn Per1 CP1 CheckpointReached | 1 | _ |

| Test Step 3.10 (Repeat Count = 1) | 🗸 |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|
| Name | Input Value |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| GetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 34.1399994 |



| | (|
|----------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|
| Name | Input Value |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 86.0999985 |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 4.4000001 |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 25.3999996 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 20423 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 31368 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 1078320779 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 383750110 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1361.30005 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.00080400001 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1361.30005 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.00080400001 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 566 |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 216 |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 1.10000002 |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 88.4000015 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 53970 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 52282 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 1078320779 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 383750110 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1361.30005 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000592000026 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1361.30005 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000176000001 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 700 |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 86.3000031 |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 6.30000019 |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 86.1999969 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 5235 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 27074 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 1078320779 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 383750110 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1361.30005 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 5.57999992e-005 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1361.30005 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.00080400001 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_Igc | 0 |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 1 |
| VehDyn ForceCenterOffset HwDeg M f32 | -700.950012 |
| VehDyn HiSpdLearnt Cnt M Igc | 0 |
| VehDyn_Initialize_Cnt_M_lgc | 1 |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 |
| VehDyn_MaxOffset_HwDeg_M_f32 | 753.541992 |
| VehDyn_MinOffset_HwDeg_M_f32 | -924.486023 |
| VehDyn_PinTrqSV_M_str.SV_UIs_f32 | 3.20000005 |
| VehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000399000011 |
| VehDyn_SLPHwAuth_Uls_M_f32 | 0.216000006 |
| VehDyn SLPHwPos HwDeg M f32 | -799.130005 |
| VehDyn SrlHwAgVldTimer mS M u32 | 2728878080 |
| k HiSpdVDAuthority Uls f32 | 0 |
| k_HwTqMgnThd_HwNm_f32 | 5.0999999 |
| k_LoSpdVDAuthority_Uls_f32 | 1 |
| k_SrlHwAgVldTiThd_mS_u32 | 702 |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 78.3000031 |
| k TravelXCDeadband Uls f32 | 89.9000015 |
| k_TraveIXCHwAuthority Uls f32 | 0.109724998 |
| target DtrmnElapsedTime mS u32 ElapsedTime | 1759885568 |
| target_Dtrifficiansed fiffe_fits_usz_clapsed fiffe target_GetSystemTime_mS_us2_CurrentTime | 2728878080 |
| target_Getsystemmine_ms_usz_currentmine target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedT | |
| target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_CurrentTime_ target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime | |
| target_Rte_Call_Ap_venDyn_System+line_Getsystem+line_ms_usz_current+line target_Rte_Inst_Ap_vehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 |
| | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwNm_f32 |



| Name | Input Value | | |
|-------------------------------------------------------------------|--------------------------------|-----------------------|--------|
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCF | RF_MtrRadpS_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_ | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_Sensorless. | Authority_Uls_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_Sensorless | HwPos_HwDeg_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_Igc | target_VehDyn_Per1_SrlHwAgVlo | I_Cnt_lgc | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_H | wDeg_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmo | ICRF_MtrNm_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc | target_VehDyn_Per1_VehicleSpe | edValid_Cnt_lgc | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpe | ed_Kph_f32 | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -956.130005 | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 1215.07898 | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | -6.03999996 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | 753.700012 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | 1361.30005 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 0 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | -1260.82996 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | 4.5999999 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 1 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 500.049988 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 | 1 | • |
| VehDyn AutoCntrDetSpd M str.Timer1 mS u32 | 2728878080 | 2728878080 | • |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 383750110 | 383750110 | |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1361.30005 | 1361.30005 ± 0.009 | |
| VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32 | 1361.30005 | 1361.30005 ± 0.009 | |
| VehDyn AutoCntrDetSpd M str.Filter1Enable Cnt lgc | 0 | 0 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 | 1 | |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 2728878080 | 2728878080 | |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 383750110 | 383750110 | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1361.30005 | 1361.30005 ± 0.009 | |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1361.30005 | 1361.30005 ± 0.009 | |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 1 | 1 | |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | |
| VehDyn AutoCntrLoSpd M str.Timer1 mS u32 | 2728878080 | 2728878080 | |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 383750110 | 383750110 | |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1361.30005 | 1361.30005 ± 0.009 | |
| VehDyn AutoCntrLoSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32 | 1361.30005 | 1361.30005 ± 0.009 | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_Igc | 0 | 0 | |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_Igc | 0 | 0 | |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 | 0 | |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | • |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | 1 | |
| VehDyn_MaxOffset_HwDeg_M_f32 | -146.221069 | -146.220993 | ٠, |
| VehDyn_MinOffset_HwDeg_M_f32 | -924.486023 | -924.486023 | |
| VehDyn_PinTrqSV_M_str.SV_UIs_f32 | 3.19633675 | 3.19633675 ± 0.000009 | |
| VehDyn_SrlHwAgVldTimer_mS_M_u32 | 2728878080 | 2728878080 | |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 1 | 1 ± 0.004 | |
| target VehDyn Per1 SensorlessHwPos HwDeg f32.value | 1600 | 1600 ± 0.1 | |

| T | | | | ✓ |
|----------------------------------------------------|-------|----------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 2 | GetSystemTime_mS_u32 | 2 | ~ |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |

| Test Step 3.11 (Repeat Count = 1) | ✓ |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|
| Name | Input Value |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| GetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |



| lame | Input Value |
|-----------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| /ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 0 |
| ehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 0 |
| /ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 0 |
| /ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 0 |
| /ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 /ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 0 |
| /ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 0 |
| /ehDyn_AutoCntrDetSpd_M_str.Timer2+mest_ms_u32 | 0 |
| /ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 0 |
| /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1600 |
| /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 2.51327106e-006 |
| /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1600 |
| /ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 2.51327106e-006 |
| ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| /ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| /ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_Igc | 0 |
| ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 0 |
| ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 0 |
| ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 0 |
| ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 0 |
| ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 0 |
| /ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 0 |
| /ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 0 |
| ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 0 |
| /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1600 |
| /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 2.51327106e-006 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1600 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 2.51327106e-006 |
| ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| ehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| /ehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| /ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 0 |
| /ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 0 |
| /ehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 0 |
| ehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 0 |
| /ehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 0 |
| ehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 0 |
| ehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 0 |
| /ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 0 |
| /ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1600 |
| ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 2.51327106e-006 |
| ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1600 |
| ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 2.51327106e-006 |
| ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| ehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| /ehDyn_ForceCenterEnabled_Cnt_M_lgc | 1 |
| ehDyn_ForceCenterOffset_HwDeg_M_f32 | -601.039978 |
| ehDyn_HiSpdLearnt_Cnt_M_lgc | 0 |
| ehDyn_Initialize_Cnt_M_lgc | 0 |
| ehDyn_LoSpdLearnt_Cnt_M_lgc | 0 |
| ehDyn_MaxOffset_HwDeg_M_f32 | -2840 |
| ehDyn_MinOffset_HwDeg_M_f32 | -1440.10999 |
| ehDyn_PinTrqSV_M_str.SV_Uls_f32 | -18.7999992 |
| ehDyn_PinTrqSV_M_str.K_Uls_f32 | 2.51327106e-006 |
| ehDyn_SLPHwAuth_Uls_M_f32 | 0 |
| ehDyn_SLPHwPos_HwDeg_M_f32 | -1600 |
| ehDyn_SrlHwAgVldTimer_mS_M_u32 | 824746752 |
| _HiSpdVDAuthority_Uls_f32 | 0 |
| _HwTqMgnThd_HwNm_f32 | 6.0999999 |
| _LoSpdVDAuthority_Uls_f32 | 0 |
| _SrlHwAgVldTiThd_mS_u32 | 703 |
| _SysKinRatio_MtrDegpHwDeg_f32 | 1 |
| TraveIXCDeadband_UIs_f32 | 0 |
| TravelXCHwAuthority_Uls_f32 | 0 |
| arget_DtrmnElapsedTime_mS_u32_ElapsedTime | 0 |
| arget_GetSystemTime_mS_u32_CurrentTime | 0 |



| Name | Input Value | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|-----------------------|----------|
| $target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u332_CurrentTime_mS_u322_CurrentTim$ | me 824746752 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32 | target_VehDyn_Per1_CcwEOT_HwDe | g_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg | _f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target_VehDyn_Per1_HwTorque_HwN | m_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_N | trRadpS_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwD | eg_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAutho | prity_Uls_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPo | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc | target_VehDyn_Per1_SrlHwAgVld_Cn | _lgc | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDe | g_f32 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_Igc | target_VehDyn_Per1_VehicleSpeedVa | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_K | ph_f32 | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -1440.10999 | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 360 | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | -10 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | -1118 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | -1600 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 1 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | -1250.56995 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | -8.80000019 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 0 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 0 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 0 | 0 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 0 | 0 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1600 | -1600 ± 0.009 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1600 | -1600 ± 0.009 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_Igc | 0 | 0 | ~ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 0 | 0 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 0 | 0 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1600 | -1600 ± 0.009 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1600 | -1600 ± 0.009 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1600 | -1600 ± 0.009 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1600 | -1600 ± 0.009 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 | 1 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ~ |
| VehDyn_HiSpdLearnt_Cnt_M_lgc | 0 | 0 | ✓ |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_MaxOffset_HwDeg_M_f32 | 360 | 360 | ~ |
| VehDyn_MinOffset_HwDeg_M_f32 | -1440.10999 | -1440.10999 | ✓ |
| VehDyn_PinTrqSV_M_str.SV_UIs_f32 | -18.7999992 | -18.7999992 ± 0.00009 | ~ |
| VehDyn SrlHwAgVldTimer mS M u32 | 824746752 | 824746752 | ✓ |
| venbyn_oni iwagvid rimer_mo_ivi_uoz | | | |
| target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value | 1 | 1 ± 0.004 | ~ |

| T | | | | ✓ |
|----------------------------------------------------|-------|----------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | • |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 2 | GetSystemTime_mS_u32 | 2 | • |
| Rte Call VehDyn Per1 CP1 CheckpointReached | 1 | Rte Call VehDyn Per1 CP1 CheckpointReached | 1 | ~ |

| Test Step 3.12 (Repeat Count = 1) | ✓ |
|--------------------------------------|--------------------------------------------|
| Name | Input Value |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |



| Name | Input Value |
|---------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|
| GetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 | 0 |
| VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 0 0 |
| VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 0 |
| VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 0 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1600 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 2.51327106e-006 |
| VehDyn AutoCntrDetSpd M str.RelHwPosFilt2SV HwDeg str.SV Uls f32 | -1600 |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 2.51327106e-006 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_Igc | 0 |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 0 |
| VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 0 |
| VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 0 |
| VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 0 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1600 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 2.51327106e-006 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1600 |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 2.51327106e-006 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 0 |
| VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 0 |
| VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 | 0 |
| VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32 | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16 | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 0 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1600 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 2.51327106e-006 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_UIs_f32 | -1600 |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 2.51327106e-006 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 0 -1600 |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 VehDyn HiSpdLearnt Cnt M lgc | -1600 |
| | 0 |
| VehDyn_Initialize_Cnt_M_lgc | 0 |
| VehDyn_LoSpdLearnt_Cnt_M_lgc VehDyn MaxOffset HwDeg M f32 | 0 -2840 |
| VenDyn_MaxOffset_HwDeg_M_132 VehDyn_MinOffset_HwDeg_M_132 | -1440.10999 |
| VenDyn_nintonset_nwDeg_m_i32 VenDyn_PinTrqSV_M_str.SV_UIs_f32 | -1440.10999 -18.7999992 |
| VenDyn_PinTrqSv_M_str.Sv_Dis_i32 VehDyn_PinTrqSV_M_str.K_Uls_f32 | 2.51327106e-006 |
| VenDyn_Pin1rqSv_iw_str.k_ois_i32 VehDyn_SLPHwAuth_Uls_M_f32 | 2.513271006-000 |
| VenDyn_SLPHwPos_HwDeg_M_f32 | -1600 |
| VenDyn_SrlHwPos_nwDeg_w_i32 VenDyn_SrlHwAgVldTimer_mS_M_u32 | 824746752 |
| venDyn_sriHwagvid i imer_ms_ivi_u32 k_HiSpdVDAuthority_Uls_f32 | 0 |
| k_HispavDAuthority_Uis_132 k_HwTqMgnThd_HwNm_f32 | 7.099999 |
| k_nw1qwgr1ffd_riwnff_i32 k_LoSpdVDAuthority_Uls_f32 | 0 |
| k_cospayDAuthority_crs_is2 k_SrlHwAgVldTiThd_mS_u32 | 9000 |
| k_SysKinRatio_MtrDegpHwDeg_f32 | 1 |
| k_TravelXCDeadband_Uls_f32 | 20 |
| | 1 |
| k_TravelXCHwAuthority_Uls_f32 | |



| Name | Input Value | | |
|------------------------------------------------------------------------|------------------------------------------|-----------------------|----------|
| target_GetSystemTime_mS_u32_CurrentTime | 0 | | |
| target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedTi | | | |
| | 824746752 | | |
| target Rte Inst Ap VehDyn.VehDyn Per1 CcwEOT HwDeg f32 | target VehDyn Per1 CcwEOT HwDeg f32 | | |
| target Rte Inst Ap VehDyn.VehDyn Per1 CwEOT HwDeg f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32 | target VehDyn Per1 HwTorque HwNm f32 | | |
| target Rte Inst Ap VehDyn.VehDyn Per1 MotorVelCRF MtrRadpS f32 | target VehDyn Per1 MotorVelCRF MtrRad | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_RelHwPos_HwDeg_f32 | target_VehDyn_Per1_RelHwPos_HwDeg_f3. | | |
| target Rte Inst Ap VehDyn.VehDyn Per1 SensorlessAuthority Uls f32 | target_VehDyn_Per1_SensorlessAuthority_L | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | target_VehDyn_Per1_SensorlessHwPos_Hw | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAgVld_Cnt_Igc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc | V = | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target VehDyn Per1 TorqueCmdCRF MtrN | m f32 | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeedValid_Cnt_Igc | target_VehDyn_Per1_VehicleSpeedValid_Cr | _ | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph_f3. | | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -1250 | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 360 | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | -10 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | -1118 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | -1600 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 1 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | -1240.31006 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | -8.80000019 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 0 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 0 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn AllowHiSpdAutoCntr Cnt M lgc | 0 | 0 | _ |
| VehDyn AutoCntrDetSpd M str.Timer1 mS u32 | 0 | 0 | • |
| VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 0 | 0 | _ |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1600 | -1600 ± 0.009 | - |
| VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1600 | -1600 ± 0.009 | _ |
| VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | - |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | - |
| VehDyn AutoCntrDetSpd M str.Filter1Initialized Cnt Igc | 0 | 0 | ✓ |
| VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | - |
| VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 0 | 0 | • |
| VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 0 | 0 | • |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1600 | -1600 ± 0.009 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1600 | -1600 ± 0.009 | ✓ |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 | 0 | 0 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 0 | 0 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1600 | -1600 ± 0.009 | ✓ |
| VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1600 | -1600 ± 0.009 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 0 | 0 | • |
| VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 | 0 | • |
| VehDyn HiSpdLearnt Cnt M Igc | 0 | 0 | ✓ |
| VehDyn_Initialize_Cnt_M_lgc | 1 | 1 | |
| VehDyn_LoSpdLearnt_Cnt_M_lgc | 0 | 0 | • |
| VehDyn MaxOffset HwDeg M f32 | 360 | 360 | |
| VCIIDYII_IMAXOII3CL_I IWDCG_IVI_I32 | | -1250 | • |
| · | -1250 | | |
| VehDyn_MinOffset_HwDeg_M_f32 | -1250 -18.7999992 | -18.7999992 ± 0.00009 | - |
| VehDyn_MinOffset_HwDeg_M_f32 VehDyn_PinTrqSV_M_str.SV_Uls_f32 | | | |
| VehDyn_MinOffset_HwDeg_M_f32 | -18.7999992 | -18.7999992 ± 0.00009 | |

| Τ | | | | ✓ |
|----------------------------------------------------|-------|----------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32 | 1 | • |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | • |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | • |



| Name | Input Value |
|---------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|
| OtrmnElapsedTime_mS_u32(ElapsedTime) | target_DtrmnElapsedTime_mS_u32_ElapsedTime |
| GetSystemTime_mS_u32(CurrentTime) | target_GetSystemTime_mS_u32_CurrentTime |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) | target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedTime |
| Rte Call Ap VehDyn SystemTime GetSystemTime mS u32(CurrentTime) | target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime |
| Rte_Inst_Ap_VehDyn | target_Rte_Inst_Ap_VehDyn |
| /ehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 |
| ehDyn AutoCntrDetSpd M str.MtrVel MtrRadpS f32 | 9.5 |
| /ehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 | 146.5 |
| ehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 | 0 |
| ehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 | 78.5 |
| ehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 | 21335 |
| ehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 | 34188 |
| ehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 2967684784 |
| ehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 2138628886 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 969.01001 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000882000022 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 969.01001 |
| ehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000882000022 |
| ehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 |
| ehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| /ehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 0 |
| /ehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| /ehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 | 2.20000005 |
| ehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 | 76.5 |
| /ehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 | 4 |
| /ehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 | 97.1999969 |
| /ehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 | 16683 |
| /ehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 | 22497 |
| ehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 | 2967684784 |
| /ehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 2138628886 |
| ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 969.01001 0.000682000013 |
| /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 969.01001 |
| /ehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000356000004 |
| ehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| ehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc | 0 |
| ehDyn AutoCntrHiSpd M str.Filter1Initialized Cnt Igc | 0 |
| /ehDyn AutoCntrHiSpd M str.Filter2Initialized Cnt lgc | 1 |
| /ehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32 | 2.70000005 |
| /ehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 | 136.699997 |
| /ehDyn AutoCntrLoSpd M str.FiltPinTrg HwNm f32 | 14.699998 |
| ehDyn AutoCntrLoSpd M str.CntrWindow HwDeg f32 | 96.6999969 |
| ehDyn AutoCntrLoSpd M str.Timer1Thresh mS u16 | 21364 |
| ehDyn AutoCntrLoSpd M str.Timer2Thresh mS u16 | 52716 |
| ehDyn AutoCntrLoSpd M str.Timer1 mS u32 | 2967684784 |
| ehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 | 2138628886 |
| ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 969.01001 |
| ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 6.77999997e-005 |
| ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 969.01001 |
| ehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000882000022 |
| ehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc | 0 |
| ehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc | 1 |
| ehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc | 1 |
| ehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc | 0 |
| ehDyn_ForceCenterEnabled_Cnt_M_lgc | 0 |
| ehDyn_ForceCenterOffset_HwDeg_M_f32 | 997.52002 |
| ehDyn_HiSpdLearnt_Cnt_M_lgc | 0 |
| ehDyn_Initialize_Cnt_M_Igc | 1 |
| ehDyn_LoSpdLearnt_Cnt_M_lgc | 0 |
| ehDyn_MaxOffset_HwDeg_M_f32 | 978 |
| hDyn_MinOffset_HwDeg_M_f32 | -623 |
| ehDyn_PinTrqSV_M_str.SV_Uls_f32 | 7.80000019 |
| ehDyn_PinTrqSV_M_str.K_Uls_f32 | 0.000444000005 |
| ehDyn_SLPHwAuth_Uls_M_f32 | 0.981000006 |
| ehDyn_SLPHwPos_HwDeg_M_f32 | -337.429993 |
| ehDyn_SrlHwAgVldTimer_mS_M_u32 | 1262472576 |
| _HiSpdVDAuthority_Uls_f32 | 0.800000012 |
| _HwTqMgnThd_HwNm_f32 | 9.19999981 |
| _LoSpdVDAuthority_Uls_f32 | 0 |
| _SrlHwAgVldTiThd_mS_u32 | 65 |
| _SysKinRatio_MtrDegpHwDeg_f32 | 86.3000031 |
| | |



| Name | Input Value | | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|
| k_TravelXCDeadband_Uls_f32 | 43.5499992 | | |
| k_TravelXCHwAuthority_Uls_f32 | 0.164849997 | | |
| target_DtrmnElapsedTime_mS_u32_ElapsedTime | 2059598336 | | |
| target_GetSystemTime_mS_u32_CurrentTime | 1117112832 | | |
| target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedT | 824746752 | | |
| target Rte Call Ap VehDyn SystemTime GetSystemTime mS u32 CurrentTime | | | |
| target Rte Inst Ap VehDyn.VehDyn Per1 CcwEOT HwDeg f32 | target_VehDyn_Per1_CcwEOT_HwDeg_f32 |) | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32 | target_VehDyn_Per1_CwEOT_HwDeg_f32 | | |
| target Rte Inst Ap VehDyn.VehDyn Per1 HwTorque HwNm f32 | target_VehDyn_Per1_HwTorque_HwNm_f3 | 2 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32 | target_VehDyn_Per1_MotorVelCRF_MtrRad | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_RelHwPos_HwDeg_f32 | target VehDyn Per1 RelHwPos HwDeg fo | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32 | target_VehDyn_Per1_SensorlessAuthority_ | | |
| | target VehDyn Per1 SensorlessHwPos H | | |
| target_Rte_Inst_Ap_VehDyn_VehDyn_Per1_SensorlessHwPos_HwDeg_f32 | , | WDeg_132 | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc | target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32 | target_VehDyn_Per1_SrlHwAg_HwDeg_f32 | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32 | target_VehDyn_Per1_TorqueCmdCRF_Mtrl | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc | target_VehDyn_Per1_VehicleSpeedValid_C | | |
| target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32 | target_VehDyn_Per1_VehicleSpeed_Kph_f3 | 32 | |
| target_VehDyn_Per1_CcwEOT_HwDeg_f32.value | -674 | | |
| target_VehDyn_Per1_CwEOT_HwDeg_f32.value | 1293 | | |
| target_VehDyn_Per1_HwTorque_HwNm_f32.value | -1.70000005 | | |
| target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value | -900.549988 | | |
| target_VehDyn_Per1_RelHwPos_HwDeg_f32.value | 969.01001 | | |
| target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value | 1 | | |
| target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value | -337.429993 | | |
| target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value | 8.19999981 | | |
| target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value | 0 | | |
| target_VehDyn_Per1_VehicleSpeed_Kph_f32.value | 123.459999 | | |
| Namo | Actual Value | Expected Value | Res |
| Name | | | |
| | 1 | 1 | ites |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc | 1 | 1 | Res |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 1 2967684784 | 1 2967684784 | INES |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 | 1 2967684784 2138628886 | 1 2967684784 2138628886 | Kes |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1 2967684784 2138628886 969.01001 | 1 2967684784 2138628886 969.01001 ± 0.0009 | i des |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1 2967684784 2138628886 969.01001 969.01001 | 1 2967684784 2138628886 969.01001 ± 0.0009 969.01001 ± 0.0009 | ites |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc | 1 2967684784 2138628886 969.01001 969.01001 | 1 2967684784 2138628886 969.01001 ± 0.0009 969.01001 ± 0.0009 | ites |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc | 1 2967684784 2138628886 969.01001 1 | 1 2967684784 2138628886 969.01001 ± 0.0009 969.01001 ± 0.0009 1 | ites |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc | 1 2967684784 2138628886 969.01001 1 1 | 1 2967684784 2138628886 969.01001 ± 0.0009 969.01001 ± 0.0009 1 1 | ites |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc | 1 2967684784 2138628886 969.01001 1 1 0 | 1 2967684784 2138628886 969.01001 ± 0.0009 969.01001 ± 0.0009 1 1 0 | ites |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 | 1 2967684784 2138628886 969.01001 969.01001 1 1 0 0 | 1 2967684784 2138628886 969.01001 ± 0.0009 969.01001 ± 0.0009 1 1 0 0 | ites |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 | 1 2967684784 2138628886 969.01001 969.01001 1 1 0 0 0 1117112832 2138628886 | 1 2967684784 2138628886 969.01001 ± 0.0009 969.01001 ± 0.0009 1 1 0 0 1117112832 2138628886 | ites |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1 2967684784 2138628886 969.01001 969.01001 1 1 0 0 1117112832 2138628886 969.01001 | 1 2967684784 2138628886 969.01001 ± 0.0009 969.01001 ± 0.0009 1 1 0 0 1117112832 2138628886 969.01001 ± 0.009 | |
| VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1 2967684784 2138628886 969.01001 969.01001 1 1 0 0 1117112832 2138628886 969.01001 | 1 2967684784 2138628886 969.01001 ± 0.0009 969.01001 ± 0.0009 1 1 0 0 1117112832 2138628886 969.01001 ± 0.009 969.01001 ± 0.009 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1 2967684784 2138628886 969.01001 969.01001 1 1 0 0 1117112832 2138628886 969.01001 969.01001 | 1 2967684784 2138628886 969.01001 ± 0.0009 969.01001 ± 0.0009 1 1 0 0 1117112832 2138628886 969.01001 ± 0.009 969.01001 ± 0.009 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFiit2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc | 1 2967684784 2138628886 969.01001 969.01001 1 1 0 0 1117112832 2138628886 969.01001 969.01001 0 | 1 2967684784 2138628886 969.01001 ± 0.0009 969.01001 ± 0.0009 1 1 0 0 1117112832 2138628886 969.01001 ± 0.009 969.01001 ± 0.009 0 0 | |
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| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_Initialize_Cnt_M_lgc VehDyn_LoSpdLearnt_Cnt_M_lgc | 1 2967684784 2138628886 969.01001 969.01001 1 1 0 0 1117112832 2138628886 969.01001 0 0 1 1117112832 213862886 969.01001 0 0 1 1 1117112832 13862886 969.01001 0 0 1 1 1 1 0 0 1 1 1 0 0 1 | 1 2967684784 2138628886 969.01001 ± 0.0009 969.01001 ± 0.0009 1 1 0 0 1117112832 2138628886 969.01001 ± 0.009 0 0 1 1 117112832 2138628886 969.01001 ± 0.009 0 0 1 1 117112832 213862886 969.01001 ± 0.0009 0 1 1 1 1 0 0 1 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_MaxOffset_HwDeg_M_f32 | 1 2967684784 2138628886 969.01001 969.01001 1 1 0 0 1117112832 2138628886 969.01001 969.01001 0 0 1 1117112832 2138628886 969.01001 0 0 1 1 1117112832 2138628886 969.01001 0 0 1 1 1 1 0 0 323.98999 | 1 2967684784 2138628886 969.01001 ± 0.0009 969.01001 ± 0.0009 1 1 0 0 1117112832 2138628886 969.01001 ± 0.009 0 0 1 1117112832 2138628886 969.01001 ± 0.009 0 0 1 1 1117112832 2138628886 969.01001 ± 0.0009 0 0 1 1 1100 0 1 0 323.98999 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32 | 1 2967684784 2138628886 969.01001 969.01001 1 1 0 0 11177112832 2138628886 969.01001 969.01001 0 0 1 11177112832 2138628886 969.01001 0 0 1 1 1117112832 138628886 969.01001 0 0 1 1 1117112832 138628886 969.01001 0 0 1 1 1 0 0 323.98999 -623 | 1 2967684784 2138628886 969.01001 ± 0.0009 969.01001 ± 0.0009 1 1 0 0 1117112832 2138628886 969.01001 ± 0.009 0 0 1 1117112832 2138628886 969.01001 ± 0.009 0 0 1 1 1117112832 2138628886 969.01001 ± 0.0009 0 0 1 1 110 0 0 1 0 0 1 0 323.98999 -623 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Spd_M_str.Filter1Spd_M_str.Filter1Spd_M_str.Filter1Spd_M_str.Filter1Spd_M_str.Filter1Spd_Gn_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32 VehDyn_PinTrqSV_M_str.SV_Uls_f32 | 1 2967684784 2138628886 969.01001 969.01001 1 1 0 0 1117112832 2138628886 969.01001 969.01001 0 0 1 1117112832 2138628886 969.01001 0 0 1 1 1117112832 138628886 969.01001 0 0 1 1 1117112832 7138628886 969.01001 0 1 1 0 323.98999 -623 7.79582453 | 1 2967684784 2138628886 969.01001 ± 0.0009 969.01001 ± 0.0009 1 1 0 0 1117112832 2138628886 969.01001 ± 0.009 0 0 1 1117112832 2138628886 969.01001 ± 0.009 0 1 1 1117112832 2138628886 969.01001 ± 0.0009 0 0 1 1 117112832 2138628886 969.01001 ± 0.0009 0 323.98999 623 7.79582405 ± 0.000009 | |
| VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrHoSpd_M_str.Filter2Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc VehDyn_MaxOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32 VehDyn_MinOffset_HwDeg_M_f32 | 1 2967684784 2138628886 969.01001 969.01001 1 1 0 0 11177112832 2138628886 969.01001 969.01001 0 0 1 11177112832 2138628886 969.01001 0 0 1 1 1117112832 138628886 969.01001 0 0 1 1 1117112832 138628886 969.01001 0 0 1 1 1 0 0 323.98999 -623 | 1 2967684784 2138628886 969.01001 ± 0.0009 969.01001 ± 0.0009 1 1 0 0 1117112832 2138628886 969.01001 ± 0.009 0 0 1 1117112832 2138628886 969.01001 ± 0.009 0 0 1 1 1117112832 2138628886 969.01001 ± 0.0009 0 0 1 1 110 0 0 1 0 0 1 0 323.98999 -623 | |



| Τ | | | | |
|-------------------------------------------------------|-------|-------------------------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP0_CheckpointReached | 1 | ~ |
| Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32 | 1 | Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32 | 1 | ~ |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | • |
| Autocenter_f32 | 1 | Autocenter_f32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | - |
| Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | Rte_Call_VehDyn_Per1_CP1_CheckpointReached | 1 | ~ |

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VehDyn_SCom_ForceCenter

 Project
 VehDyn

 Module
 VehDyn

Test Object VehDyn_SCom_ForceCenter

Instrumentation: Test Object Only

| Statement (C0) Coverage | 100 % |
|-------------------------|-------|
| Branch (C1) Coverage | 100 % |

Statistics

| Total Testcases | 1 | |
|-----------------|---|---|
| Successful | 1 | ✓ |
| Failed | 0 | |
| Not Executed | 0 | |

Module Properties

| Project Root Directory | D:\Synergy_Work_Area\VehDyn |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| Configuration File | D:\Synergy_Work_Area\VehDyn\UnitTestEnv\config\TMS570_GCC_UDE_CCS4_Config.xml |
| Target Environment | TI TMS 570 PLS UDE (Default) |
| Kind of Test | Unit Test |
| Linker Options | |
| Source File(s) | |
| File | \$(PROJECTROOT)\src\Ap_VehDyn.c |
| Compiler Options | -D_DATA_ACCESS= -Dconst= -Dstatic= -I\$(PROJECTROOT)\StdDef\u00e1\(\text{include} -I\text{s(PROJECTROOT)}\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\ |

| Comments/Descrip | tion/Specification |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Name | Text |
| Name Module 'VehDyn' | Name of Tester:Spoorti Mali Code File(s) Under Test:Ap_VehDyn.c Code File(s) Version:3 Module Design Document:VehDyn_MDD.docx Module Design Document Version:9 Data Dictionary Version:10 Unit Test Plan Version:6 Optimization Level:Level 2 Compiler (CodeGen) Version:TMS470_4.9.5 Model Type:Excel Macro Model Version:Nexteer EPS Unit Test Tool 2.7d/EPS Library 1.32 Total FLASH Used (Bytes):2278 Total FASH Used (Bytes):2175 Special Test Requirements: Test Date:09-15-2015 Comments:"NOTE1: Inline function defined in ""GlobalMacro.h"" are not unit tested. NOTE2: "CBD Sandbox dbg.map" map file is embedded for reference." |
| | *************************************** |

Attributes

VehDyn_SCom_ForceCenter

2015-09-15, 13:02:01+0530



Workspace File

D:\Synergy_Work_Area\VehDyn\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP



Test Case 1: Boundary Test

Specification

Performance Metrics: (With "None" Instrumentation and "WithPS" Environment)

CPU Cycles: TS 1.1 589.00 Cycles TS 1.2 589.00 Cycles TS 1.3 589.00 Cycles TS 1.4 589.00 Cycles TS 1.5 589.00 Cycles

Vector Description: Description

TS 1.1RelHwPos_HwDeg_f32=Min TS 1.2RelHwPos_HwDeg_f32=Neg TS 1.3RelHwPos_HwDeg_f32=0 TS 1.4RelHwPos_HwDeg_f32=Pos TS 1.5RelHwPos_HwDeg_f32=Max

| Test Step 1.1 (Repeat Count = 1) | | | ✓ |
|---------------------------------------------------|---------------------------------------------------|----------------|----------|
| Name | Input Value | | |
| Rte_Read_Ap_VehDyn_RelHwPos_HwDeg_f32(data) | target_Rte_Read_Ap_VehDyn_RelHwPos_HwDeg_f32_data | | |
| target_Rte_Read_Ap_VehDyn_RelHwPos_HwDeg_f32_data | -1600 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | -1600 | -1600 ± 0.009 | ✓ |

| Τ | | | | V |
|---------------------------------------|-------|---------------------------------------|-------|--------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Read_Ap_VehDyn_RelHwPos_HwDeg_f32 | 1 | Rte_Read_Ap_VehDyn_RelHwPos_HwDeg_f32 | 1 | ~ |

| Test Step 1.2 (Repeat Count = 1) | | | ✓ |
|---------------------------------------------------|--------------------------|---------------------------|----------|
| Name | Input Value | | |
| Rte_Read_Ap_VehDyn_RelHwPos_HwDeg_f32(data) | target_Rte_Read_Ap_VehDy | n_RelHwPos_HwDeg_f32_data | |
| target_Rte_Read_Ap_VehDyn_RelHwPos_HwDeg_f32_data | -1200.56006 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | -1200.56006 | -1200.56006 ± 0.009 | ✓ |

| T | | | | ✓ |
|---------------------------------------|-------|---------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte Read Ap VehDyn RelHwPos HwDeg f32 | 1 | Rte Read Ap VehDyn RelHwPos HwDeg f32 | 1 | ~ |

| Test Step 1.3 (Repeat Count = 1) | | | ✓ |
|---------------------------------------------------|-------------------------|----------------------------|----------|
| Name | Input Value | | |
| Rte_Read_Ap_VehDyn_RelHwPos_HwDeg_f32(data) | target_Rte_Read_Ap_VehD | yn_RelHwPos_HwDeg_f32_data | |
| target_Rte_Read_Ap_VehDyn_RelHwPos_HwDeg_f32_data | 0 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | 0 | 0 ± 0.000009 | ✓ |

| T | | | | V |
|---------------------------------------|-------|---------------------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte Read Ap VehDyn RelHwPos HwDeg f32 | 1 | Rte Read Ap VehDyn RelHwPos HwDeg f32 | 1 | ✓ |

| Test Step 1.4 (Repeat Count = 1) | | | ✓ |
|---------------------------------------------------|--------------------------|---------------------------|----------|
| Name | Input Value | | |
| Rte_Read_Ap_VehDyn_RelHwPos_HwDeg_f32(data) | target_Rte_Read_Ap_VehDy | n_RelHwPos_HwDeg_f32_data | |
| target_Rte_Read_Ap_VehDyn_RelHwPos_HwDeg_f32_data | 1300.25 | | |
| Name | Actual Value | Expected Value | Result |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn_ForceCenterOffset_HwDeg_M_f32 | 1300.25 | 1300.25 ± 0.009 | ✓ |

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VehDyn_SCom_ForceCenter

| Τ | | | ✓ | |
|---------------------------------------|-------|---------------------------------------|----------|--------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Read_Ap_VehDyn_RelHwPos_HwDeg_f32 | 1 | Rte_Read_Ap_VehDyn_RelHwPos_HwDeg_f32 | 1 | ~ |

| Test Step 1.5 (Repeat Count = 1) | | | |
|---------------------------------------------------|----------------------------|---------------------------------------------------|----------|
| Name | Input Value | | |
| Rte_Read_Ap_VehDyn_RelHwPos_HwDeg_f32(data) | target_Rte_Read_Ap_VehDyn_ | target_Rte_Read_Ap_VehDyn_RelHwPos_HwDeg_f32_data | |
| target_Rte_Read_Ap_VehDyn_RelHwPos_HwDeg_f32_data | 1600 | 1600 | |
| Name | Actual Value | Expected Value | Result |
| VehDyn_ForceCenterEnabled_Cnt_M_lgc | 1 | 1 | ~ |
| VehDyn ForceCenterOffset HwDeg M f32 | 1600 | 1600 ± 0.009 | ✓ |

| T | | | ✓ | |
|---------------------------------------|-------|---------------------------------------|-------|--------|
| Actual Function | Count | Expected Function | Count | Result |
| Rte_Read_Ap_VehDyn_RelHwPos_HwDeg_f32 | 1 | Rte_Read_Ap_VehDyn_RelHwPos_HwDeg_f32 | 1 | ~ |

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Autocenter_f32



| Project | VehDyn |
|-------------|----------------|
| Module | VehDyn |
| Test Object | Autocenter_f32 |

Instrumentation: Test Object Only

| Statement (C0) Coverage | 100 % |
|-------------------------|-------|
| Decision Coverage | 100 % |
| Branch (C1) Coverage | 100 % |
| MCC Coverage | 100 % |
| MC/DC Coverage | 100 % |

Statistics

| Total Testcases | 3 | |
|-----------------|---|---|
| Successful | 3 | ~ |
| Failed | 0 | |
| Not Executed | 0 | |

Module Properties

| Project Root Directory | D:\Synergy_Work_Area\VehDyn |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Configuration File | D:\Synergy_Work_Area\VehDyn\UnitTestEnv\config\TMS570_GCC_UDE_CCS4_Config.xml |
| Target Environment | TI TMS 570 PLS UDE (Default) |
| Kind of Test | Unit Test |
| Linker Options | |
| Source File(s) | |
| File | \$(PROJECTROOT)\src\Ap_VehDyn.c |
| Compiler Options | -D_DATA_ACCESS= -Dconst= -Dstatic= -I\$(PROJECTROOT)\StdDef\include -I\$(PROJECTROOT)\NxtrLib\include -I\$(PROJECTROOT)\\utp\contract -I\$(PROJECTROOT)\utp\contract\Ap_VehDyn -I\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5\include |

| ame | Text |
|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| odule 'VehDyn' | ************************************** |
| | Name of Tester:Spoorti Mali |
| | Code File(s) Under Test:Ap_VehDyn.c |
| | Code File(s) Version:8 |
| | Module Design Document:VehDyn_MDD.docx |
| | Module Design Document Version:9 |
| | Data Dictionary Version:10 Unit Test Plan Version:6 |
| | Optimization Level:Level 2 |
| | Compiler (CodeGen) Version:TMS470 4.9.5 |
| | Model Type:Excel Macro |
| | Model Version:Nexteer EPS Unit Test Tool 2.7d/EPS Library 1.32 |
| | Total FLASH Used (Bytes):2278 |
| | Total RAM Used (Bytes):201 |
| | Total CALS Used (Bytes):115 |
| | Special Test Requirements: |
| | Test Date:09-15-2015 Comments:"NOTE1: Inline function defined in ""GlobalMacro.h"" are not unit tested. |
| | Comments. NOTE 1. Infine function destined in Globol Macron. Tale not unit tested. NOTE2: ""CBD Sandbox dbq.map" map file is embedded for reference." |

| Attributes | | |
|-----------------------|------------------------------------------------------------------------------------|--|
| Name | Value | |
| Compiler Install Path | \$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5 | |
| Float Precision | 9 | |
| InitObjDir | \$(PROJECTROOT)\UnitTestEnv\static_build_files | |
| InitSrcDir | \$(PROJECTROOT)\UnitTestEnv\static_build_files\src | |
| Linker File | \$(InitObjDir)\sys_link.cmd | |
| Makefile Template | <pre>\$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570_ps.tpl</pre> | |
| Target Install Path | \$(ProgramFiles)\pls | |
| Time Unit | Cycles | |
| Timer Enabled | false | |

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Autocenter_f32



| Attributes | | |
|------------------|---------------------------------------------------------------------|--|
| Name | Value | |
| Timer Prescale | 0 | |
| Timer Resolution | | |
| UDE Config File | \$(PROJECTROOT)\UnitTestEnv\config\TMS570_UDE_12PIN_JTAG.cfg | |
| Workspace File | D:\Synergy_Work_Area\VehDyn\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP | |



Test Case 1: Metrics Test

Specification

Performance Metrics: (With "None" Instrumentation and "WithPS" Environment)

TS1.1 680.00 Cycles Shortest Execution Pat TS1.2 1810.00 Cycles Longest Execution Path Shortest Execution Path

Description

Vector Description:

TS1.1"Shortest Execution Path=> if((Abs_f32_m(MotorVelCRF_MtrRadpS_T_f32) <= AutoCntr_Cnt_T_str->MtrVel_MtrRadpS_f32) && (VehicleSpeed_Kph_T_f32 >= AutoCntr_Cnt_T_str->VehSpd_kph_f32) && (VehSpdValid_Cnt_T_igc == D_TRUE_CNT_LGC) && (AbsFiltPinTrq_HwNm_T_f32 <= (AutoCntr_Cnt_T_str->FiltPinTrq_HwNm_f32)))=>False if(AutoCntr_Cnt_T_str->Filter1Enable_Cnt_Igc == D_TRUE_CNT_LGC)=>False"

TS1.2"Longest Execution Path=>

if (AutoCntr_Cnt_T_str->Filter2Initialized_Cnt_Igc == D_FALSE_CNT_LGC) &&

(Timer2Elapsed_mS_T_u32 >= AutoCntr_Cnt_T_str->Timer2Thresh_mS_u16))=>True

if (AutoCntr_Cnt_T_str->Filter2Initialized_Cnt_Igc == D_FALSE_CNT_LGC) >=>True if(AutoCntr_Cnt_T_str->Filter2Enable_Cnt_lgc == D_TRUE_CNT_LGC)=>True"

| Test Step 1.1 (Repeat Count = 1) | | | ✓ |
|-------------------------------------------------------------|--------------------------------------|----------------|----------|
| Name | Input Value | | |
| AutoCntr_Cnt_T_str | tgt_AutoCntr_Cnt_T_str | | |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | tgt_DtrmnElapsedTime_mS_u32_ElapsedT | îme | |
| FiltPinTrq_HwNm_T_f32 | 0 | | |
| GetSystemTime_mS_u32(CurrentTime) | tgt_GetSystemTime_mS_u32_CurrentTime | | |
| MotorVelCRF_MtrRadpS_T_f32 | -1350 | | |
| RelHwPos_HwDeg_T_f32 | -1600 | | |
| VehSpdValid_Cnt_T_lgc | 0 | | |
| VehicleSpeed_Kph_T_f32 | 0 | | |
| tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32 | 0 | | |
| tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32 | 0 | | |
| tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32 | 0 | | |
| tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32 | 0 | | |
| tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16 | 0 | | |
| tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16 | 0 | | |
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 4243378688 | | |
| tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 | 2269150976 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1600 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000501999981 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1600 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000501999981 | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc | 0 | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 0 | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc | 0 | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc | 0 | | |
| tgt_DtrmnElapsedTime_mS_u32_ElapsedTime | 0 | | |
| tgt_GetSystemTime_mS_u32_CurrentTime | 0 | | |
| Name | Actual Value | Expected Value | Result |
| Autocenter_f32() | 0 | 0 ± 0.1 | ~ |
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 0 | 0 | ~ |
| tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 | 2269150976 | 2269150976 | ~ |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1600 | -1600 | ~ |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1600 | -1600 | ~ |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc | 0 | 0 | ~ |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 0 | 0 | ~ |
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ~ |
| tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ~ |

| T | | | | |
|----------------------|-------|----------------------|-------|--------|
| Actual Function | Count | Expected Function | Count | Result |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |





| Name | Input Value | | | |
|-------------------------------------------------------------|----------------------------|-----------------------------------------|-------|--|
| AutoCntr_Cnt_T_str | tgt AutoCntr Cnt T str | | | |
| DtrmnElapsedTime mS u32(ElapsedTime) | | tgt DtrmnElapsedTime mS u32 ElapsedTime | | |
| FiltPinTrq HwNm T f32 | 5 | | | |
| GetSystemTime_mS_u32(CurrentTime) | tgt GetSystemTime mS u32 C | CurrentTime | | |
| MotorVelCRF MtrRadpS T f32 | 0 | | | |
| RelHwPos HwDeg T f32 | -888 | | | |
| VehSpdValid Cnt T Igc | 1 | | | |
| VehicleSpeed_Kph_T_f32 | 216 | | | |
| tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32 | 120 | | | |
| tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32 | 34 | | | |
| tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32 | 5 | | | |
| tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32 | 85 | | | |
| tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16 | 53759 | | | |
| tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16 | 32821 | | | |
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 1316564736 | | | |
| tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 | 3345084416 | | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -888 | | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000508000026 | | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 425 | | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000508000026 | | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc | 0 | | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 0 | | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc | 0 | | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc | 0 | | | |
| tgt_DtrmnElapsedTime_mS_u32_ElapsedTime | 3437401088 | | | |
| tgt_GetSystemTime_mS_u32_CurrentTime | 954802432 | | | |
| Name | Actual Value | Expected Value | Resul | |
| Autocenter_f32() | 0 | 0 ± 0.1 | • | |
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 1316564736 | 1316564736 | • | |
| tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 | 954802432 | 954802432 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -888 | -888 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -888 | -888 | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc | 1 | 1 | • | |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 1 | 1 | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc | 1 | 1 | • | |
| tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc | 1 | 1 | • | |

| Τ | | | | V |
|-------------------------|-------|-------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| DtrmnElapsedTime_mS_u32 | 1 | DtrmnElapsedTime_mS_u32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| DtrmnElapsedTime_mS_u32 | 1 | DtrmnElapsedTime_mS_u32 | 1 | ~ |

Autocenter_f32

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Test Case 2: Boundary Test

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Autocenter_f32



Specification

Performance Metrics: (With "None" Instrumentation and "WithPS" Environment)

CPU Cycles:

TS2.1 676.00 Cycles TS2.2 676.00 Cycles TS2.3 659.00 Cycles TS2.4 659.00 Cycles
TS2.5 730.00 Cycles
TS2.5 730.00 Cycles
TS2.6 659.00 Cycles
TS2.7 659.00 Cycles
TS2.7 659.00 Cycles
TS2.8 659.00 Cycles
TS2.9 659.00 Cycles
TS2.10 705.00 Cycles
TS2.10 705.00 Cycles
TS2.11 659.00 Cycles
TS2.12 659.00 Cycles
TS2.13 659.00 Cycles
TS2.13 659.00 Cycles
TS2.15 663.00 Cycles
TS2.15 663.00 Cycles
TS2.16 683.00 Cycles
TS2.17 659.00 Cycles
TS2.18 728.00 Cycles
TS2.18 728.00 Cycles
TS2.19 654.00 Cycles
TS2.20 701.00 Cycles
TS2.21 654.00 Cycles
TS2.22 654.00 Cycles
TS2.23 654.00 Cycles
TS2.23 654.00 Cycles
TS2.24 654.00 Cycles
TS2.25 654.00 Cycles
TS2.26 654.00 Cycles
TS2.27 654.00 Cycles
TS2.28 654.00 Cycles
TS2.29 654.00 Cycles
TS2.29 654.00 Cycles
TS2.21 654.00 Cycles
TS2.23 654.00 Cycles
TS2.23 654.00 Cycles
TS2.24 654.00 Cycles
TS2.25 654.00 Cycles
TS2.26 654.00 Cycles
TS2.27 654.00 Cycles
TS2.28 654.00 Cycles
TS2.29 654.00 Cycles
TS2.29 654.00 Cycles
TS2.21 654.00 Cycles
TS2.23 654.00 Cycles
TS2.23 654.00 Cycles
TS2.24 654.00 Cycles
TS2.25 654.00 Cycles
TS2.26 654.00 Cycles
TS2.27 654.00 Cycles
TS2.28 654.00 Cycles
TS2.29 654.00 Cycles
TS2.37 654.00 Cycles
TS2.38 654.00 Cycles
TS2.39 654.00 Cycles
TS2.41 654.00 Cycles
TS2.47 659.00 Cycles
TS2.48 703.00 Cycles
TS2.48 703.00 Cycles
TS2.51 693.00 Cycles
TS2.52 654.00 Cycles
TS2.53 703.00 Cycles
TS2.54 654.00 Cycles
TS2.55 654.00 Cycles
TS2.56 654.00 Cycles
TS2.57 664.00 Cycles
TS2.58 693.00 Cycles
TS2.59 654.00 Cycles
TS2.59 654.00 Cycles
TS2.56 654.00 Cycles
TS2.57 664.00 Cycles
TS2.58 693.00 Cycles
TS2.59 654.00 Cycles
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TS2.57 664.00 Cycles
TS2.58 693.00 Cycles
TS2.59 654.00 Cycles
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TS2.56 654.00 Cycles
TS2.57 664.00 Cycles
TS2.58 693.00 Cycles
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Autocenter_f32

Description

Vector Description:

TS 2.1All Min
TS 2.2All Max
TS 2.3FiltPinTrq_HwNm_T_f32 = Min
TS 2.4FiltPinTrq_HwNm_T_f32 = Max
TS 2.5FiltPinTrq_HwNm_T_f32 = Zero
TS 2.5FiltPinTrq_HwNm_T_f32 = Pos
TS 2.7FiltPinTrq_HwNm_T_f32 = Neg
TS 2.7FiltPinTrq_HwNm_T_f32 = Neg
TS 2.8MotorVelCRF_MtrRadpS_T_f32 = Min
TS 2.9MotorVelCRF_MtrRadpS_T_f32 = Max
TS 2.10MotorVelCRF_MtrRadpS_T_f32 = Zero
TS 2.11MotorVelCRF_MtrRadpS_T_f32 = Pos

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| Name | Input Value | | |
|-------------------------------------------------------------|-----------------|----------------|----------|
| tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32 | 0 | | |
| tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32 | 0 | | |
| tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16 | 0 | | |
| tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16 | 0 | | |
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 0 | | |
| tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 | 0 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -3200 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 2.51327106e-006 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -3200 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 2.51327106e-006 | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc | 0 | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 0 | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc | 0 | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc | 0 | | |
| tgt_DtrmnElapsedTime_mS_u32_ElapsedTime | 0 | | |
| tgt_GetSystemTime_mS_u32_CurrentTime | 0 | | |
| Name | Actual Value | Expected Value | Result |
| Autocenter_f32() | 0 | 0 ± 0.1 | ~ |
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 0 | 0 | ✓ |
| tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 | 0 | 0 | ✓ |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -3200 | -3200 | ✓ |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -3200 | -3200 | ~ |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc | 0 | 0 | ✓ |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 0 | 0 | ✓ |
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ~ |
| tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ✓ |

| T | | | | |
|----------------------|-------|----------------------|-------|--------|
| Actual Function | Count | Expected Function | Count | Result |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |

| Name | Input Value | | | |
|-------------------------------------------------------------|----------------------------|-----------------------------------------|------|--|
| AutoCntr_Cnt_T_str | tgt AutoCntr Cnt T str | | | |
| DtrmnElapsedTime mS u32(ElapsedTime) | | tgt DtrmnElapsedTime mS u32 ElapsedTime | | |
| FiltPinTrq HwNm T f32 | 18.7999992 | , | | |
| GetSystemTime mS u32(CurrentTime) | tgt GetSystemTime mS u32 C | CurrentTime | | |
| MotorVelCRF MtrRadpS T f32 | 1350 | | | |
| RelHwPos HwDeg T f32 | 3200 | | | |
| VehSpdValid Cnt T Igc | 1 | | | |
| VehicleSpeed Kph T f32 | 512 | | | |
| tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32 | 700 | | | |
| tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32 | 255 | | | |
| tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32 | 20 | | | |
| tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32 | 100 | | | |
| tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16 | 60000 | | | |
| tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16 | 60000 | | | |
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 4294967295 | | | |
| tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 | 4294967295 | | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 3200 | | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.00125584786 | | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 3200 | | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.00125584786 | | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc | 1 | | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 1 | | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc | 1 | | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc | 1 | | | |
| tgt_DtrmnElapsedTime_mS_u32_ElapsedTime | 4294967295 | | | |
| tgt_GetSystemTime_mS_u32_CurrentTime | 4294967295 | | | |
| Name | Actual Value | Expected Value | Resu | |
| Autocenter_f32() | 0 | 0 ± 0.1 | | |
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 4294967295 | 4294967295 | | |
| tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 | 4294967295 | 4294967295 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 3200 | 3200 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 3200 | 3200 | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc | 0 | 0 | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 1 | 1 | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc | 1 | 1 | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc | 1 | 1 | | |



| T | | | | V |
|----------------------|-------|----------------------|-------|--------|
| Actual Function | Count | Expected Function | Count | Result |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |

| Test Step 2.3 (Repeat Count = 1) Name | Input Value | | |
|-------------------------------------------------------------|----------------------------|----------------|-------|
| | · · | | |
| AutoCntr_Cnt_T_str | tgt_AutoCntr_Cnt_T_str | 0 FlancedTime | |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | tgt_DtrmnElapsedTime_mS_u3 | 2_Elapsed lime | |
| FiltPinTrq_HwNm_T_f32 | -18.7999992 | | |
| GetSystemTime_mS_u32(CurrentTime) | tgt_GetSystemTime_mS_u32_0 | Surrent I ime | |
| MotorVelCRF_MtrRadpS_T_f32 | -123 | | |
| RelHwPos_HwDeg_T_f32 | -172.389999 | | |
| VehSpdValid_Cnt_T_lgc | 0 | | |
| VehicleSpeed_Kph_T_f32 | 166 | | |
| tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32 | 75 | | |
| tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32 | 156 | | |
| tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32 | 4 | | |
| tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32 | 10 | | |
| tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16 | 12258 | | |
| tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16 | 33198 | | |
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 10000 | | |
| tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 | 2269150976 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -172.389999 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000780000002 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -172.389999 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000449999992 | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc | 1 | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 1 | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc | 0 | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc | 0 | | |
| tgt_DtrmnElapsedTime_mS_u32_ElapsedTime | 1720406272 | | |
| tgt_GetSystemTime_mS_u32_CurrentTime | 4243378688 | | |
| Name | Actual Value | Expected Value | Resul |
| Autocenter_f32() | 0 | 0 ± 0.1 | • |
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 4243378688 | 4243378688 | • |
| tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 | 2269150976 | 2269150976 | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -172.389999 | -172.389999 | • |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -172.389999 | -172.389999 | • |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc | 0 | 0 | |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 1 | 1 | • |
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc | 0 | 0 | • |
| tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc | 0 | 0 | |

| Т | | | | |
|----------------------|-------|----------------------|-------|--------|
| Actual Function | Count | Expected Function | Count | Result |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |

| Test Step 2.4 (Repeat Count = 1) | ✓ |
|-------------------------------------------------------------|-----------------------------------------|
| Name | Input Value |
| AutoCntr_Cnt_T_str | tgt_AutoCntr_Cnt_T_str |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | tgt_DtrmnElapsedTime_mS_u32_ElapsedTime |
| FiltPinTrq_HwNm_T_f32 | 18.7999992 |
| GetSystemTime_mS_u32(CurrentTime) | tgt_GetSystemTime_mS_u32_CurrentTime |
| MotorVelCRF_MtrRadpS_T_f32 | 189 |
| RelHwPos_HwDeg_T_f32 | -599.400024 |
| VehSpdValid_Cnt_T_lgc | 1 |
| VehicleSpeed_Kph_T_f32 | 176 |
| tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32 | 98.0199966 |
| tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32 | 166.009995 |
| tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32 | 16 |
| tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32 | 25 |
| tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16 | 26195 |
| tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16 | 21335 |
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 20000 |
| tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 | 3533260288 |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -599.400024 |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000782000017 |

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| Name | Input Value | | |
|-------------------------------------------------------------|----------------|----------------|--------|
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -599.400024 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000452000007 | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc | 0 | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 0 | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc | 1 | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc | 1 | | |
| tgt_DtrmnElapsedTime_mS_u32_ElapsedTime | 2659241984 | | |
| tgt_GetSystemTime_mS_u32_CurrentTime | 1050692864 | | |
| Name | Actual Value | Expected Value | Result |
| Autocenter_f32() | 0 | 0 ± 0.1 | ~ |
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 1050692864 | 1050692864 | ~ |
| tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 | 3533260288 | 3533260288 | ~ |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -599.400024 | -599.400024 | ~ |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -599.400024 | -599.400024 | ~ |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc | 0 | 0 | • |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 0 | 0 | ~ |
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ~ |
| tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ~ |

| T | | | | | V |
|----------------------|-------|----------------------|-------|------|-----|
| Actual Function | Count | Expected Function | Count | Resu | ılt |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | | • |

| Name | Input Value | | | |
|-------------------------------------------------------------|-----------------------------|-----------------------------------------|-------|--|
| AutoCntr_Cnt_T_str | tgt_AutoCntr_Cnt_T_str | | | |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | tgt_DtrmnElapsedTime_mS_u32 | tgt DtrmnElapsedTime mS u32 ElapsedTime | | |
| FiltPinTrq_HwNm_T_f32 | 0 | | | |
| GetSystemTime_mS_u32(CurrentTime) | tgt_GetSystemTime_mS_u32_C | CurrentTime | | |
| MotorVelCRF_MtrRadpS_T_f32 | 63.0200005 | | | |
| RelHwPos_HwDeg_T_f32 | 770.52002 | | | |
| VehSpdValid_Cnt_T_lgc | 0 | | | |
| VehicleSpeed_Kph_T_f32 | 186 | | | |
| tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32 | 66 | | | |
| tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32 | 84 | | | |
| tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32 | 5.19999981 | | | |
| tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32 | 86.2099991 | | | |
| tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16 | 43128 | | | |
| tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16 | 53970 | | | |
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 437658624 | | | |
| tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 | 812314880 | | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 770.52002 | | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000783999974 | | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 770.52002 | | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000859000022 | | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc | 1 | | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 1 | | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc | 0 | | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc | 0 | | | |
| tgt_DtrmnElapsedTime_mS_u32_ElapsedTime | 2942063360 | | | |
| tgt_GetSystemTime_mS_u32_CurrentTime | 3039943680 | | | |
| Name | Actual Value | Expected Value | Resul | |
| Autocenter_f32() | 0 | 0 ± 0.1 | • | |
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 3039943680 | 3039943680 | | |
| tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 | 812314880 | 812314880 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 770.52002 | 770.52002 | • | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 770.52002 | 770.52002 | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc | 0 | 0 | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 1 | 1 | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc | 0 | 0 | | |
| tgt AutoCntr Cnt T str.Filter2Initialized Cnt Igc | 0 | 0 | | |

| T | | | | V |
|----------------------|-------|----------------------|-------|--------|
| Actual Function | Count | Expected Function | Count | Result |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |



| Test Step 2.6 (Repeat Count = 1) | | | ✓ | | |
|-------------------------------------------------------------|-----------------------------------------|----------------|----------|--|--|
| Name | Input Value | | | | |
| AutoCntr_Cnt_T_str | tgt_AutoCntr_Cnt_T_str | | | | |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | tgt_DtrmnElapsedTime_mS_u32_ElapsedTime | | | | |
| FiltPinTrq_HwNm_T_f32 | 12.3299999 | | | | |
| GetSystemTime_mS_u32(CurrentTime) | tgt_GetSystemTime_mS_u32_CurrentTime | | | | |
| MotorVelCRF_MtrRadpS_T_f32 | -900 | | | | |
| RelHwPos_HwDeg_T_f32 | 995.5 | | | | |
| VehSpdValid_Cnt_T_lgc | 0 | | | | |
| VehicleSpeed_Kph_T_f32 | 196 | | | | |
| tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32 | 600.109985 | | | | |
| tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32 | 76 | | | | |
| tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32 | 2 | | | | |
| tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32 | 52 | | | | |
| tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16 | 33198 | | | | |
| tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16 | 38868 | | | | |
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 71426560 | | | | |
| tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 | 4129141760 | | | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 995.5 | | | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.00078599999 | | | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 995.5 | | | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000126600004 | | | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc | 1 | | | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 1 | | | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc | 0 | | | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc | 0 | | | | |
| tgt_DtrmnElapsedTime_mS_u32_ElapsedTime | 1759885568 | | | | |
| tgt_GetSystemTime_mS_u32_CurrentTime | 309385728 | | | | |
| Name | Actual Value | Expected Value | Result | | |
| Autocenter_f32() | 0 | 0 ± 0.1 | ~ | | |
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 309385728 | 309385728 | ✓ | | |
| tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 | 4129141760 | 4129141760 | ~ | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 995.5 | 995.5 | ✓ | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 995.5 | 995.5 | • | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc | 0 | 0 | • | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 1 | 1 | ~ | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ✓ | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ~ | | |

| T | | | | ✓ |
|----------------------|-------|----------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |

| N. | |
|-------------------------------------------------------------|-----------------------------------------|
| Name | Input Value |
| AutoCntr_Cnt_T_str | tgt_AutoCntr_Cnt_T_str |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | tgt_DtrmnElapsedTime_mS_u32_ElapsedTime |
| FiltPinTrq_HwNm_T_f32 | -12.4499998 |
| GetSystemTime_mS_u32(CurrentTime) | tgt_GetSystemTime_mS_u32_CurrentTime |
| MotorVelCRF_MtrRadpS_T_f32 | 800 |
| RelHwPos_HwDeg_T_f32 | -880.02002 |
| VehSpdValid_Cnt_T_lgc | 1 |
| VehicleSpeed_Kph_T_f32 | 206 |
| tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32 | 200 |
| tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32 | 86.0299988 |
| tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32 | 4.30000019 |
| tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32 | 41 |
| tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16 | 21335 |
| tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16 | 53970 |
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 2430672128 |
| tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 | 2836768512 |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -880.02002 |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000788000005 |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -880.02002 |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000167299993 |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc | 0 |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 0 |
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc | 1 |
| tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc | 1 |
| tgt_DtrmnElapsedTime_mS_u32_ElapsedTime | 1662097408 |

 $tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc$

Autocenter_f32



| Name | Input Value | | |
|-------------------------------------------------------------|--------------|----------------|--------|
| tgt_GetSystemTime_mS_u32_CurrentTime | 4164171008 | | |
| Name | Actual Value | Expected Value | Result |
| Autocenter_f32() | 0 | 0 ± 0.1 | ~ |
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 4164171008 | 4164171008 | • |
| tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 | 2836768512 | 2836768512 | • |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -880.02002 | -880.02002 | ~ |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -880.02002 | -880.02002 | - |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc | 0 | 0 | ~ |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 0 | 0 | • |
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ~ |

| T | | | | V |
|----------------------|-------|----------------------|-------|--------|
| Actual Function | Count | Expected Function | Count | Result |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |

| Name | Input Value | | | |
|-------------------------------------------------------------|-----------------------------|-----------------------------------------|-------|--|
| AutoCntr_Cnt_T_str | tgt_AutoCntr_Cnt_T_str | | | |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | tgt DtrmnElapsedTime mS u32 | tqt DtrmnElapsedTime mS u32 ElapsedTime | | |
| FiltPinTrq HwNm T f32 | 4.23000002 | | | |
| GetSystemTime_mS_u32(CurrentTime) | tgt_GetSystemTime_mS_u32_Cu | rrentTime | | |
| MotorVelCRF_MtrRadpS_T_f32 | -1350 | | | |
| RelHwPos_HwDeg_T_f32 | -1454.77002 | | | |
| VehSpdValid_Cnt_T_lgc | 1 | | | |
| VehicleSpeed_Kph_T_f32 | 196 | | | |
| tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32 | 34.2099991 | | | |
| tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32 | 64 | | | |
| tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32 | 9 | | | |
| tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32 | 56 | | | |
| tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16 | 49475 | | | |
| tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16 | 12258 | | | |
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 3941357312 | | | |
| tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 | 3345084416 | | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1454.77002 | | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.00079000002 | | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1454.77002 | | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000207999998 | | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc | 0 | | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 0 | | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc | 1 | | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc | 1 | | | |
| tgt_DtrmnElapsedTime_mS_u32_ElapsedTime | 1117112832 | | | |
| tgt_GetSystemTime_mS_u32_CurrentTime | 1316564736 | | | |
| Name | Actual Value | Expected Value | Resul | |
| Autocenter_f32() | 0 | 0 ± 0.1 | • | |
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 1316564736 | 1316564736 | | |
| tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 | 3345084416 | 3345084416 | • | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1454.77002 | -1454.77002 | • | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1454.77002 | -1454.77002 | • | |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc | 0 | 0 | • | |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 0 | 0 | • | |
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc | 1 | 1 | , | |
| tgt AutoCntr Cnt T str.Filter2Initialized Cnt Igc | 1 | 1 | | |

| T | | | | V |
|----------------------|-------|----------------------|-------|--------|
| Actual Function | Count | Expected Function | Count | Result |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |

| Test Step 2.9 (Repeat Count = 1) | ✓ |
|--------------------------------------|-----------------------------------------|
| Name | Input Value |
| AutoCntr_Cnt_T_str | tgt_AutoCntr_Cnt_T_str |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | tgt_DtrmnElapsedTime_mS_u32_ElapsedTime |
| FiltPinTrq_HwNm_T_f32 | 16.5499992 |
| GetSystemTime_mS_u32(CurrentTime) | tgt_GetSystemTime_mS_u32_CurrentTime |
| MotorVelCRF_MtrRadpS_T_f32 | 1350 |

tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc

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| Autocenter_f32 | 0-09-10, 12.49.40+0330 | | Razoncat |
|-------------------------------------------------------------|------------------------|----------------|----------|
| Name | Input Value | | |
| RelHwPos_HwDeg_T_f32 | 267.709991 | | |
| VehSpdValid_Cnt_T_lgc | 0 | | |
| VehicleSpeed_Kph_T_f32 | 206.240005 | | |
| tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32 | 2 | | |
| tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32 | 52.2099991 | | |
| tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32 | 7 | | |
| tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32 | 54.2299995 | | |
| tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16 | 43128 | | |
| tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16 | 29076 | | |
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 3304439296 | | |
| tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 | 2704864000 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 267.709991 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000791999977 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 267.709991 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000248700002 | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc | 1 | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 1 | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc | 0 | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc | 0 | | |
| tgt_DtrmnElapsedTime_mS_u32_ElapsedTime | 1736795392 | | |
| tgt_GetSystemTime_mS_u32_CurrentTime | 2075080192 | | |
| Name | Actual Value | Expected Value | Result |
| Autocenter_f32() | 0 | 0 ± 0.1 | ✓ |
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 2075080192 | 2075080192 | ✓ |
| tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 | 2704864000 | 2704864000 | ✓ |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 267.709991 | 267.709991 | ✓ |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 267.709991 | 267.709991 | ✓ |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc | 0 | 0 | ✓ |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 1 | 1 | ~ |
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ✓ |
| | | | |

| T | | | | ✓ |
|----------------------|-------|----------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |

0

0

| Test Step 2.10 (Repeat Count = 1) | | | ✓ | |
|-------------------------------------------------------------|--------------------------------|------------------------|----------|--|
| Name | Input Value | | | |
| AutoCntr_Cnt_T_str | tgt_AutoCntr_Cnt_T_str | tgt_AutoCntr_Cnt_T_str | | |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | tgt_DtrmnElapsedTime_mS_u32_El | apsedTime | | |
| FiltPinTrq_HwNm_T_f32 | 5.86999989 | | | |
| GetSystemTime_mS_u32(CurrentTime) | tgt_GetSystemTime_mS_u32_Curre | entTime | | |
| MotorVelCRF_MtrRadpS_T_f32 | 0 | | | |
| RelHwPos_HwDeg_T_f32 | -293.049988 | | | |
| VehSpdValid_Cnt_T_lgc | 1 | | | |
| VehicleSpeed_Kph_T_f32 | 216 | | | |
| tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32 | 120 | | | |
| tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32 | 34 | | | |
| tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32 | 5.0999999 | | | |
| tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32 | 85 | | | |
| tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16 | 53759 | | | |
| tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16 | 32821 | | | |
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 2167769344 | | | |
| tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 | 4129141760 | | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -293.049988 | | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000793999992 | | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -293.049988 | | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000289399992 | | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc | 0 | | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 0 | | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc | 1 | | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc | 1 | | | |
| tgt_DtrmnElapsedTime_mS_u32_ElapsedTime | 3437401088 | | | |
| tgt_GetSystemTime_mS_u32_CurrentTime | 954802432 | | | |
| Name | Actual Value | Expected Value | Result | |
| Autocenter_f32() | 0 | 0 ± 0.1 | - | |
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 954802432 | 954802432 | ✓ | |
| tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 | 4129141760 | 4129141760 | - | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -293.049988 | -293.049988 | ~ | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -293.049988 | -293.049988 | ✓ | |





| Name | Actual Value | Expected Value | Result |
|---------------------------------------------------|--------------|----------------|----------|
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc | 0 | 0 | ✓ |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 0 | 0 | ✓ |
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ✓ |
| tgt AutoCntr Cnt T str.Filter2Initialized Cnt Igc | 1 | 1 | ✓ |

| T | | | | V |
|----------------------|-------|----------------------|-------|--------|
| Actual Function | Count | Expected Function | Count | Result |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |

| Test Step 2.11 (Repeat Count = 1) Name | Input Value | | | |
|-------------------------------------------------------------|-----------------------------------|-----------------------------------------|-------|--|
| AutoCntr Cnt T str | tgt AutoCntr Cnt T str | | | |
| DtrmnElapsedTime mS u32(ElapsedTime) | | | | |
| FiltPinTrq_HwNm_T_f32 | 9.45499992 | tgt_DtrmnElapsedTime_mS_u32_ElapsedTime | | |
| GetSystemTime mS u32(CurrentTime) | tgt_GetSystemTime_mS_u32_CurrentT | ime | | |
| MotorVelCRF MtrRadpS T f32 | 1100.25 | iiiie | | |
| RelHwPos HwDeg T f32 | -627.179993 | | | |
| VehSpdValid Cnt T lgc | 0 | | | |
| VehicleSpeed_Kph_T_f32 | 226 | | | |
| tgt AutoCntr Cnt T str.MtrVel MtrRadpS f32 | 350.230011 | | | |
| tgt AutoCntr Cnt T str.VehSpd kph f32 | 18.1100006 | | | |
| tgt AutoCntr Cnt T str.FiltPinTrg HwNm f32 | 3 | | | |
| tgt AutoCntr Cnt T str.CntrWindow HwDeg f32 | 96 | | | |
| tgt AutoCntr Cnt T str.Timer1Thresh mS u16 | 13352 | | | |
| tgt AutoCntr Cnt T str.Timer2Thresh mS u16 | 40437 | | | |
| tgt AutoCntr Cnt T str.Timer1 mS u32 | 3714197504 | | | |
| tgt AutoCntr Cnt T str.Timer2 mS u32 | 662694400 | | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -627.179993 | | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000796000008 | | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -627.179993 | | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000330100011 | | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc | 1 | | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 1 | | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc | 0 | | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc | 0 | | | |
| tgt_DtrmnElapsedTime_mS_u32_ElapsedTime | 3494315776 | | | |
| tgt_GetSystemTime_mS_u32_CurrentTime | 2728878080 | | | |
| Name | Actual Value | Expected Value | Resul | |
| Autocenter_f32() | 0 | 0 ± 0.1 | | |
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 2728878080 | 2728878080 | • | |
| tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 | 662694400 | 662694400 | • | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -627.179993 | -627.179993 | • | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -627.179993 | -627.179993 | • | |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc | 0 | 0 | • | |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 1 | 1 | • | |
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc | 0 | 0 | | |
| tgt AutoCntr Cnt T str.Filter2Initialized Cnt Igc | 0 | 0 | | |

| Τ | | | | ✓ |
|----------------------|-------|----------------------|-------|--------|
| Actual Function | Count | Expected Function | Count | Result |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | • |

| Test Step 2.12 (Repeat Count = 1) | | |
|---------------------------------------------|-----------------------------------------|--|
| Name | Input Value | |
| AutoCntr_Cnt_T_str | tgt_AutoCntr_Cnt_T_str | |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | tgt_DtrmnElapsedTime_mS_u32_ElapsedTime | |
| FiltPinTrq_HwNm_T_f32 | 7.87699986 | |
| GetSystemTime_mS_u32(CurrentTime) | tgt_GetSystemTime_mS_u32_CurrentTime | |
| MotorVelCRF_MtrRadpS_T_f32 | -1200.25 | |
| RelHwPos_HwDeg_T_f32 | -277.480011 | |
| VehSpdValid_Cnt_T_lgc | 1 | |
| VehicleSpeed_Kph_T_f32 | 236.300003 | |
| tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32 | 400 | |
| tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32 | 88 | |
| tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32 | 1 | |
| tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32 | 32 | |

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| Name | Input Value | | |
|-------------------------------------------------------------|----------------|----------------|----------|
| tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16 | 21364 | | |
| tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16 | 2291 | | |
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 3323480832 | | |
| tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 | 2303132928 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -177.479996 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000798000023 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -177.479996 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.0003708 | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc | 0 | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 0 | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc | 1 | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc | 1 | | |
| tgt_DtrmnElapsedTime_mS_u32_ElapsedTime | 463842816 | | |
| tgt_GetSystemTime_mS_u32_CurrentTime | 824746752 | | |
| Name | Actual Value | Expected Value | Result |
| Autocenter_f32() | -100.000015 | -100 ± 0.1 | ✓ |
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 824746752 | 824746752 | ✓ |
| tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 | 2303132928 | 2303132928 | ✓ |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -177.479996 | -177.479996 | ✓ |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -177.479996 | -177.479996 | ✓ |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc | 0 | 0 | ✓ |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 0 | 0 | ✓ |
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ✓ |
| tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ~ |

| T | | | | ✓ |
|----------------------|-------|----------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |

| Name | Input Value | | | |
|-------------------------------------------------------------|----------------------------|------------------------|--------|--|
| AutoCntr_Cnt_T_str | tgt_AutoCntr_Cnt_T_str | tgt AutoCntr Cnt T str | | |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | tgt_DtrmnElapsedTime_mS_u3 | 32_ElapsedTime | | |
| FiltPinTrq_HwNm_T_f32 | 5.76599979 | | | |
| GetSystemTime_mS_u32(CurrentTime) | tgt_GetSystemTime_mS_u32_ | CurrentTime | | |
| MotorVelCRF_MtrRadpS_T_f32 | -900 | | | |
| RelHwPos_HwDeg_T_f32 | 731.700012 | | | |
| VehSpdValid_Cnt_T_lgc | 0 | | | |
| VehicleSpeed_Kph_T_f32 | 0 | | | |
| tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32 | 600 | | | |
| tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32 | 76.3199997 | | | |
| tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32 | 2.20000005 | | | |
| tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32 | 52.1399994 | | | |
| tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16 | 33198 | | | |
| tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16 | 38868 | | | |
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 71426560 | 71426560 | | |
| tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 | 4129141760 | | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 731.700012 | | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.00079999998 | | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 731.700012 | | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.00041149999 | | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc | 1 | | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 1 | | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc | 0 | | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc | 0 | | | |
| tgt_DtrmnElapsedTime_mS_u32_ElapsedTime | 1759885568 | | | |
| tgt_GetSystemTime_mS_u32_CurrentTime | 309385728 | | | |
| Name | Actual Value | Expected Value | Result | |
| Autocenter_f32() | 0 | 0 ± 0.1 | • | |
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 309385728 | 309385728 | | |
| tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 | 4129141760 | 4129141760 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 731.700012 | 731.700012 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 731.700012 | 731.700012 | • | |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc | 0 | 0 | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 1 | 1 | • | |
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc | 0 | 0 | • | |
| tgt AutoCntr Cnt T str.Filter2Initialized Cnt Igc | 0 | 0 | | |



| T | | | | V |
|----------------------|-------|----------------------|-------|--------|
| Actual Function | Count | Expected Function | Count | Result |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |

| Test Step 2.14 (Repeat Count = 1) Name | Input Value | | |
|-------------------------------------------------------------|-----------------------------|----------------|------|
| | | | |
| AutoCntr_Cnt_T_str | tgt_AutoCntr_Cnt_T_str | | |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | tgt_DtrmnElapsedTime_mS_u32 | Elapsed lime | |
| FiltPinTrq_HwNm_T_f32 | 3 | _ | |
| GetSystemTime_mS_u32(CurrentTime) | tgt_GetSystemTime_mS_u32_C | urrentTime | |
| MotorVelCRF_MtrRadpS_T_f32 | 800 | | |
| RelHwPos_HwDeg_T_f32 | -968.400024 | | |
| VehSpdValid_Cnt_T_lgc | 1 | | |
| VehicleSpeed_Kph_T_f32 | 512 | | |
| tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32 | 200.139999 | | |
| tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32 | 86 | | |
| tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32 | 4 | | |
| tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32 | 41 | | |
| tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16 | 21335 | | |
| tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16 | 53970 | | |
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 2430672128 | | |
| tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 | 2836768512 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -968.400024 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000801999995 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -968.400024 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000452200009 | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc | 0 | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 0 | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc | 1 | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc | 1 | | |
| tgt_DtrmnElapsedTime_mS_u32_ElapsedTime | 1662097408 | | |
| tgt_GetSystemTime_mS_u32_CurrentTime | 4164171008 | | |
| Name | Actual Value | Expected Value | Resu |
| Autocenter f32() | 0 | 0 ± 0.1 | |
| tgt AutoCntr Cnt T str.Timer1 mS u32 | 4164171008 | 4164171008 | |
| tgt AutoCntr Cnt T str.Timer2 mS u32 | 2836768512 | 2836768512 | |
| tgt AutoCntr Cnt T str.RelHwPosFilt1SV HwDeg str.SV Uls f32 | -968.400024 | -968.400024 | |
| tgt AutoCntr Cnt T str.RelHwPosFilt2SV HwDeg str.SV Uls f32 | -968.400024 | -968.400024 | |
| tgt AutoCntr Cnt T str.Filter1Enable Cnt Igc | 0 | 0 | |
| tgt AutoCntr Cnt T str.Filter2Enable Cnt Igc | 0 | 0 | |
| tgt AutoCntr Cnt T str.Filter1Initialized Cnt Igc | 1 | 1 | |
| tgt AutoCntr Cnt T str.Filter2Initialized Cnt Igc | 1 | 1 | |

| T | | | | ✓ |
|----------------------|-------|----------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| GetSystemTime mS u32 | 1 | GetSystemTime mS u32 | 1 | ~ |

| Test Step 2.15 (Repeat Count = 1) | | | |
|-------------------------------------------------------------|-----------------------------------------|--|--|
| Name | Input Value | | |
| AutoCntr_Cnt_T_str | tgt_AutoCntr_Cnt_T_str | | |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | tgt_DtrmnElapsedTime_mS_u32_ElapsedTime | | |
| FiltPinTrq_HwNm_T_f32 | 1.11000001 | | |
| GetSystemTime_mS_u32(CurrentTime) | tgt_GetSystemTime_mS_u32_CurrentTime | | |
| MotorVelCRF_MtrRadpS_T_f32 | -418.01001 | | |
| RelHwPos_HwDeg_T_f32 | 49.4199982 | | |
| VehSpdValid_Cnt_T_lgc | 0 | | |
| VehicleSpeed_Kph_T_f32 | 124.260002 | | |
| tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32 | 457 | | |
| tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32 | 96 | | |
| tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32 | 6 | | |
| tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32 | 63 | | |
| tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16 | 53970 | | |
| tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16 | 12258 | | |
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 2242866176 | | |
| tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 | 2478427648 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 49.4199982 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.00080400001 | | |

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| Name | Input Value | | |
|-------------------------------------------------------------|----------------|----------------|----------|
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 49.4199982 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000492900028 | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc | 1 | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 1 | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc | 0 | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc | 0 | | |
| tgt_DtrmnElapsedTime_mS_u32_ElapsedTime | 2127166208 | | |
| tgt_GetSystemTime_mS_u32_CurrentTime | 437658624 | | |
| Name | Actual Value | Expected Value | Result |
| Autocenter_f32() | 0 | 0 ± 0.1 | ~ |
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 437658624 | 437658624 | ~ |
| tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 | 2478427648 | 2478427648 | ~ |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 49.4199982 | 49.4199982 | ~ |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 49.4199982 | 49.4199982 | ~ |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc | 0 | 0 | ✓ |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 1 | 1 | ✓ |
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ✓ |
| tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ~ |

| T | | | | | |
|----------------------|-------|----------------------|-------|--------|--|
| Actual Function | Count | Expected Function | Count | Result | |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | • | |

| Test Step 2.16 (Repeat Count = 1) | Invest Welling | | | | |
|-------------------------------------------------------------|-----------------------------------------|--------------------------------------|------|--|--|
| Name | Input Value | | | | |
| AutoCntr_Cnt_T_str | tgt_AutoCntr_Cnt_T_str | | | | |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | tgt_DtrmnElapsedTime_mS_u32_ElapsedTime | | | | |
| FiltPinTrq_HwNm_T_f32 | 2.98000002 | | | | |
| GetSystemTime_mS_u32(CurrentTime) | | tgt_GetSystemTime_mS_u32_CurrentTime | | | |
| MotorVelCRF_MtrRadpS_T_f32 | -425 | | | | |
| RelHwPos_HwDeg_T_f32 | -559.150024 | | | | |
| VehSpdValid_Cnt_T_lgc | 0 | | | | |
| VehicleSpeed_Kph_T_f32 | 156 | | | | |
| tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32 | 498.230011 | | | | |
| tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32 | 106.139999 | | | | |
| tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32 | 14.3000002 | | | | |
| tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32 | 88 | | | | |
| tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16 | 12258 | | | | |
| tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16 | 12258 | | | | |
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 2269150976 | | | | |
| tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 | 4180236544 | | | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -559.150024 | | | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000806000025 | | | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -559.150024 | | | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000533599989 | | | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc | 0 | | | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 0 | | | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc | 1 | | | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc | 1 | | | | |
| tgt_DtrmnElapsedTime_mS_u32_ElapsedTime | 4243378688 | | | | |
| tgt_GetSystemTime_mS_u32_CurrentTime | 3941357312 | | | | |
| Name | Actual Value | Expected Value | Resu | | |
| Autocenter_f32() | 0 | 0 ± 0.1 | | | |
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 3941357312 | 3941357312 | | | |
| tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 | 4180236544 | 4180236544 | • | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -559.150024 | -559.150024 | | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -559.150024 | -559.150024 | | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_Igc | 0 | 0 | | | |
| tgt AutoCntr Cnt T str.Filter2Enable Cnt lgc | 0 | 0 | | | |
| tgt AutoCntr Cnt T str.Filter1Initialized Cnt Igc | 1 | 1 | | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc | 1 | 1 | | | |

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|----------------------|-------|----------------------|-------|--------|--|
| Actual Function | Count | Expected Function | Count | Result | |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ | |





| Name | Input Value | | | | |
|-------------------------------------------------------------|--------------------------------------|----------------|-------|--|--|
| AutoCntr_Cnt_T_str | tgt AutoCntr Cnt T str | | | | |
| DtrmnElapsedTime mS u32(ElapsedTime) | tgt DtrmnElapsedTime mS u32 | ? ElapsedTime | | | |
| FiltPinTrg HwNm T f32 | 4.2329998 | 4.2329998 | | | |
| GetSystemTime_mS_u32(CurrentTime) | tgt GetSystemTime mS u32 CurrentTime | | | | |
| MotorVelCRF MtrRadpS T f32 | 752 | | | | |
| RelHwPos_HwDeg_T_f32 | 933.469971 | | | | |
| VehSpdValid_Cnt_T_lgc | 1 | | | | |
| VehicleSpeed_Kph_T_f32 | 166.977005 | | | | |
| tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32 | 539 | | | | |
| tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32 | 116 | | | | |
| tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32 | 18 | | | | |
| tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32 | 75.1200027 | | | | |
| tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16 | 29076 | | | | |
| tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16 | 29076 | | | | |
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 3533260288 | | | | |
| tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 | 3494315776 | | | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 933.469971 | | | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000807999982 | | | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 933.469971 | | | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000574300007 | | | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc | 1 | | | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 1 | | | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc | 0 | | | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc | 0 | | | | |
| tgt_DtrmnElapsedTime_mS_u32_ElapsedTime | 1050692864 | | | | |
| tgt_GetSystemTime_mS_u32_CurrentTime | 3304439296 | | | | |
| Name | Actual Value | Expected Value | Resul | | |
| Autocenter_f32() | 0 | 0 ± 0.1 | • | | |
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 3304439296 | 3304439296 | • | | |
| tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 | 3494315776 | 3494315776 | | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 933.469971 | 933.469971 | | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 933.469971 | 933.469971 | • | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc | 0 | 0 | • | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 1 | 1 | | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc | 0 | 0 | • | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc | 0 | 0 | | | |

| T | | | | | |
|----------------------|-------|----------------------|-------|--------|--|
| Actual Function | Count | Expected Function | Count | Result | |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ | |

| Test Step 2.18 (Repeat Count = 1) | ✓ |
|-------------------------------------------------------------|-----------------------------------------|
| Name | Input Value |
| AutoCntr_Cnt_T_str | tgt_AutoCntr_Cnt_T_str |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | tgt_DtrmnElapsedTime_mS_u32_ElapsedTime |
| FiltPinTrq_HwNm_T_f32 | 6.98699999 |
| GetSystemTime_mS_u32(CurrentTime) | tgt_GetSystemTime_mS_u32_CurrentTime |
| MotorVelCRF_MtrRadpS_T_f32 | -158 |
| RelHwPos_HwDeg_T_f32 | -3200 |
| VehSpdValid_Cnt_T_lgc | 1 |
| VehicleSpeed_Kph_T_f32 | 184 |
| tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32 | 580.109985 |
| tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32 | 126 |
| tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32 | 16 |
| tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32 | 97 |
| tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16 | 32821 |
| tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16 | 32821 |
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 812314880 |
| tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 | 463842816 |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1144.59998 |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000809999998 |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1144.59998 |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000615000026 |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc | 0 |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 0 |
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc | 0 |
| tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc | 1 |
| tgt_DtrmnElapsedTime_mS_u32_ElapsedTime | 3039943680 |

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| Name | Input Value | | |
|-------------------------------------------------------------|--------------|-------------------|----------|
| tgt_GetSystemTime_mS_u32_CurrentTime | 2167769344 | | |
| Name | Actual Value | Expected Value | Result |
| Autocenter_f32() | -2054.13599 | -2054.13599 ± 0.1 | ~ |
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 812314880 | 812314880 | ✓ |
| tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 | 2167769344 | 2167769344 | ✓ |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -3200 | -3200 | ✓ |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1145.86401 | -1145.86401 | ✓ |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc | 1 | 1 | ✓ |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 1 | 1 | ✓ |
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ✓ |
| tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ✓ |

| Т | | | | | |
|-------------------------|-------|-------------------------|-------|----------|--|
| Actual Function | Count | Expected Function | Count | Result | |
| DtrmnElapsedTime_mS_u32 | 1 | DtrmnElapsedTime_mS_u32 | 1 | ~ | |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ✓ | |
| DtrmnElapsedTime_mS_u32 | 1 | DtrmnElapsedTime_mS_u32 | 1 | ✓ | |

| Name | Input Value | | | | |
|-------------------------------------------------------------|-----------------------------------------|--------------------------------------|----------|--|--|
| AutoCntr_Cnt_T_str | tgt_AutoCntr_Cnt_T_str | tgt_AutoCntr_Cnt_T_str | | | |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | tgt_DtrmnElapsedTime_mS_u32_ElapsedTime | | | | |
| FiltPinTrq HwNm T f32 | 14.6626997 | | | | |
| GetSystemTime_mS_u32(CurrentTime) | tgt_GetSystemTime_mS_u32_C | tgt GetSystemTime mS u32 CurrentTime | | | |
| MotorVelCRF_MtrRadpS_T_f32 | 536.200012 | | | | |
| RelHwPos_HwDeg_T_f32 | 3200 | | | | |
| VehSpdValid_Cnt_T_lgc | 1 | | | | |
| VehicleSpeed_Kph_T_f32 | 164 | | | | |
| tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32 | 621 | | | | |
| tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32 | 136.139999 | | | | |
| tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32 | 18.1000004 | | | | |
| tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32 | 86 | | | | |
| tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16 | 40437 | | | | |
| tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16 | 40437 | | | | |
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 3345084416 | | | | |
| tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 | 1759885568 | | | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 91.0800018 | | | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000812000013 | | | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 91.0800018 | | | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000655699987 | | | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc | 0 | | | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 1 | | | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc | 0 | | | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc | 0 | | | | |
| tgt_DtrmnElapsedTime_mS_u32_ElapsedTime | 1316564736 | | | | |
| tgt_GetSystemTime_mS_u32_CurrentTime | 3714197504 | | | | |
| Name | Actual Value | Expected Value | Result | | |
| Autocenter_f32() | 0 | 0 ± 0.1 | ✓ | | |
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 3345084416 | 3345084416 | ✓ | | |
| tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 | 3714197504 | 3714197504 | ✓ | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 3200 | 3200 | ✓ | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 3200 | 3200 | - | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc | 1 | 1 | ✓ | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 1 | 1 | • | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ✓ | | |
| tgt AutoCntr Cnt T str.Filter2Initialized Cnt Igc | 1 | 1 | ✓ | | |

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|-------------------------|-------|-------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| DtrmnElapsedTime_mS_u32 | 1 | DtrmnElapsedTime_mS_u32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| DtrmnElapsedTime_mS_u32 | 1 | DtrmnElapsedTime_mS_u32 | 1 | ~ |

| Test Step 2.20 (Repeat Count = 1) | |
|-----------------------------------|------------------------|
| Name | Input Value |
| AutoCntr_Cnt_T_str | tgt_AutoCntr_Cnt_T_str |

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| Name | Input Value | | |
|-------------------------------------------------------------|--------------------------------------|-------------------|----------|
| DtrmnElapsedTime_mS_u32(ElapsedTime) | tgt_DtrmnElapsedTime_mS_u32_ElapsedT | ïme | |
| FiltPinTrq_HwNm_T_f32 | 7.0999999 | | |
| GetSystemTime_mS_u32(CurrentTime) | tgt_GetSystemTime_mS_u32_CurrentTime | | |
| MotorVelCRF_MtrRadpS_T_f32 | 159 | | |
| RelHwPos_HwDeg_T_f32 | 0 | | |
| VehSpdValid_Cnt_T_lgc | 1 | | |
| VehicleSpeed_Kph_T_f32 | 152.300003 | | |
| tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32 | 662 | | |
| tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32 | 146 | | |
| tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32 | 8 | | |
| tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32 | 42.0200005 | | |
| tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16 | 2291 | | |
| tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16 | 2291 | | |
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 2704864000 | | |
| tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 | 1662097408 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 2576.71997 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000814000028 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 2576.71997 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000696400006 | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc | 0 | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 0 | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc | 0 | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc | 1 | | |
| tgt_DtrmnElapsedTime_mS_u32_ElapsedTime | 2075080192 | | |
| tgt_GetSystemTime_mS_u32_CurrentTime | 3323480832 | | |
| Name | Actual Value | Expected Value | Result |
| Autocenter_f32() | -2574.92554 | -2574.92554 ± 0.1 | ~ |
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 2704864000 | 2704864000 | ✓ |
| tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 | 3323480832 | 3323480832 | • |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 0 | 0 | • |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 2574.92554 | 2574.92554 | • |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc | 1 | 1 | • |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 1 | 1 | • |
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc | 1 | 1 | • |
| tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc | 1 | 1 | • |

| T | | | V | |
|-------------------------|-------|-------------------------|-------|--------|
| Actual Function | Count | Expected Function | Count | Result |
| DtrmnElapsedTime_mS_u32 | 1 | DtrmnElapsedTime_mS_u32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| DtrmnElapsedTime_mS_u32 | 1 | DtrmnElapsedTime_mS_u32 | 1 | ~ |



| Test Step 2.21 (Repeat Count = 1) | | | • |
|-------------------------------------------------------------|--------------------------------------|----------------|----------|
| Name | Input Value | | |
| AutoCntr_Cnt_T_str | tgt AutoCntr Cnt T str | | |
| DtrmnElapsedTime mS u32(ElapsedTime) | tgt_DtrmnElapsedTime mS u32 ElapsedT | Time | |
| FiltPinTrg HwNm T f32 | 2.0999999 | mic | |
| GetSystemTime mS u32(CurrentTime) | tgt GetSystemTime mS u32 CurrentTime | | |
| MotorVelCRF MtrRadpS T f32 | 110 | • | |
| RelHwPos HwDeg T f32 | 448.5 | | |
| VehSpdValid Cnt T Igc | 1 | | |
| VehicleSpeed Kph T f32 | 198 | | |
| tgt AutoCntr Cnt T str.MtrVel MtrRadpS f32 | 124.139999 | | |
| tgt AutoCntr Cnt T str.VehSpd kph f32 | 156.110001 | | |
| tgt AutoCntr Cnt T str.FiltPinTrg HwNm f32 | 4 | | |
| tgt AutoCntr Cnt T str.CntrWindow HwDeg f32 | 96 | | |
| tgt AutoCntr Cnt T str.Timer1Thresh mS u16 | 38868 | | |
| tgt AutoCntr Cnt T str.Timer2Thresh mS u16 | 38868 | | |
| tgt AutoCntr Cnt T str.Timer1 mS u32 | 4129141760 | | |
| tgt AutoCntr Cnt T str.Timer2 mS u32 | 2127166208 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1347.40002 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000815999985 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1347.40002 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000737100025 | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc | 0 | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 1 | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc | 0 | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc | 0 | | |
| tgt_DtrmnElapsedTime_mS_u32_ElapsedTime | 954802432 | | |
| tgt_GetSystemTime_mS_u32_CurrentTime | 71426560 | | |
| Name | Actual Value | Expected Value | Result |
| Autocenter_f32() | 0 | 0 ± 0.1 | ~ |
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 4129141760 | 4129141760 | ✓ |
| tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 | 71426560 | 71426560 | ~ |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 448.5 | 448.5 | ✓ |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 448.5 | 448.5 | ✓ |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc | 1 | 1 | ✓ |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 1 | 1 | ~ |
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_Igc | 1 | 1 | • |
| tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc | 1 | 1 | • |

| T | | | | ✓ |
|-------------------------|-------|-------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| DtrmnElapsedTime_mS_u32 | 1 | DtrmnElapsedTime_mS_u32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ✓ |
| DtrmnElapsedTime mS u32 | 1 | DtrmnElapsedTime mS u32 | 1 | ✓ |

| Test Step 2.22 (Repeat Count = 1) | ✓ |
|-------------------------------------------------------------|-----------------------------------------|
| Name | Input Value |
| AutoCntr_Cnt_T_str | tgt_AutoCntr_Cnt_T_str |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | tgt_DtrmnElapsedTime_mS_u32_ElapsedTime |
| FiltPinTrq_HwNm_T_f32 | 9.69999981 |
| GetSystemTime_mS_u32(CurrentTime) | tgt_GetSystemTime_mS_u32_CurrentTime |
| MotorVelCRF_MtrRadpS_T_f32 | -125.199997 |
| RelHwPos_HwDeg_T_f32 | -157.490005 |
| VehSpdValid_Cnt_T_lgc | 1 |
| VehicleSpeed_Kph_T_f32 | 188 |
| tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32 | 138 |
| tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32 | 166 |
| tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32 | 16.0200005 |
| tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32 | 32 |
| tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16 | 53970 |
| tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16 | 53970 |
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 662694400 |
| tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 | 4243378688 |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 355.5 |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000818 |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 355.5 |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000777799985 |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc | 0 |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 0 |
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc | 0 |

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| Name | Input Value | | |
|-------------------------------------------------------------|--------------|-------------------|----------|
| tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc | 1 | | |
| tgt_DtrmnElapsedTime_mS_u32_ElapsedTime | 2728878080 | | |
| tgt_GetSystemTime_mS_u32_CurrentTime | 2430672128 | | |
| Name | Actual Value | Expected Value | Result |
| Autocenter_f32() | -512.591003 | -512.591003 ± 0.1 | ✓ |
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 662694400 | 662694400 | ✓ |
| tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 | 2430672128 | 2430672128 | ✓ |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -157.490005 | -157.490005 | ✓ |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 355.100983 | 355.100983 | ✓ |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc | 1 | 1 | ✓ |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 1 | 1 | ✓ |
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ✓ |
| tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ✓ |

| Τ | | | V | |
|-------------------------|-------|-------------------------|-------|--------|
| Actual Function | Count | Expected Function | Count | Result |
| DtrmnElapsedTime_mS_u32 | 1 | DtrmnElapsedTime_mS_u32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| DtrmnElapsedTime_mS_u32 | 1 | DtrmnElapsedTime_mS_u32 | 1 | ~ |

| Name | Input Value | | | |
|-------------------------------------------------------------|-----------------------------|-------------------|-------|--|
| AutoCntr Cnt T str | tgt AutoCntr Cnt T str | | | |
| DtrmnElapsedTime mS u32(ElapsedTime) | tgt DtrmnElapsedTime mS u33 | 2 ElapsedTime | | |
| FiltPinTrq HwNm T f32 | 8 | - ' | | |
| GetSystemTime_mS_u32(CurrentTime) | tgt GetSystemTime mS u32 C | CurrentTime | | |
| MotorVelCRF_MtrRadpS_T_f32 | 154 | | | |
| RelHwPos_HwDeg_T_f32 | -1144.59998 | | | |
| VehSpdValid_Cnt_T_lgc | 1 | | | |
| VehicleSpeed_Kph_T_f32 | 88.1200027 | | | |
| tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32 | 0 | | | |
| tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32 | 176.320007 | | | |
| tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32 | 14 | | | |
| tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32 | 52.2999992 | | | |
| tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16 | 12258 | | | |
| tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16 | 12258 | | | |
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 2303132928 | | | |
| tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 | 1050692864 | | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 49.4199982 | | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000820000016 | 0.000820000016 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 49.4199982 | 49.4199982 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000818500004 | 0.000818500004 | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc | 1 | 1 | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 1 | | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc | 0 | | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc | 0 | | | |
| tgt_DtrmnElapsedTime_mS_u32_ElapsedTime | 824746752 | | | |
| tgt_GetSystemTime_mS_u32_CurrentTime | 2242866176 | | | |
| Name | Actual Value | Expected Value | Resul | |
| Autocenter_f32() | -1194.02002 | -1194.02002 ± 0.1 | • | |
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 2242866176 | 2242866176 | • | |
| tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 | 1050692864 | 1050692864 | • | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 49.4199982 | 49.4199982 | • | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 49.4199982 | 49.4199982 | • | |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc | 0 | 0 | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 1 | 1 | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_Igc | 0 | 0 | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc | 0 | 0 | | |

| T | | | | V |
|----------------------|-------|----------------------|-------|--------|
| Actual Function | Count | Expected Function | Count | Result |
| GetSystemTime mS u32 | 1 | GetSystemTime mS u32 | 1 | |

| Test Step 2.24 (Repeat Count = 1) | ✓ |
|-----------------------------------|------------------------|
| Name | Input Value |
| AutoCntr_Cnt_T_str | tgt_AutoCntr_Cnt_T_str |

Autocenter_f32



| Name | Input Value | | |
|-------------------------------------------------------------|--------------------------------------|-----------------|----------|
| DtrmnElapsedTime_mS_u32(ElapsedTime) | tgt_DtrmnElapsedTime_mS_u32_ElapsedT | ime | |
| FiltPinTrq_HwNm_T_f32 | 4 | | |
| GetSystemTime_mS_u32(CurrentTime) | tgt_GetSystemTime_mS_u32_CurrentTime | | |
| MotorVelCRF_MtrRadpS_T_f32 | -759 | | |
| RelHwPos_HwDeg_T_f32 | 91.0800018 | | |
| VehSpdValid_Cnt_T_lgc | 0 | | |
| VehicleSpeed_Kph_T_f32 | 76 | | |
| tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32 | 700 | | |
| tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32 | 186 | | |
| tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32 | 12 | | |
| tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32 | 41 | | |
| tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16 | 20423 | | |
| tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16 | 20423 | | |
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 4129141760 | | |
| tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 | 3039943680 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -559.150024 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000821999973 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -559.150024 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000859200023 | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc | 0 | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 0 | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc | 1 | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc | 1 | | |
| tgt_DtrmnElapsedTime_mS_u32_ElapsedTime | 309385728 | | |
| tgt_GetSystemTime_mS_u32_CurrentTime | 2269150976 | | |
| Name | Actual Value | Expected Value | Result |
| Autocenter_f32() | 650.230042 | 650.22998 ± 0.1 | ~ |
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 2269150976 | 2269150976 | ~ |
| tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 | 3039943680 | 3039943680 | ~ |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -559.150024 | -559.150024 | ~ |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -559.150024 | -559.150024 | ~ |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc | 0 | 0 | ~ |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 0 | 0 | ~ |
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ~ |
| tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ~ |

| T | | | | ✓ |
|----------------------|-------|----------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |

| Test Step 2.25 (Repeat Count = 1) | | | ~ |
|-------------------------------------------------------------|-----------------------------|----------------|----------|
| Name | Input Value | | |
| AutoCntr_Cnt_T_str | tgt_AutoCntr_Cnt_T_str | | |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | tgt_DtrmnElapsedTime_mS_u32 | _ElapsedTime | |
| FiltPinTrq_HwNm_T_f32 | 16 | | |
| GetSystemTime_mS_u32(CurrentTime) | tgt_GetSystemTime_mS_u32_C | urrentTime | |
| MotorVelCRF_MtrRadpS_T_f32 | -1253.22998 | | |
| RelHwPos_HwDeg_T_f32 | 1576.71997 | | |
| VehSpdValid_Cnt_T_lgc | 1 | | |
| VehicleSpeed_Kph_T_f32 | 86.5500031 | | |
| tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32 | 350.299988 | | |
| tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32 | 196.020004 | | |
| tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32 | 10 | | |
| tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32 | 63 | | |
| tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16 | 7034 | | |
| tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16 | 7034 | | |
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 2836768512 | | |
| tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 | 1316564736 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 933.469971 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000823999988 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 933.469971 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000899899984 | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc | 1 | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 1 | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc | 0 | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc | 0 | | |
| tgt_DtrmnElapsedTime_mS_u32_ElapsedTime | 4164171008 | | |
| tgt_GetSystemTime_mS_u32_CurrentTime | 3533260288 | | |
| Name | Actual Value | Expected Value | Result |
| Autocenter_f32() | 643.25 | 643.25 ± 0.1 | ~ |

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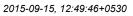
| Name | Actual Value | Expected Value | Result |
|-------------------------------------------------------------|--------------|----------------|----------|
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 3533260288 | 3533260288 | ✓ |
| tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 | 1316564736 | 1316564736 | ~ |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 933.469971 | 933.469971 | ~ |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 933.469971 | 933.469971 | ~ |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc | 0 | 0 | ✓ |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 1 | 1 | ✓ |
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ✓ |
| tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ✓ |

| T | | | | • | 0 |
|----------------------|-------|----------------------|-------|-------|---|
| Actual Function | Count | Expected Function | Count | Resul | t |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ٠, | - |

| Test Step 2.26 (Repeat Count = 1) | | | ✓ |
|-------------------------------------------------------------|-----------------------------|----------------|----------|
| Name | Input Value | | |
| AutoCntr_Cnt_T_str | tgt_AutoCntr_Cnt_T_str | | |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | tgt_DtrmnElapsedTime_mS_u32 | 2_ElapsedTime | |
| FiltPinTrq_HwNm_T_f32 | 14.1199999 | | |
| GetSystemTime_mS_u32(CurrentTime) | tgt_GetSystemTime_mS_u32_C | currentTime | |
| MotorVelCRF_MtrRadpS_T_f32 | 835 | | |
| RelHwPos_HwDeg_T_f32 | 1347.40002 | | |
| VehSpdValid_Cnt_T_lgc | 0 | | |
| VehicleSpeed_Kph_T_f32 | 96 | | |
| tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32 | 88 | | |
| tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32 | 0 | | |
| tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32 | 2.29999995 | | |
| tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32 | 88 | | |
| tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16 | 29076 | | |
| tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16 | 29076 | | |
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 2478427648 | | |
| tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 | 2075080192 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1144.59998 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000826000003 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1144.59998 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000940600003 | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc | 0 | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 0 | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc | 1 | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc | 1 | | |
| tgt_DtrmnElapsedTime_mS_u32_ElapsedTime | 437658624 | | |
| tgt_GetSystemTime_mS_u32_CurrentTime | 812314880 | | |
| Name | Actual Value | Expected Value | Result |
| Autocenter_f32() | 2492 | 2492 ± 0.1 | ✓ |
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 812314880 | 812314880 | ✓ |
| tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 | 2075080192 | 2075080192 | ✓ |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1144.59998 | -1144.59998 | ✓ |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1144.59998 | -1144.59998 | ✓ |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc | 0 | 0 | ✓ |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 0 | 0 | ✓ |
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ✓ |
| tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ✓ |

| T | | | V | |
|----------------------|-------|----------------------|-------|--------|
| Actual Function | Count | Expected Function | Count | Result |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |

| Test Step 2.27 (Repeat Count = 1) | | ✓ |
|--------------------------------------|-----------------------------------------|---|
| Name | Input Value | |
| AutoCntr_Cnt_T_str | tgt_AutoCntr_Cnt_T_str | |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | tgt_DtrmnElapsedTime_mS_u32_ElapsedTime | |
| FiltPinTrq_HwNm_T_f32 | 12 | |
| GetSystemTime_mS_u32(CurrentTime) | tgt_GetSystemTime_mS_u32_CurrentTime | |
| MotorVelCRF_MtrRadpS_T_f32 | 456 | |
| RelHwPos_HwDeg_T_f32 | 355.5 | |
| VehSpdValid_Cnt_T_lgc | 1 | |
| VehicleSpeed_Kph_T_f32 | 106 | |





| Name | Input Value | | |
|-------------------------------------------------------------|----------------|------------------|----------|
| tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32 | 94 | | |
| tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32 | 255 | | |
| tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32 | 10 | | |
| tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32 | 75.1999969 | | |
| tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16 | 32821 | | |
| tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16 | 32821 | | |
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 4180236544 | | |
| tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 | 954802432 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 191.080002 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000828000018 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 91.0800018 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000981300022 | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc | 1 | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 1 | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc | 0 | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc | 0 | | |
| tgt_DtrmnElapsedTime_mS_u32_ElapsedTime | 3941357312 | | |
| tgt_GetSystemTime_mS_u32_CurrentTime | 3437401088 | | |
| Name | Actual Value | Expected Value | Result |
| Autocenter_f32() | 264.419983 | 264.420013 ± 0.1 | ~ |
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 3437401088 | 3437401088 | ✓ |
| tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 | 954802432 | 954802432 | ✓ |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 191.080002 | 191.080002 | ✓ |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 91.0800018 | 91.0800018 | ✓ |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc | 0 | 0 | • |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 1 | 1 | ~ |
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ~ |
| tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ✓ |

| T | | | | ✓ |
|----------------------|-------|----------------------|------|----------|
| Actual Function | Count | Expected Function | Coun | Result |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |

| Test Step 2.28 (Repeat Count = 1) | | | ✓ |
|-------------------------------------------------------------|----------------------------------|----------------|----------|
| Name | Input Value | | |
| AutoCntr_Cnt_T_str | tgt_AutoCntr_Cnt_T_str | | |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | tgt_DtrmnElapsedTime_mS_u32_Elap | osedTime | |
| FiltPinTrq_HwNm_T_f32 | 10 | | |
| GetSystemTime_mS_u32(CurrentTime) | tgt_GetSystemTime_mS_u32_Curren | tTime | |
| MotorVelCRF_MtrRadpS_T_f32 | 753 | | |
| RelHwPos_HwDeg_T_f32 | -174.199997 | | |
| VehSpdValid_Cnt_T_lgc | 0 | | |
| VehicleSpeed_Kph_T_f32 | 116 | | |
| tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32 | 126 | | |
| tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32 | 124.260002 | | |
| tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32 | 12 | | |
| tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32 | 97 | | |
| tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16 | 40437 | | |
| tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16 | 40437 | | |
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 3494315776 | | |
| tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 | 2728878080 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -174.199997 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000829999975 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -174.199997 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.00102199998 | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc | 0 | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 0 | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc | 1 | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc | 1 | | |
| tgt_DtrmnElapsedTime_mS_u32_ElapsedTime | 3304439296 | | |
| tgt_GetSystemTime_mS_u32_CurrentTime | 3494315776 | | |
| Name | Actual Value | Expected Value | Result |
| Autocenter_f32() | 0 | 0 ± 0.1 | ✓ |
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 3494315776 | 3494315776 | ✓ |
| tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 | 2728878080 | 2728878080 | ✓ |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -174.199997 | -174.199997 | ✓ |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -174.199997 | -174.199997 | ✓ |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc | 0 | 0 | ~ |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 0 | 0 | ✓ |
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ✓ |

Autocenter_f32



| Name | Actual Value | Expected Value | Result |
|---------------------------------------------------|--------------|----------------|--------|
| tat AutoCntr Cnt T str.Filter2Initialized Cnt lac | 1 | 1 | ~ |

| Τ | | | | ✓ |
|----------------------|-------|----------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |

| Test Step 2.29 (Repeat Count = 1) | | | ✓ | | |
|-------------------------------------------------------------|------------------------------|-----------------------------------------|----------|--|--|
| Name | Input Value | | | | |
| AutoCntr_Cnt_T_str | tgt_AutoCntr_Cnt_T_str | tgt_AutoCntr_Cnt_T_str | | | |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | tgt_DtrmnElapsedTime_mS_u32_ | tgt_DtrmnElapsedTime_mS_u32_ElapsedTime | | | |
| FiltPinTrq_HwNm_T_f32 | 2 | | | | |
| GetSystemTime_mS_u32(CurrentTime) | tgt_GetSystemTime_mS_u32_Cu | ırrentTime | | | |
| MotorVelCRF_MtrRadpS_T_f32 | 119 | | | | |
| RelHwPos_HwDeg_T_f32 | -475.299988 | | | | |
| VehSpdValid_Cnt_T_lgc | 1 | | | | |
| VehicleSpeed_Kph_T_f32 | 146.100006 | | | | |
| tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32 | 124.25 | | | | |
| tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32 | 136.110001 | | | | |
| tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32 | 0 | | | | |
| tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32 | 86 | | | | |
| tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16 | 2291 | | | | |
| tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16 | 2291 | | | | |
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 463842816 | | | | |
| tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 | 4164171008 | 4164171008 | | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -475.299988 | | | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000831999991 | | | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -475.299988 | | | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.00106269994 | | | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc | 1 | | | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 1 | | | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc | 0 | | | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc | 0 | | | | |
| tgt_DtrmnElapsedTime_mS_u32_ElapsedTime | 2167769344 | | | | |
| tgt_GetSystemTime_mS_u32_CurrentTime | 463842816 | | | | |
| Name | Actual Value | Expected Value | Result | | |
| Autocenter_f32() | 0 | 0 ± 0.1 | • | | |
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 463842816 | 463842816 | ✓ | | |
| tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 | 4164171008 | 4164171008 | - | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -475.299988 | -475.299988 | • | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -475.299988 | -475.299988 | • | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc | 0 | 0 | • | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 1 | 1 | • | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc | 0 | 0 | • | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ✓ | | |

| T | | | | V |
|----------------------|-------|----------------------|-------|--------|
| Actual Function | Count | Expected Function | Count | Result |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |

| Test Step 2.30 (Repeat Count = 1) | |
|---------------------------------------------|-----------------------------------------|
| Name | Input Value |
| AutoCntr_Cnt_T_str | tgt_AutoCntr_Cnt_T_str |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | tgt_DtrmnElapsedTime_mS_u32_ElapsedTime |
| FiltPinTrq_HwNm_T_f32 | 4 |
| GetSystemTime_mS_u32(CurrentTime) | tgt_GetSystemTime_mS_u32_CurrentTime |
| MotorVelCRF_MtrRadpS_T_f32 | 12 |
| RelHwPos_HwDeg_T_f32 | -257.48999 |
| VehSpdValid_Cnt_T_lgc | 1 |
| VehicleSpeed_Kph_T_f32 | 136.25 |
| tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32 | 63.1100006 |
| tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32 | 14.0200005 |
| tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32 | 20 |
| tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32 | 42.0099983 |
| tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16 | 38868 |
| tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16 | 38868 |
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 1759885568 |

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| Name | Input Value | | |
|-------------------------------------------------------------|----------------|----------------|----------|
| tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 | 3941357312 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -157.490005 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000834000006 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -157.490005 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.00110340002 | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc | 0 | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 0 | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc | 1 | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc | 1 | | |
| tgt_DtrmnElapsedTime_mS_u32_ElapsedTime | 3714197504 | | |
| tgt_GetSystemTime_mS_u32_CurrentTime | 1759885568 | | |
| Name | Actual Value | Expected Value | Result |
| Autocenter_f32() | -99.9999847 | -100 ± 0.1 | ~ |
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 1759885568 | 1759885568 | ✓ |
| tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 | 1759885568 | 1759885568 | ~ |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -157.57341 | -157.573395 | ✓ |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -157.490005 | -157.490005 | ~ |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc | 1 | 1 | ✓ |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 0 | 0 | ~ |
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ~ |
| tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc | 1 | 1 | • |

| T | | | | ✓ |
|-------------------------|-------|-------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| DtrmnElapsedTime_mS_u32 | 1 | DtrmnElapsedTime_mS_u32 | 1 | ~ |
| GetSystemTime_mS_u32 | 2 | GetSystemTime_mS_u32 | 2 | ✓ |

| Test Step 2.31 (Repeat Count = 1) Name | Input Value | | | |
|-------------------------------------------------------------|-----------------------------------------|----------------|--------|--|
| AutoCntr Cnt T str | tgt AutoCntr Cnt T str | | | |
| DtrmnElapsedTime mS u32(ElapsedTime) | tgt DtrmnElapsedTime mS u32 ElapsedTime | | | |
| FiltPinTrg HwNm T f32 | 6 | | | |
| GetSystemTime mS u32(CurrentTime) | tgt GetSystemTime mS u32 Cu | ırrentTime | | |
| MotorVelCRF_MtrRadpS_T_f32 | 14 | | | |
| RelHwPos HwDeg T f32 | -354.700012 | | | |
| VehSpdValid Cnt T Igc | 1 | | | |
| VehicleSpeed Kph T f32 | 157 | | | |
| tgt AutoCntr Cnt T str.MtrVel MtrRadpS f32 | 45 | | | |
| tgt AutoCntr Cnt T str.VehSpd kph f32 | 156 | | | |
| tgt AutoCntr Cnt T str.FiltPinTrg HwNm f32 | 15.25 | | | |
| tgt AutoCntr Cnt T str.CntrWindow HwDeg f32 | 75 | | | |
| tgt AutoCntr Cnt T str.Timer1Thresh mS u16 | 53970 | | | |
| tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16 | 53970 | | | |
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 1662097408 | | | |
| tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 | 3304439296 | | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -354.700012 | | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000836000021 | | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -354.700012 | | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.00114409998 | | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc | 1 | | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 1 | | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc | 0 | | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc | 0 | | | |
| tgt_DtrmnElapsedTime_mS_u32_ElapsedTime | 3323480832 | | | |
| tgt_GetSystemTime_mS_u32_CurrentTime | 1662097408 | | | |
| Name | Actual Value | Expected Value | Result | |
| Autocenter_f32() | 0 | 0 ± 0.1 | • | |
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 1662097408 | 1662097408 | • | |
| tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 | 3304439296 | 3304439296 | • | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -354.700012 | -354.700012 | • | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -354.700012 | -354.700012 | • | |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_Igc | 1 | 1 | • | |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 1 | 1 | • | |
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc | 0 | 0 | • | |
| tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc | 0 | 0 | • | |

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|-------------------------|-------|-------------------------|-------|--------|
| Actual Function | Count | Expected Function | Count | Result |
| DtrmnElapsedTime_mS_u32 | 2 | DtrmnElapsedTime_mS_u32 | 2 | ~ |



| Test Step 2.32 (Repeat Count = 1) | | | ✓ | | |
|-------------------------------------------------------------|---------------------------|-----------------------------------------|----------|--|--|
| Name | Input Value | | | | |
| AutoCntr_Cnt_T_str | tgt_AutoCntr_Cnt_T_str | tgt_AutoCntr_Cnt_T_str | | | |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | tgt_DtrmnElapsedTime_mS_u | tgt_DtrmnElapsedTime_mS_u32_ElapsedTime | | | |
| FiltPinTrq_HwNm_T_f32 | 5 | | | | |
| GetSystemTime_mS_u32(CurrentTime) | tgt_GetSystemTime_mS_u32_ | CurrentTime | | | |
| MotorVelCRF_MtrRadpS_T_f32 | 652 | | | | |
| RelHwPos_HwDeg_T_f32 | -627.179993 | | | | |
| VehSpdValid_Cnt_T_lgc | 0 | | | | |
| VehicleSpeed_Kph_T_f32 | 56 | | | | |
| tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32 | 350.230011 | | | | |
| tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32 | 18.1100006 | | | | |
| tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32 | 3 | | | | |
| tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32 | 97 | | | | |
| tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16 | 32821 | | | | |
| tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16 | 32821 | | | | |
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 0 | | | | |
| tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 | 463842816 | | | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1144.59998 | | | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.00080999998 | | | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1144.59998 | | | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000615000026 | | | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc | 0 | | | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 0 | | | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc | 0 | | | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc | 1 | | | | |
| tgt_DtrmnElapsedTime_mS_u32_ElapsedTime | 3039943680 | | | | |
| tgt_GetSystemTime_mS_u32_CurrentTime | 2167769344 | | | | |
| Name | Actual Value | Expected Value | Result | | |
| Autocenter_f32() | 517.419983 | 517.419983 ± 0.1 | ~ | | |
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 2167769344 | 2167769344 | ✓ | | |
| tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 | 463842816 | 463842816 | ~ | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1144.59998 | -1144.59998 | ~ | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1144.59998 | -1144.59998 | ~ | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc | 0 | 0 | ~ | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 0 | 0 | ~ | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ~ | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ~ | | |

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|----------------------|-------|----------------------|-------|--------|
| Actual Function | Count | Expected Function | Count | Result |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |

| Test Step 2.33 (Repeat Count = 1) | ✓ |
|-------------------------------------------------------------|-----------------------------------------|
| Name | Input Value |
| AutoCntr_Cnt_T_str | tgt_AutoCntr_Cnt_T_str |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | tgt_DtrmnElapsedTime_mS_u32_ElapsedTime |
| FiltPinTrq_HwNm_T_f32 | 6 |
| GetSystemTime_mS_u32(CurrentTime) | tgt_GetSystemTime_mS_u32_CurrentTime |
| MotorVelCRF_MtrRadpS_T_f32 | 45 |
| RelHwPos_HwDeg_T_f32 | -177.479996 |
| VehSpdValid_Cnt_T_lgc | 1 |
| VehicleSpeed_Kph_T_f32 | 112 |
| tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32 | 400 |
| tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32 | 88 |
| tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32 | 1 |
| tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32 | 86 |
| tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16 | 40437 |
| tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16 | 40437 |
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 4294967295 |
| tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 | 1759885568 |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 91.0800018 |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000812000013 |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 91.0800018 |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000655699987 |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc | 0 |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 1 |

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| Name | Input Value | | |
|-------------------------------------------------------------|--------------|-------------------|----------|
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc | 0 | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc | 0 | | |
| tgt_DtrmnElapsedTime_mS_u32_ElapsedTime | 1316564736 | | |
| tgt_GetSystemTime_mS_u32_CurrentTime | 3714197504 | | |
| Name | Actual Value | Expected Value | Result |
| Autocenter_f32() | -268.559998 | -268.559998 ± 0.1 | ~ |
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 3714197504 | 3714197504 | ✓ |
| tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 | 1759885568 | 1759885568 | ✓ |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 91.0800018 | 91.0800018 | ✓ |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 91.0800018 | 91.0800018 | ✓ |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc | 0 | 0 | ✓ |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 1 | 1 | ✓ |
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ✓ |
| tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ~ |

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|----------------------|-------|----------------------|-------|--------|
| Actual Function | Count | Expected Function | Count | Result |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |

| Test Step 2.34 (Repeat Count = 1) | | | ✓ |
|-------------------------------------------------------------|-----------------------------------------|-------------------|----------|
| Name | Input Value | | |
| AutoCntr Cnt T str | tgt AutoCntr Cnt T str | | |
| DtrmnElapsedTime mS u32(ElapsedTime) | tgt DtrmnElapsedTime mS u32 ElapsedTime | | |
| FiltPinTrg HwNm T f32 | 7 | - | |
| GetSystemTime mS u32(CurrentTime) | tgt GetSystemTime mS u32 Cu | urrentTime | |
| MotorVelCRF_MtrRadpS_T_f32 | 65 | | |
| RelHwPos_HwDeg_T_f32 | 731.700012 | | |
| VehSpdValid Cnt T lgc | 0 | | |
| VehicleSpeed Kph T f32 | 7 | | |
| tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32 | 600 | | |
| tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32 | 76.3199997 | | |
| tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32 | 2.20000005 | | |
| tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32 | 42.0200005 | | |
| tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16 | 2291 | | |
| tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16 | 2291 | | |
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 543323 | | |
| tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 | 1662097408 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 2576.71997 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000814000028 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 2576.71997 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000696400006 | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc | 0 | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 0 | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc | 0 | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc | 1 | | |
| tgt_DtrmnElapsedTime_mS_u32_ElapsedTime | 2075080192 | | |
| tgt_GetSystemTime_mS_u32_CurrentTime | 3323480832 | | |
| Name | Actual Value | Expected Value | Result |
| Autocenter_f32() | -1845.02002 | -1845.02002 ± 0.1 | ✓ |
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 3323480832 | 3323480832 | ✓ |
| tgt AutoCntr Cnt T str.Timer2 mS u32 | 1662097408 | 1662097408 | ✓ |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 2576.71997 | 2576.71997 | ✓ |
| tgt AutoCntr Cnt T str.RelHwPosFilt2SV HwDeg str.SV Uls f32 | 2576.71997 | 2576.71997 | ✓ |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_Igc | 0 | 0 | ✓ |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 0 | 0 | ~ |
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ✓ |
| tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ~ |

| T | | | | |
|----------------------|-------|----------------------|-------|------|
| Actual Function | Count | Expected Function | Count | Resu |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | |

| Test Step 2.35 (Repeat Count = 1) | ✓ |
|--------------------------------------|-----------------------------------------|
| Name | Input Value |
| AutoCntr_Cnt_T_str | tgt_AutoCntr_Cnt_T_str |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | tgt_DtrmnElapsedTime_mS_u32_ElapsedTime |

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| • | | |
|--------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 6.65999985 | | |
| tgt_GetSystemTime_mS_u32_CurrentTime | | |
| 159 | | |
| 1123.40002 | | |
| 1 | | |
| 246.119995 | | |
| 2 | | |
| 84.2099991 | | |
| 6 | | |
| 56 | | |
| 21335 | | |
| 12258 | | |
| 3941357312 | | |
| 2942063360 | | |
| 1123.40002 | | |
| 0.000855999999 | | |
| 1123.40002 | | |
| 0.000525999989 | | |
| 0 | | |
| 1 | | |
| 0 | | |
| 0 | | |
| 662694400 | | |
| 824746752 | | |
| Actual Value | Expected Value | Result |
| 0 | 0 ± 0.1 | ~ |
| 824746752 | 824746752 | ✓ |
| 2942063360 | 2942063360 | ~ |
| 1123.40002 | 1123.40002 | ✓ |
| 1123.40002 | 1123.40002 | ~ |
| 0 | 0 | ~ |
| 1 | 1 | ~ |
| 0 | 0 | ~ |
| 0 | 0 | • |
| | 1123.40002 1 246.119995 2 84.2099991 6 56 21335 12258 3941357312 2942063360 1123.40002 0.000855999999 1123.40002 0.000525999989 0 1 0 0 662694400 824746752 Actual Value 0 824746752 2942063360 1123.40002 1123.40002 0 1 0 | 6.65999985 tgt_GetSystemTime_mS_u32_CurrentTime 159 1123.40002 1 246.119995 2 84.2099991 6 56 21335 12258 3941357312 2942063360 1123.40002 0.000855999999 1123.40002 0.000855999999 0 1 0 662694400 824746752 Actual Value 0 0 0 0 ± 0.1 824746752 942063360 1123.40002 1123.40002 1123.40002 1123.40002 1123.40002 1123.40002 1123.40002 1123.40002 1123.40002 1123.40002 1123.40002 1123.40002 1123.40002 0 0 1 1 0 0 |

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|----------------------|-------|----------------------|-------|--------|
| Actual Function | Count | Expected Function | Count | Result |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |

| Test Step 2.36 (Repeat Count = 1) | | | |
|-------------------------------------------------------------|-----------------------------------------|---------------|--|
| Name | Input Value | | |
| AutoCntr_Cnt_T_str | tgt_AutoCntr_Cnt_T_str | | |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | tgt_DtrmnElapsedTime_mS_u32_ElapsedTime | | |
| FiltPinTrq_HwNm_T_f32 | 14 | | |
| GetSystemTime_mS_u32(CurrentTime) | tgt_GetSystemTime_mS_u32_CurrentTime | | |
| MotorVelCRF_MtrRadpS_T_f32 | 1100 | | |
| RelHwPos_HwDeg_T_f32 | -378.170013 | | |
| VehSpdValid_Cnt_T_lgc | 0 | | |
| VehicleSpeed_Kph_T_f32 | 84 | | |
| tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32 | 120.120003 | | |
| tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32 | 64 | | |
| tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32 | 14.0100002 | | |
| tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32 | 54 | | |
| tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16 | 12258 | | |
| tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16 | 26195 | | |
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 3304439296 | | |
| tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 | 1117112832 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -378.170013 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000858000014 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -378.170013 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000528000004 | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc | 1 | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 0 | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc | 1 | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc | 1 | | |
| tgt_DtrmnElapsedTime_mS_u32_ElapsedTime | 2303132928 | | |
| tgt_GetSystemTime_mS_u32_CurrentTime | 309385728 | | |
| Name | Actual Value Expecte | ed Value Resu | |
| Autocenter_f32() | 0 0 ± 0.1 | | |
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 309385728 30938572 | 28 | |

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| Name | Actual Value | Expected Value | Result |
|-------------------------------------------------------------|--------------|----------------|----------|
| tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 | 1117112832 | 1117112832 | ✓ |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -378.170013 | -378.170013 | ✓ |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -378.170013 | -378.170013 | ✓ |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc | 0 | 0 | ✓ |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 0 | 0 | ✓ |
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ✓ |
| tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ✓ |

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|----------------------|-------|----------------------|-------|--------|
| Actual Function | Count | Expected Function | Count | Result |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |

| Test Step 2.37 (Repeat Count = 1) | | | ✓ | |
|-------------------------------------------------------------|--------------------------------------|----------------|----------|--|
| Name | Input Value | | | |
| AutoCntr_Cnt_T_str | tgt_AutoCntr_Cnt_T_str | | | |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | tgt_DtrmnElapsedTime_mS_u32_Elap | osedTime | | |
| FiltPinTrq_HwNm_T_f32 | 7.4000001 | | | |
| GetSystemTime_mS_u32(CurrentTime) | tgt_GetSystemTime_mS_u32_CurrentTime | | | |
| MotorVelCRF_MtrRadpS_T_f32 | 88 | | | |
| RelHwPos_HwDeg_T_f32 | 969.01001 | | | |
| VehSpdValid_Cnt_T_lgc | 1 | | | |
| VehicleSpeed_Kph_T_f32 | 187.199997 | | | |
| tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32 | 566.109985 | | | |
| tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32 | 166 | | | |
| tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32 | 8 | | | |
| tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32 | 97 | | | |
| tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16 | 0 | | | |
| tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16 | 13352 | | | |
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 2127166208 | | | |
| tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 | 2167769344 | | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 969.01001 | | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000837999978 | | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 969.01001 | | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000508000026 | | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc | 0 | | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 0 | | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc | 1 | | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc | 1 | | | |
| tgt_DtrmnElapsedTime_mS_u32_ElapsedTime | 71426560 | | | |
| tgt_GetSystemTime_mS_u32_CurrentTime | 2127166208 | | | |
| Name | Actual Value | Expected Value | Result | |
| Autocenter_f32() | 0 | 0 ± 0.1 | ✓ | |
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 2127166208 | 2127166208 | ~ | |
| tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 | 2127166208 | 2127166208 | ✓ | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 969.01001 | 969.01001 | ✓ | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 969.01001 | 969.01001 | ✓ | |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_Igc | 1 | 1 | ✓ | |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 1 | 1 | ~ | |
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ~ | |
| tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_Igc | 1 | 1 | | |

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|-------------------------|-------|-------------------------|-------|--------|--|
| Actual Function | Count | Expected Function | Count | Result | |
| DtrmnElapsedTime_mS_u32 | 1 | DtrmnElapsedTime_mS_u32 | 1 | ~ | |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | • | |
| DtrmnElapsedTime_mS_u32 | 1 | DtrmnElapsedTime_mS_u32 | 1 | • | |

| Test Step 2.38 (Repeat Count = 1) | | ✓ |
|--------------------------------------|-----------------------------------------|----------|
| Name | Input Value | |
| AutoCntr_Cnt_T_str | tgt_AutoCntr_Cnt_T_str | |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | tgt_DtrmnElapsedTime_mS_u32_ElapsedTime | |
| FiltPinTrq_HwNm_T_f32 | 9.80000019 | |
| GetSystemTime_mS_u32(CurrentTime) | tgt_GetSystemTime_mS_u32_CurrentTime | |
| MotorVelCRF_MtrRadpS_T_f32 | 61.2000008 | |
| RelHwPos_HwDeg_T_f32 | -1397.33997 | |
| VehSpdValid_Cnt_T_lgc | 1 | |

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| Name | Input Value | | |
|-------------------------------------------------------------|----------------|----------------|----------|
| VehicleSpeed_Kph_T_f32 | 187.300003 | | |
| tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32 | 63 | | |
| tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32 | 176 | | |
| tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32 | 10 | | |
| tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32 | 86 | | |
| tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16 | 60000 | | |
| tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16 | 21364 | | |
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 4243378688 | | |
| tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 | 3714197504 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1397.33997 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000839999993 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1397.33997 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000509999983 | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc | 0 | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 1 | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc | 0 | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc | 0 | | |
| tgt_DtrmnElapsedTime_mS_u32_ElapsedTime | 1000 | | |
| tgt_GetSystemTime_mS_u32_CurrentTime | 4243378688 | | |
| Name | Actual Value | Expected Value | Result |
| Autocenter_f32() | 0 | 0 ± 0.1 | ✓ |
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 4243378688 | 4243378688 | ✓ |
| tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 | 3714197504 | 3714197504 | ~ |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1397.33997 | -1397.33997 | ✓ |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1397.33997 | -1397.33997 | ✓ |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc | 0 | 0 | ✓ |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 1 | 1 | ✓ |
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ✓ |
| tgt AutoCntr Cnt T str.Filter2Initialized Cnt Igc | 0 | 0 | ✓ |

| T | | | | ~ |
|-------------------------|-------|-------------------------|-------|--------|
| Actual Function | Count | Expected Function | Count | Result |
| DtrmnElapsedTime_mS_u32 | 1 | DtrmnElapsedTime_mS_u32 | 1 | ~ |

| Test Step 2.39 (Repeat Count = 1) | | | ✓ |
|-------------------------------------------------------------|---------------------------------------|----------------|----------|
| Name | Input Value | | |
| AutoCntr Cnt T str | tgt AutoCntr Cnt T str | | |
| DtrmnElapsedTime mS u32(ElapsedTime) | tqt DtrmnElapsedTime mS u32 ElapsedTi | me | |
| FiltPinTrg HwNm T f32 | 11.3199997 | | |
| GetSystemTime mS u32(CurrentTime) | tgt_GetSystemTime_mS_u32_CurrentTime | | |
| MotorVelCRF MtrRadpS T f32 | -9.80000019 | | |
| RelHwPos HwDeg T f32 | -913.679993 | | |
| VehSpdValid_Cnt_T_lgc | 1 | | |
| VehicleSpeed_Kph_T_f32 | 198.100006 | | |
| tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32 | 10.25 | | |
| tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32 | 186.25 | | |
| tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32 | 12 | | |
| tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32 | 42 | | |
| tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16 | 18774 | | |
| tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16 | 33198 | | |
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 1050692864 | | |
| tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 | 2894938880 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -913.679993 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000842000009 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -913.679993 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000511999999 | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc | 0 | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 0 | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc | 1 | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc | 1 | | |
| tgt_DtrmnElapsedTime_mS_u32_ElapsedTime | 2242866176 | | |
| tgt_GetSystemTime_mS_u32_CurrentTime | 1050692864 | | |
| Name | Actual Value | Expected Value | Result |
| Autocenter_f32() | 0 | 0 ± 0.1 | ~ |
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 1050692864 | 1050692864 | ~ |
| tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 | 1050692864 | 1050692864 | ~ |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -913.679993 | -913.679993 | ~ |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -913.679993 | -913.679993 | ~ |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc | 1 | 1 | ~ |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 1 | 1 | |





| Name | Actual Value | Expected Value | Result |
|---------------------------------------------------|--------------|----------------|----------|
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ✓ |
| tgt AutoCntr Cnt T str.Filter2Initialized Cnt Igc | 1 | 1 | ✓ |

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|-------------------------|-------|-------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| DtrmnElapsedTime_mS_u32 | 1 | DtrmnElapsedTime_mS_u32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| DtrmnElapsedTime_mS_u32 | 1 | DtrmnElapsedTime_mS_u32 | 1 | ~ |

| Name | Input Value | | |
|-------------------------------------------------------------|----------------------------------|----------------|-------|
| AutoCntr Cnt T str | tgt AutoCntr Cnt T str | | |
| DtrmnElapsedTime mS u32(ElapsedTime) | tgt DtrmnElapsedTime mS u32 Elap | sedTime | |
| FiltPinTrq_HwNm_T_f32 | 18 | | |
| GetSystemTime mS u32(CurrentTime) | tgt GetSystemTime mS u32 Current | Time | |
| MotorVelCRF MtrRadpS T f32 | -123.5 | | |
| RelHwPos HwDeg T f32 | -1415.88 | | |
| VehSpdValid_Cnt_T_lgc | 1 | | |
| VehicleSpeed_Kph_T_f32 | 64 | | |
| tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32 | 350 | | |
| tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32 | 52 | | |
| tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32 | 19.7999992 | | |
| tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32 | 85.0299988 | | |
| tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16 | 29076 | | |
| tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16 | 43128 | | |
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 2167769344 | | |
| tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 | 1736795392 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1415.88 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000859999971 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1415.88 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000530000019 | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc | 0 | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 1 | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc | 0 | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc | 0 | | |
| tgt_DtrmnElapsedTime_mS_u32_ElapsedTime | 4129141760 | | |
| tgt_GetSystemTime_mS_u32_CurrentTime | 4164171008 | | |
| Name | Actual Value | Expected Value | Resul |
| Autocenter_f32() | 0 | 0 ± 0.1 | • |
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 2167769344 | 2167769344 | • |
| tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 | 4164171008 | 4164171008 | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1415.88 | -1415.88 | • |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1415.88 | -1415.88 | |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc | 1 | 1 | • |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 1 | 1 | • |
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc | 1 | 1 | • |
| tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc | 1 | 1 | |

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|-------------------------|-------|-------------------------|-------|--------|
| Actual Function | Count | Expected Function | Count | Result |
| DtrmnElapsedTime_mS_u32 | 1 | DtrmnElapsedTime_mS_u32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| DtrmnElapsedTime_mS_u32 | 1 | DtrmnElapsedTime_mS_u32 | 1 | ~ |

| Test Step 2.41 (Repeat Count = 1) | | ✓ |
|--------------------------------------------|-----------------------------------------|---|
| Name | Input Value | |
| AutoCntr_Cnt_T_str | tgt_AutoCntr_Cnt_T_str | |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | tgt_DtrmnElapsedTime_mS_u32_ElapsedTime | |
| FiltPinTrq_HwNm_T_f32 | 18 | |
| GetSystemTime_mS_u32(CurrentTime) | tgt_GetSystemTime_mS_u32_CurrentTime | |
| MotorVelCRF_MtrRadpS_T_f32 | 154 | |
| RelHwPos_HwDeg_T_f32 | -1081.09998 | |
| VehSpdValid_Cnt_T_lgc | 1 | |
| VehicleSpeed_Kph_T_f32 | 52 | |
| tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32 | 400.25 | |
| tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32 | 34 | |

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| Name | Immut Value | | |
|-------------------------------------------------------------|----------------|----------------|--------|
| Name | Input Value | | |
| tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32 | 19.2000008 | | |
| tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32 | 96 | | |
| tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16 | 32821 | | |
| tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16 | 49475 | | |
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 3714197504 | | |
| tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 | 3437401088 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1081.09998 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000861999986 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1081.09998 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000531999976 | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc | 0 | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 0 | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc | 1 | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc | 1 | | |
| tgt_DtrmnElapsedTime_mS_u32_ElapsedTime | 2836768512 | | |
| tgt_GetSystemTime_mS_u32_CurrentTime | 437658624 | | |
| Name | Actual Value | Expected Value | Result |
| Autocenter_f32() | 0 | 0 ± 0.1 | ~ |
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 3714197504 | 3714197504 | ~ |
| tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 | 437658624 | 437658624 | ~ |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1081.09998 | -1081.09998 | ~ |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1081.09998 | -1081.09998 | ~ |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc | 1 | 1 | ~ |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 1 | 1 | - |
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_Igc | 1 | 1 | ~ |
| tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ~ |

| T | | | | |
|-------------------------|-------|-------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| DtrmnElapsedTime_mS_u32 | 1 | DtrmnElapsedTime_mS_u32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ✓ |
| DtrmnElapsedTime mS u32 | 1 | DtrmnElapsedTime mS u32 | 1 | - |

| Test Step 2.42 (Repeat Count = 1) | Inner A Malaca | | |
|-------------------------------------------------------------|---------------------------|----------------|----------|
| Name | Input Value | | |
| AutoCntr_Cnt_T_str | tgt_AutoCntr_Cnt_T_str | | |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | tgt_DtrmnElapsedTime_mS_u | 32_ElapsedTime | |
| FiltPinTrq_HwNm_T_f32 | 10 | | |
| GetSystemTime_mS_u32(CurrentTime) | tgt_GetSystemTime_mS_u32_ | CurrentTime | |
| MotorVelCRF_MtrRadpS_T_f32 | -12.0299997 | | |
| RelHwPos_HwDeg_T_f32 | -1503.19995 | | |
| VehSpdValid_Cnt_T_lgc | 1 | | |
| VehicleSpeed_Kph_T_f32 | 52.25 | | |
| tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32 | 44 | | |
| tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32 | 34 | | |
| tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32 | 10.5 | | |
| tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32 | 86 | | |
| tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16 | 33198 | | |
| tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16 | 38868 | | |
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 463842816 | | |
| tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 | 824746752 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -3200 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.00088800001 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1503.19995 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000558 | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc | 1 | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 0 | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc | 1 | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc | 0 | | |
| tgt_DtrmnElapsedTime_mS_u32_ElapsedTime | 2059598336 | | |
| tgt_GetSystemTime_mS_u32_CurrentTime | 402713344 | | |
| Name | Actual Value | Expected Value | Result |
| Autocenter_f32() | 0 | 0 ± 0.1 | • |
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 463842816 | 463842816 | ✓ |
| tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 | 402713344 | 402713344 | ✓ |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -3198.49316 | -3198.49316 | ✓ |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1503.19995 | -1503.19995 | ✓ |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc | 1 | 1 | ✓ |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 0 | 0 | • |
| tgt AutoCntr Cnt T str.Filter1Initialized Cnt Igc | 1 | 1 | ✓ |



| Autocenter f3 |
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| Name | Actual Value | Expected Value | Result |
|---------------------------------------------------|--------------|----------------|--------|
| tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ~ |

| T | | | | ✓ |
|-------------------------|-------|-------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| DtrmnElapsedTime_mS_u32 | 1 | DtrmnElapsedTime_mS_u32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ✓ |

| Test Step 2.43 (Repeat Count = 1) | | | ✓ | |
|-------------------------------------------------------------|-----------------------------------------|------------------------|----------|--|
| Name | Input Value | | | |
| AutoCntr_Cnt_T_str | tgt_AutoCntr_Cnt_T_str | tgt_AutoCntr_Cnt_T_str | | |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | tgt DtrmnElapsedTime mS u32 ElapsedTime | | | |
| FiltPinTrq_HwNm_T_f32 | 12.9799995 | | | |
| GetSystemTime_mS_u32(CurrentTime) | tgt_GetSystemTime_mS_u32_CurrentTim | e | | |
| MotorVelCRF_MtrRadpS_T_f32 | 15 | | | |
| RelHwPos_HwDeg_T_f32 | 240.300003 | | | |
| VehSpdValid_Cnt_T_lgc | 1 | | | |
| VehicleSpeed_Kph_T_f32 | 34 | | | |
| tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32 | 96.2099991 | | | |
| tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32 | 18 | | | |
| tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32 | 15.0200005 | | | |
| tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32 | 96 | | | |
| tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16 | 21335 | | | |
| tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16 | 53970 | | | |
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 1759885568 | | | |
| tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 | 309385728 | | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 3200 | | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000890000025 | | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 240.300003 | | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000560000015 | | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc | 1 | | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 1 | | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc | 0 | | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc | 1 | | | |
| tgt_DtrmnElapsedTime_mS_u32_ElapsedTime | 800969984 | | | |
| tgt_GetSystemTime_mS_u32_CurrentTime | 4178051584 | | | |
| Name | Actual Value | Expected Value | Result | |
| Autocenter_f32() | 0 | 0 ± 0.1 | ~ | |
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 1759885568 | 1759885568 | • | |
| tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 | 4178051584 | 4178051584 | ~ | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 3197.36597 | 3197.36597 | • | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 240.300003 | 240.300003 | ~ | |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc | 1 | 1 | ~ | |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 0 | 0 | ~ | |
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ~ | |
| tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ~ | |

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|-------------------------|-------|-------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| DtrmnElapsedTime_mS_u32 | 1 | DtrmnElapsedTime_mS_u32 | 1 | ~ |
| GetSystemTime mS u32 | 1 | GetSystemTime mS u32 | 1 | ✓ |

| Name | Input Value | |
|---------------------------------------------|-----------------------------------------|--|
| AutoCntr_Cnt_T_str | tgt_AutoCntr_Cnt_T_str | |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | tgt_DtrmnElapsedTime_mS_u32_ElapsedTime | |
| FiltPinTrq_HwNm_T_f32 | 14 | |
| GetSystemTime_mS_u32(CurrentTime) | tgt_GetSystemTime_mS_u32_CurrentTime | |
| MotorVelCRF_MtrRadpS_T_f32 | -75 | |
| RelHwPos_HwDeg_T_f32 | -692.390015 | |
| VehSpdValid_Cnt_T_lgc | 1 | |
| VehicleSpeed_Kph_T_f32 | 98 | |
| tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32 | 100 | |
| tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32 | 88 | |
| tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32 | 14.8000002 | |
| tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32 | 45 | |
| tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16 | 29076 | |

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| Name | Input Value | | |
|-------------------------------------------------------------|----------------|----------------|----------|
| tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16 | 12258 | | |
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 1662097408 | | |
| tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 | 4164171008 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 0 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000891999982 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -692.390015 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000561999972 | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc | 1 | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 0 | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc | 1 | 1 | |
| tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc | 0 | | |
| tgt_DtrmnElapsedTime_mS_u32_ElapsedTime | 569984000 | | |
| tgt_GetSystemTime_mS_u32_CurrentTime | 4077829376 | | |
| Name | Actual Value | Expected Value | Result |
| Autocenter_f32() | 0 | 0 ± 0.1 | ~ |
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 1662097408 | 1662097408 | ✓ |
| tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 | 4077829376 | 4077829376 | ✓ |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -0.617611885 | -0.617611885 | ✓ |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -692.390015 | -692.390015 | ✓ |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc | 1 | 1 | ✓ |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 0 | 0 | ✓ |
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc | Ī | Ī | ✓ |
| tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ~ |

| Т | | | ✓ | |
|-------------------------|-------|-------------------------|----------|--------|
| Actual Function | Count | Expected Function | Count | Result |
| DtrmnElapsedTime_mS_u32 | 1 | DtrmnElapsedTime_mS_u32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | • |

| Test Step 2.45 (Repeat Count = 1) | | ✓ |
|---------------------------------------------|-----------------------------------------|---|
| Name | Input Value | |
| AutoCntr_Cnt_T_str | tgt_AutoCntr_Cnt_T_str | |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | tgt_DtrmnElapsedTime_mS_u32_ElapsedTime | |
| FiltPinTrq_HwNm_T_f32 | 16 | |
| GetSystemTime_mS_u32(CurrentTime) | tgt_GetSystemTime_mS_u32_CurrentTime | |
| MotorVelCRF_MtrRadpS_T_f32 | -12.0200005 | |
| RelHwPos_HwDeg_T_f32 | -1385.40002 | |
| VehSpdValid_Cnt_T_lgc | 1 | |
| VehicleSpeed_Kph_T_f32 | 88 | |
| tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32 | 124.120003 | |
| tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32 | 76 | |
| tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32 | 16.3999996 | |
| tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32 | 78 | |
| tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16 | 32821 | |
| tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16 | 20423 | |
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | | |



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|-------------------------|-------|-------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| DtrmnElapsedTime_mS_u32 | 1 | DtrmnElapsedTime_mS_u32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ✓ |

| Test Step 2.46 (Repeat Count = 1) | | | | |
|-------------------------------------------------------------|-----------------------------|------------------------|-------|--|
| Name | Input Value | | | |
| AutoCntr_Cnt_T_str | | tgt_AutoCntr_Cnt_T_str | | |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | tgt_DtrmnElapsedTime_mS_u32 | 2_ElapsedTime | | |
| FiltPinTrq_HwNm_T_f32 | 3 | | | |
| GetSystemTime_mS_u32(CurrentTime) | tgt_GetSystemTime_mS_u32_C | currentTime | | |
| MotorVelCRF_MtrRadpS_T_f32 | -8 | | | |
| RelHwPos_HwDeg_T_f32 | -1036.69995 | | | |
| VehSpdValid_Cnt_T_lgc | 1 | | | |
| VehicleSpeed_Kph_T_f32 | 87 | | | |
| tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32 | 78 | | | |
| tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32 | 86 | | | |
| tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32 | 3.70000005 | | | |
| tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32 | 96.2099991 | | | |
| tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16 | 40437 | | | |
| tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16 | 7034 | | | |
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 4243378688 | | | |
| tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 | 2059598336 | | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -157.490005 | | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000896000012 | | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1036.69995 | | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000566000002 | | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc | 1 | | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 0 | | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc | 1 | | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc | 0 | | | |
| tgt_DtrmnElapsedTime_mS_u32_ElapsedTime | 1358028288 | | | |
| tgt_GetSystemTime_mS_u32_CurrentTime | 2212175616 | | | |
| Name | Actual Value | Expected Value | Resul | |
| Autocenter_f32() | 0 | 0 ± 0.1 | • | |
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 4243378688 | 4243378688 | • | |
| tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 | 2212175616 | 2212175616 | • | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -158.277771 | -158.277771 | • | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1036.69995 | -1036.69995 | • | |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc | 1 | 1 | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 0 | 0 | • | |
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc | 1 | 1 | • | |
| tgt AutoCntr Cnt T str.Filter2Initialized Cnt Igc | 0 | 0 | | |

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|-------------------------|-------|-------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| DtrmnElapsedTime_mS_u32 | 1 | DtrmnElapsedTime_mS_u32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |

| Test Step 2.47 (Repeat Count = 1) | 🗸 |
|---------------------------------------------|-----------------------------------------|
| Name | Input Value |
| AutoCntr_Cnt_T_str | tgt_AutoCntr_Cnt_T_str |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | tgt_DtrmnElapsedTime_mS_u32_ElapsedTime |
| FiltPinTrq_HwNm_T_f32 | 5 |
| GetSystemTime_mS_u32(CurrentTime) | tgt_GetSystemTime_mS_u32_CurrentTime |
| MotorVelCRF_MtrRadpS_T_f32 | 15 |
| RelHwPos_HwDeg_T_f32 | 2307.94995 |
| VehSpdValid_Cnt_T_lgc | 1 |
| VehicleSpeed_Kph_T_f32 | 102 |
| tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32 | 88.3099976 |
| tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32 | 96 |
| tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32 | 5.01999998 |
| tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32 | 32 |
| tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16 | 2291 |
| tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16 | 29076 |
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 1050692864 |
| tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 | 800969984 |

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| Name | Input Value | | |
|-------------------------------------------------------------|-----------------|----------------|--------|
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1307.94995 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 2.51327106e-006 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1307.94995 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000566000002 | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc | 1 | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 1 | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc | 0 | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc | 1 | | |
| tgt_DtrmnElapsedTime_mS_u32_ElapsedTime | 1975593216 | | |
| tgt_GetSystemTime_mS_u32_CurrentTime | 2059598336 | | |
| Name | Actual Value | Expected Value | Result |
| Autocenter_f32() | 1000 | 1000 ± 0.1 | ~ |
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 1050692864 | 1050692864 | ~ |
| tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 | 2059598336 | 2059598336 | ~ |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1307.95251 | 1307.95251 | ~ |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1307.94995 | 1307.94995 | ~ |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc | 1 | 1 | ~ |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 0 | 0 | ~ |
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ~ |
| tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ~ |

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|-------------------------|-------|-------------------------|-------|----------|--|
| Actual Function | Count | Expected Function | Count | Result | |
| DtrmnElapsedTime_mS_u32 | 1 | DtrmnElapsedTime_mS_u32 | 1 | ~ | |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ✓ | |

| Name | Input Value | | |
|-------------------------------------------------------------|-----------------------------------------|--------------|-------|
| AutoCntr Cnt T str | tgt AutoCntr Cnt T str | | |
| DtrmnElapsedTime mS u32(ElapsedTime) | tgt DtrmnElapsedTime mS u32 ElapsedTime | | |
| FiltPinTrq HwNm T f32 | 9 | | |
| GetSystemTime mS u32(CurrentTime) | tgt_GetSystemTime_mS_u32_CurrentTime | | |
| MotorVelCRF MtrRadpS T f32 | -44 | | |
| RelHwPos_HwDeg_T_f32 | -893.640015 | | |
| VehSpdValid_Cnt_T_lgc | 1 | | |
| VehicleSpeed_Kph_T_f32 | 124 | | |
| tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32 | 94 | | |
| tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32 | 106 | | |
| tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32 | 9.06000042 | | |
| tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32 | 52 | | |
| tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16 | 38868 | | |
| tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16 | 32821 | | |
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 3039943680 | | |
| tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 | 569984000 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -893.640015 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.00125584786 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -893.640015 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000568000018 | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc | 1 | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 0 | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc | 1 | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc | 0 | | |
| tgt_DtrmnElapsedTime_mS_u32_ElapsedTime | 910116864 | | |
| tgt_GetSystemTime_mS_u32_CurrentTime | 800969984 | | |
| Name | Actual Value Exp | pected Value | Resul |
| Autocenter_f32() | 0 0 ± | 0.1 | • |
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 3039943680 303 | 9943680 | • |
| tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 | 569984000 569 | 984000 | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -893.640015 -893 | 3.640015 | • |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -893.640015 -893 | 3.640015 | • |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc | 1 1 | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 1 1 | | • |
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc | 1 1 | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc | 1 1 | | |

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|-------------------------|-------|-------------------------|-------|--------|
| Actual Function | Count | Expected Function | Count | Result |
| DtrmnElapsedTime_mS_u32 | 2 | DtrmnElapsedTime_mS_u32 | 2 | • |



| Name | Input Value | | |
|-------------------------------------------------------------|-----------------------------------------|----------------|------|
| AutoCntr Cnt T str | tgt AutoCntr Cnt T str | | |
| DtrmnElapsedTime mS u32(ElapsedTime) | tgt DtrmnElapsedTime mS u32 ElapsedTime | | |
| FiltPinTrq_HwNm_T_f32 | 7 | | |
| GetSystemTime mS u32(CurrentTime) | tgt GetSystemTime mS u32 CurrentTii | me | |
| MotorVelCRF MtrRadpS T f32 | -9.01000023 | | |
| RelHwPos_HwDeg_T_f32 | 616.409973 | | |
| VehSpdValid_Cnt_T_lgc | 1 | | |
| VehicleSpeed_Kph_T_f32 | 132 | | |
| tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32 | 44.4700012 | | |
| tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32 | 116 | | |
| tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32 | 7.01999998 | | |
| tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32 | 10 | | |
| tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16 | 53970 | | |
| tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16 | 40437 | | |
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 1316564736 | | |
| tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 | 3351443200 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 616.409973 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000566000002 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 616.409973 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000569999975 | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc | 1 | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 1 | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc | 0 | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc | 1 | | |
| tgt_DtrmnElapsedTime_mS_u32_ElapsedTime | 402713344 | | |
| tgt_GetSystemTime_mS_u32_CurrentTime | 2659241984 | | |
| Name | Actual Value | Expected Value | Resu |
| Autocenter_f32() | 0 | 0 ± 0.1 | • |
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 1316564736 | 1316564736 | • |
| tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 | 3351443200 | 3351443200 | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 616.409973 | 616.409973 | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 616.409973 | 616.409973 | |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc | 1 | 1 | |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 1 | 1 | |
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc | 0 | 0 | |
| tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_Igc | 1 | 1 | |

| Т | | | | ✓ |
|-------------------------|-------|-------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| DtrmnElapsedTime_mS_u32 | 2 | DtrmnElapsedTime_mS_u32 | 2 | ~ |

| Test Step 2.50 (Repeat Count = 1) | |
|-------------------------------------------------------------|-----------------------------------------|
| Name | Input Value |
| AutoCntr_Cnt_T_str | tgt_AutoCntr_Cnt_T_str |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | tgt_DtrmnElapsedTime_mS_u32_ElapsedTime |
| FiltPinTrq_HwNm_T_f32 | 16 |
| GetSystemTime_mS_u32(CurrentTime) | tgt_GetSystemTime_mS_u32_CurrentTime |
| MotorVelCRF_MtrRadpS_T_f32 | 1199 |
| RelHwPos_HwDeg_T_f32 | -6.48000002 |
| VehSpdValid_Cnt_T_lgc | 1 |
| VehicleSpeed_Kph_T_f32 | 246.25 |
| tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32 | 539 |
| tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32 | 123 |
| tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32 | 16 |
| tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32 | 63 |
| tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16 | 20423 |
| tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16 | 33198 |
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 3941357312 |
| tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 | 2127166208 |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 616.409973 |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000872000004 |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -3200 |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000541999994 |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc | 0 |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 0 |
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc | 1 |
| tgt AutoCntr Cnt T str.Filter2Initialized Cnt Igc | 0 |

 $tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc$

Autocenter_f32

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| Name | Input Value | | |
|-------------------------------------------------------------|--------------|------------------|----------|
| tgt_DtrmnElapsedTime_mS_u32_ElapsedTime | 625668608 | | |
| tgt_GetSystemTime_mS_u32_CurrentTime | 2894938880 | | |
| Name | Actual Value | Expected Value | Result |
| Autocenter_f32() | 3193.52002 | 3193.52002 ± 0.1 | ✓ |
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 2894938880 | 2894938880 | ✓ |
| tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 | 2127166208 | 2127166208 | ✓ |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 616.409973 | 616.409973 | ✓ |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -3200 | -3200 | ✓ |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc | 0 | 0 | ✓ |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 0 | 0 | ✓ |
| tot AutoCntr Cnt T str Filter1Initialized Cnt Igc | 1 | 1 | _ |

| Τ | | | | |
|----------------------|-------|----------------------|-------|--------|
| Actual Function | Count | Expected Function | Count | Result |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |

0

| Test Step 2.51 (Repeat Count = 1) | | | ✓ | |
|-------------------------------------------------------------|-----------------------------|-----------------------------------------|----------|--|
| Name | Input Value | | | |
| AutoCntr_Cnt_T_str | tgt_AutoCntr_Cnt_T_str | tgt_AutoCntr_Cnt_T_str | | |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | tgt_DtrmnElapsedTime_mS_u33 | tgt DtrmnElapsedTime mS u32 ElapsedTime | | |
| FiltPinTrq_HwNm_T_f32 | 14 | | | |
| GetSystemTime_mS_u32(CurrentTime) | tgt_GetSystemTime_mS_u32_0 | CurrentTime | | |
| MotorVelCRF_MtrRadpS_T_f32 | -1299.14001 | | | |
| RelHwPos_HwDeg_T_f32 | -444.170013 | | | |
| VehSpdValid_Cnt_T_lgc | 0 | | | |
| VehicleSpeed_Kph_T_f32 | 123 | | | |
| tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32 | 580 | | | |
| tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32 | 124 | | | |
| tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32 | 14 | | | |
| tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32 | 88.25 | | | |
| tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16 | 7034 | | | |
| tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16 | 21335 | | | |
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 1720406272 | | | |
| tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 | 4243378688 | | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -833.309998 | | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000874000019 | | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 3200 | | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.00054400001 | | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc | 1 | | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 1 | | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc | 0 | | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc | 1 | | | |
| tgt_DtrmnElapsedTime_mS_u32_ElapsedTime | 1711664384 | | | |
| tgt_GetSystemTime_mS_u32_CurrentTime | 2059598336 | | | |
| Name | Actual Value | Expected Value | Result | |
| Autocenter_f32() | -3644.16992 | -3644.16992 ± 0.1 | ~ | |
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 2059598336 | 2059598336 | ~ | |
| tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 | 4243378688 | 4243378688 | ~ | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -833.309998 | -833.309998 | ~ | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 3200 | 3200 | ~ | |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc | 0 | 0 | ✓ | |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 1 | 1 | ~ | |
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ~ | |
| tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ~ | |

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|----------------------|-------|----------------------|-------|--------|
| Actual Function | Count | Expected Function | Count | Result |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |

| Test Step 2.52 (Repeat Count = 1) | ✓ |
|--------------------------------------|-----------------------------------------|
| Name | Input Value |
| AutoCntr_Cnt_T_str | tgt_AutoCntr_Cnt_T_str |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | tgt_DtrmnElapsedTime_mS_u32_ElapsedTime |
| FiltPinTrq_HwNm_T_f32 | 12 |
| GetSystemTime_mS_u32(CurrentTime) | tgt_GetSystemTime_mS_u32_CurrentTime |

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| Name | Input Value | | |
|-------------------------------------------------------------|----------------|------------------|----------|
| MotorVelCRF_MtrRadpS_T_f32 | -147 | | |
| RelHwPos_HwDeg_T_f32 | 1146.91003 | | |
| VehSpdValid_Cnt_T_lgc | 1 | | |
| VehicleSpeed_Kph_T_f32 | 124.764999 | | |
| tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32 | 621 | | |
| tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32 | 125 | | |
| tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32 | 12.21 | | |
| tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32 | 75 | | |
| tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16 | 25532 | | |
| tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16 | 53970 | | |
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 2659241984 | | |
| tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 | 1050692864 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1124.05005 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000875999976 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 0 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000546000025 | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc | 0 | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 0 | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc | 1 | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc | 0 | | |
| tgt_DtrmnElapsedTime_mS_u32_ElapsedTime | 1568734208 | | |
| tgt_GetSystemTime_mS_u32_CurrentTime | 800969984 | | |
| Name | Actual Value | Expected Value | Result |
| Autocenter_f32() | 1146.91003 | 1146.91003 ± 0.1 | ✓ |
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 800969984 | 800969984 | ✓ |
| tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 | 1050692864 | 1050692864 | ✓ |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1124.05005 | -1124.05005 | ✓ |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 0 | 0 | ✓ |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc | 0 | 0 | ✓ |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 0 | 0 | ✓ |
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ✓ |
| tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ✓ |

| Τ | | | ✓ | |
|----------------------|-------|----------------------|-------|--------|
| Actual Function | Count | Expected Function | Count | Result |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| | | , | | |

| Name | Input Value | | |
|-------------------------------------------------------------|-----------------------------------------|----------|--|
| AutoCntr Cnt T str | tgt AutoCntr Cnt T str | | |
| DtrmnElapsedTime mS u32(ElapsedTime) | tqt DtrmnElapsedTime mS u32 ElapsedTime | | |
| FiltPinTrg HwNm T f32 | 10 | | |
| GetSystemTime mS u32(CurrentTime) | tgt GetSystemTime mS u32 CurrentTime | | |
| MotorVelCRF MtrRadpS T f32 | 88 | | |
| RelHwPos HwDeg T f32 | -1459.40002 | | |
| VehSpdValid Cnt T Igc | 0 | | |
| VehicleSpeed_Kph_T_f32 | 125 | | |
| tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32 | 662.210022 | | |
| tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32 | 32 | | |
| tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32 | 10 | | |
| tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32 | 97 | | |
| tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16 | 49475 | | |
| tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16 | 12258 | | |
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 2942063360 | | |
| tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 | 3039943680 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -136.300003 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000877999992 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 448.5 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000547999982 | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc | 1 | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 1 | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc | 0 | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc | 1 | | |
| tgt_DtrmnElapsedTime_mS_u32_ElapsedTime | 4195077888 | | |
| tgt_GetSystemTime_mS_u32_CurrentTime | 569984000 | | |
| Name | Actual Value Expected Value | Result | |
| Autocenter_f32() | -1907.90002 -1907.90002 ± 0.1 | ✓ | |
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 569984000 569984000 | ✓ | |
| tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 | 3039943680 3039943680 | ~ | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -136.300003 -136.300003 | ✓ | |

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| Name | Actual Value | Expected Value | Result |
|-------------------------------------------------------------|--------------|----------------|----------|
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 448.5 | 448.5 | ~ |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc | 0 | 0 | ✓ |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 1 | 1 | ✓ |
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ✓ |
| tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ✓ |

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|----------------------|-------|----------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |

| Test Step 2.54 (Repeat Count = 1) Name | Input Value | | | | |
|-------------------------------------------------------------|----------------------------|-----------------------------------------|-------|--|--|
| | | · · | | | |
| AutoCntr_Cnt_T_str | tgt_AutoCntr_Cnt_T_str | | | | |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | | tgt_DtrmnElapsedTime_mS_u32_ElapsedTime | | | |
| FiltPinTrq_HwNm_T_f32 | 2 | · · | | | |
| GetSystemTime_mS_u32(CurrentTime) | tgt_GetSystemTime_mS_u32_0 | CurrentTime | | | |
| MotorVelCRF_MtrRadpS_T_f32 | -75 | | | | |
| RelHwPos_HwDeg_T_f32 | 459.209991 | | | | |
| VehSpdValid_Cnt_T_lgc | 1 | | | | |
| VehicleSpeed_Kph_T_f32 | 32.3300018 | | | | |
| tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32 | 124 | | | | |
| tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32 | 124 | | | | |
| tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32 | 2 | | | | |
| tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32 | 86.3199997 | | | | |
| tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16 | 43128 | | | | |
| tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16 | 29076 | | | | |
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 1117112832 | | | | |
| tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 | 1316564736 | | | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -444.839996 | | | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000880000007 | | | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -157.490005 | | | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000549999997 | | | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc | 0 | | | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 0 | | | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc | 1 | | | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc | 0 | | | | |
| tgt_DtrmnElapsedTime_mS_u32_ElapsedTime | 2339853824 | | | | |
| tgt_GetSystemTime_mS_u32_CurrentTime | 3351443200 | | | | |
| Name | Actual Value | Expected Value | Resul | | |
| Autocenter_f32() | 616.700012 | 616.700012 ± 0.1 | • | | |
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 3351443200 | 3351443200 | • | | |
| tgt AutoCntr Cnt T str.Timer2 mS u32 | 1316564736 | 1316564736 | • | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -444.839996 | -444.839996 | | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -157.490005 | -157.490005 | | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc | 0 | 0 | | | |
| tgt AutoCntr Cnt T str.Filter2Enable Cnt Igc | 0 | 0 | | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc | 1 | 1 | | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc | 0 | 0 | | | |

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|----------------------|-------|----------------------|-------|--------|
| Actual Function | Count | Expected Function | Count | Result |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |

| Test Step 2.55 (Repeat Count = 1) | | ✓ |
|--------------------------------------------|-----------------------------------------|----------|
| Name | Input Value | |
| AutoCntr_Cnt_T_str | tgt_AutoCntr_Cnt_T_str | |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | tgt_DtrmnElapsedTime_mS_u32_ElapsedTime | |
| FiltPinTrq_HwNm_T_f32 | 4 | |
| GetSystemTime_mS_u32(CurrentTime) | tgt_GetSystemTime_mS_u32_CurrentTime | |
| MotorVelCRF_MtrRadpS_T_f32 | -83.1399994 | |
| RelHwPos_HwDeg_T_f32 | 1001.01001 | |
| VehSpdValid_Cnt_T_lgc | 1 | |
| VehicleSpeed_Kph_T_f32 | 124 | |
| tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32 | 138.110001 | |
| tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32 | 84 | |
| tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32 | 4.5 | |

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| Name | Input Value | | |
|-------------------------------------------------------------|-----------------|----------------|----------|
| tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32 | 42 | | |
| tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16 | 53759 | | |
| tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16 | 32821 | | |
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 1736795392 | | |
| tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 | 2075080192 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1001.01001 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000882000022 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1001.01001 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 2.51327106e-006 | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc | 1 | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 1 | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc | 0 | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc | 1 | | |
| tgt_DtrmnElapsedTime_mS_u32_ElapsedTime | 3524313344 | | |
| tgt_GetSystemTime_mS_u32_CurrentTime | 1358028288 | | |
| Name | Actual Value | Expected Value | Result |
| Autocenter_f32() | 0 | 0 ± 0.1 | ~ |
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 1736795392 | 1736795392 | ✓ |
| tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 | 2075080192 | 2075080192 | ✓ |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1001.01001 | 1001.01001 | ✓ |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1001.01001 | 1001.01001 | ✓ |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc | 1 | 1 | ✓ |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 1 | 1 | ✓ |
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ✓ |
| tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ~ |

| T | | | | V |
|-------------------------|-------|-------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| DtrmnElapsedTime_mS_u32 | 2 | DtrmnElapsedTime_mS_u32 | 2 | ✓ |

| Test Step 2.56 (Repeat Count = 1) | | | ✓ |
|-------------------------------------------------------------|-----------------------------------------|----------------|----------|
| Name | Input Value | | |
| AutoCntr Cnt T str | tgt AutoCntr Cnt T str | | |
| DtrmnElapsedTime mS u32(ElapsedTime) | tgt DtrmnElapsedTime mS u32 ElapsedTime | | |
| FiltPinTrq HwNm T f32 | 6 | | |
| GetSystemTime mS u32(CurrentTime) | tgt GetSystemTime mS u32 CurrentTime | | |
| MotorVelCRF_MtrRadpS_T_f32 | 15 | | |
| RelHwPos_HwDeg_T_f32 | -1312.29004 | | |
| VehSpdValid_Cnt_T_lgc | 1 | | |
| VehicleSpeed_Kph_T_f32 | 84 | | |
| tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32 | 86 | | |
| tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32 | 64 | | |
| tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32 | 6.6999981 | | |
| tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32 | 12 | | |
| tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16 | 13352 | | |
| tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16 | 40437 | | |
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 3437401088 | | |
| tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 | 954802432 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1312.29004 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000883999979 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1312.29004 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.00125584786 | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc | 1 | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 1 | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc | 1 | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc | 0 | | |
| tgt_DtrmnElapsedTime_mS_u32_ElapsedTime | 2108719104 | | |
| tgt_GetSystemTime_mS_u32_CurrentTime | 1975593216 | | |
| Name | Actual Value | Expected Value | Result |
| Autocenter_f32() | 0 | 0 ± 0.1 | ~ |
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 3437401088 | 3437401088 | ~ |
| tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 | 954802432 | 954802432 | ~ |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1312.29004 | -1312.29004 | ~ |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1312.29004 | -1312.29004 | ~ |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc | 1 | 1 | ~ |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 1 | 1 | • |
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ~ |
| tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ~ |



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|-------------------------|-------|-------------------------|-------|--------|
| Actual Function | Count | Expected Function | Count | Result |
| DtrmnElapsedTime_mS_u32 | 2 | DtrmnElapsedTime_mS_u32 | 2 | ~ |

| Test Step 2.57 (Repeat Count = 1) Name | Input Value | | | | |
|-------------------------------------------------------------|-----------------------------|------------------------|------|--|--|
| | · · | · | | | |
| AutoCntr_Cnt_T_str | | tgt_AutoCntr_Cnt_T_str | | | |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | tgt_DtrmnElapsedTime_mS_u32 | _ElapsedTime | | | |
| FiltPinTrq_HwNm_T_f32 | 8 | | | | |
| GetSystemTime_mS_u32(CurrentTime) | tgt_GetSystemTime_mS_u32_C | urrentTime | | | |
| MotorVelCRF_MtrRadpS_T_f32 | 110 | | | | |
| RelHwPos_HwDeg_T_f32 | 1089.29004 | | | | |
| VehSpdValid_Cnt_T_lgc | 1 | | | | |
| VehicleSpeed_Kph_T_f32 | 64 | | | | |
| tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32 | 539.320007 | | | | |
| tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32 | 52 | | | | |
| tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32 | 8.89999962 | | | | |
| tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32 | 53.2099991 | | | | |
| tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16 | 21364 | | | | |
| tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16 | 2291 | | | | |
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 3494315776 | | | | |
| tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 | 2728878080 | | | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1089.29004 | 1089.29004 | | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000885999994 | | | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1089.29004 | | | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000566000002 | | | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc | 1 | | | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 1 | | | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc | 0 | | | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc | 1 | | | | |
| tgt_DtrmnElapsedTime_mS_u32_ElapsedTime | 2894938880 | | | | |
| tgt_GetSystemTime_mS_u32_CurrentTime | 910116864 | | | | |
| Name | Actual Value | Expected Value | Resu | | |
| Autocenter f32() | 0 | 0 ± 0.1 | | | |
| tgt AutoCntr Cnt T str.Timer1 mS u32 | 3494315776 | 3494315776 | | | |
| tgt AutoCntr Cnt T str.Timer2 mS u32 | 2728878080 | 2728878080 | | | |
| tgt AutoCntr Cnt T str.RelHwPosFilt1SV HwDeg str.SV Uls f32 | 1089.29004 | 1089.29004 | | | |
| tgt AutoCntr Cnt T str.RelHwPosFilt2SV HwDeg str.SV Uls f32 | 1089.29004 | 1089.29004 | | | |
| tgt AutoCntr Cnt T str.Filter1Enable Cnt lgc | 1 | 1 | | | |
| tgt AutoCntr Cnt T str.Filter2Enable Cnt lgc | 1 | 1 | | | |
| tgt AutoCntr Cnt T str.Filter1Initialized Cnt Igc | 0 | 0 | | | |
| tgt AutoCntr Cnt T str.Filter2Initialized Cnt Igc | 1 | 1 | | | |

| T | | | | ✓ |
|-------------------------|-------|-------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| DtrmnElapsedTime mS u32 | 2 | DtrmnElapsedTime mS u32 | 2 | ~ |

| Test Step 2.58 (Repeat Count = 1) | ✓ |
|-------------------------------------------------------------|-----------------------------------------|
| Name | Input Value |
| AutoCntr_Cnt_T_str | tgt_AutoCntr_Cnt_T_str |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | tgt_DtrmnElapsedTime_mS_u32_ElapsedTime |
| FiltPinTrq_HwNm_T_f32 | 16 |
| GetSystemTime_mS_u32(CurrentTime) | tgt_GetSystemTime_mS_u32_CurrentTime |
| MotorVelCRF_MtrRadpS_T_f32 | -547 |
| RelHwPos_HwDeg_T_f32 | 448.100006 |
| VehSpdValid_Cnt_T_lgc | 1 |
| VehicleSpeed_Kph_T_f32 | 34.2299995 |
| tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32 | 600 |
| tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32 | 21.2999992 |
| tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32 | 16.2099991 |
| tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32 | 86 |
| tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16 | 40437 |
| tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16 | 43128 |
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 2894938880 |
| tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 | 3494315776 |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 448.100006 |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000864000001 |

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| Name | Input Value | | |
|-------------------------------------------------------------|----------------|----------------|--------|
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 448.100006 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000533999992 | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc | 0 | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 0 | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc | 1 | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc | 0 | | |
| tgt_DtrmnElapsedTime_mS_u32_ElapsedTime | 2478427648 | | |
| tgt_GetSystemTime_mS_u32_CurrentTime | 3941357312 | | |
| Name | Actual Value | Expected Value | Result |
| Autocenter_f32() | 0 | 0 ± 0.1 | ✓ |
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 2894938880 | 2894938880 | ✓ |
| tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 | 3941357312 | 3941357312 | ✓ |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 448.100006 | 448.100006 | ✓ |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 448.100006 | 448.100006 | ✓ |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc | 1 | 1 | ✓ |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 1 | 1 | ✓ |
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ✓ |
| tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ✓ |

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|-------------------------|-------|-------------------------|-------|--------|
| Actual Function | Count | Expected Function | Count | Result |
| DtrmnElapsedTime_mS_u32 | 1 | DtrmnElapsedTime_mS_u32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | • |
| DtrmnElapsedTime_mS_u32 | 1 | DtrmnElapsedTime_mS_u32 | 1 | ~ |

| Test Step 2.59 (Repeat Count = 1) | | | ~ |
|-------------------------------------------------------------|-------------------------------------|----------------|----------|
| Name | Input Value | | |
| AutoCntr_Cnt_T_str | tgt AutoCntr Cnt T str | | |
| DtrmnElapsedTime mS u32(ElapsedTime) | tgt DtrmnElapsedTime mS u32 Elapsed | dTime | |
| FiltPinTrg HwNm T f32 | 18 | | |
| GetSystemTime mS u32(CurrentTime) | tgt GetSystemTime mS u32 CurrentTin | ne | |
| MotorVelCRF MtrRadpS T f32 | -142 | | |
| RelHwPos HwDeg T f32 | -736.599976 | | |
| VehSpdValid Cnt T Igc | 1 | | |
| VehicleSpeed Kph T f32 | 216 | | |
| tgt AutoCntr Cnt T str.MtrVel MtrRadpS f32 | 200.240005 | | |
| tgt AutoCntr Cnt T str.VehSpd kph f32 | 210 | | |
| tgt AutoCntr Cnt T str.FiltPinTrq HwNm f32 | 19.2000008 | | |
| tgt AutoCntr Cnt T str.CntrWindow HwDeg f32 | 32.0200005 | | |
| tgt AutoCntr Cnt T str.Timer1Thresh mS u16 | 2291 | | |
| tgt AutoCntr Cnt T str.Timer2Thresh mS u16 | 53759 | | |
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 2059598336 | | |
| tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 | 463842816 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -736.599976 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000866000017 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -736.599976 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000536000007 | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc | 1 | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 1 | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc | 0 | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc | 1 | | |
| tgt_DtrmnElapsedTime_mS_u32_ElapsedTime | 4180236544 | | |
| tgt_GetSystemTime_mS_u32_CurrentTime | 3304439296 | | |
| Name | Actual Value | Expected Value | Result |
| Autocenter_f32() | 0 | 0 ± 0.1 | ~ |
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 2059598336 | 2059598336 | ~ |
| tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 | 463842816 | 463842816 | ~ |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -736.599976 | -736.599976 | • |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -736.599976 | -736.599976 | ~ |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc | 1 | 1 | • |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 1 | 1 | ~ |
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ✓ |
| tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ✓ |

| T | | | | | |
|-------------------------|-------|-------------------------|-------|--------|--|
| Actual Function | Count | Expected Function | Count | Result | |
| DtrmnElapsedTime_mS_u32 | 2 | DtrmnElapsedTime_mS_u32 | 2 | ~ | |



| Name | Input Value | | | |
|-------------------------------------------------------------|--------------------------------------|----------------|----------|--|
| AutoCntr Cnt T str | tgt AutoCntr Cnt T str | | | |
| DtrmnElapsedTime mS u32(ElapsedTime) | tgt DtrmnElapsedTime mS u32 | ElapsedTime | | |
| FiltPinTrg HwNm T f32 | 8 | - | | |
| GetSystemTime mS u32(CurrentTime) | tgt GetSystemTime mS u32 CurrentTime | | | |
| MotorVelCRF MtrRadpS T f32 | -83 | | | |
| RelHwPos_HwDeg_T_f32 | 1210.59998 | | | |
| VehSpdValid_Cnt_T_lgc | 1 | | | |
| VehicleSpeed_Kph_T_f32 | 226 | | | |
| tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32 | 457 | | | |
| tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32 | 212 | | | |
| tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32 | 8.19999981 | | | |
| tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32 | 52 | | | |
| tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16 | 38868 | | | |
| tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16 | 13352 | | | |
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 800969984 | | | |
| tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 | 1759885568 | | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1210.59998 | | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000867999974 | | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1210.59998 | | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000538000022 | | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc | 0 | | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 0 | | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc | 1 | | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc | 0 | | | |
| tgt_DtrmnElapsedTime_mS_u32_ElapsedTime | 3368466432 | | | |
| tgt_GetSystemTime_mS_u32_CurrentTime | 2167769344 | | | |
| Name | Actual Value | Expected Value | Result | |
| Autocenter_f32() | 0 | 0 ± 0.1 | - | |
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 800969984 | 800969984 | • | |
| tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 | 2167769344 | 2167769344 | • | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1210.59998 | 1210.59998 | ~ | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1210.59998 | 1210.59998 | • | |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc | 1 | 1 | • | |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 1 | 1 | - | |
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ✓ | |
| tgt AutoCntr Cnt T str.Filter2Initialized Cnt lgc | 1 | 1 | • | |

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|-------------------------|-------|-------------------------|-------|--------|--|
| Actual Function | Count | Expected Function | Count | Result | |
| DtrmnElapsedTime_mS_u32 | 1 | DtrmnElapsedTime_mS_u32 | 1 | ~ | |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | • | |
| DtrmnElapsedTime_mS_u32 | 1 | DtrmnElapsedTime_mS_u32 | 1 | ~ | |

| Test Step 2.61 (Repeat Count = 1) | |
|-------------------------------------------------------------|-----------------------------------------|
| Name | Input Value |
| AutoCntr_Cnt_T_str | tgt_AutoCntr_Cnt_T_str |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | tgt_DtrmnElapsedTime_mS_u32_ElapsedTime |
| FiltPinTrq_HwNm_T_f32 | 4 |
| GetSystemTime_mS_u32(CurrentTime) | tgt_GetSystemTime_mS_u32_CurrentTime |
| MotorVelCRF_MtrRadpS_T_f32 | -456 |
| RelHwPos_HwDeg_T_f32 | -10.3400002 |
| VehSpdValid_Cnt_T_lgc | 1 |
| VehicleSpeed_Kph_T_f32 | 236 |
| tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32 | 498.359985 |
| tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32 | 35 |
| tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32 | 4.5 |
| tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32 | 41 |
| tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16 | 53970 |
| tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16 | 21364 |
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 569984000 |
| tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 | 1662097408 |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -10.3400002 |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000869999989 |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -10.3400002 |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000539999979 |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc | 1 |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 0 |

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| Name | Input Value | | |
|-------------------------------------------------------------|--------------|----------------|----------|
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc | 0 | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc | 1 | | |
| tgt_DtrmnElapsedTime_mS_u32_ElapsedTime | 170564352 | | |
| tgt_GetSystemTime_mS_u32_CurrentTime | 3714197504 | | |
| Name | Actual Value | Expected Value | Result |
| Autocenter_f32() | 0 | 0 ± 0.1 | ~ |
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 569984000 | 569984000 | ✓ |
| tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 | 1662097408 | 1662097408 | ✓ |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -10.3400002 | -10.3400002 | ✓ |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -10.3400002 | -10.3400002 | ✓ |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc | 1 | 1 | ✓ |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 1 | 1 | ~ |
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ✓ |
| tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ~ |

| Τ | | | | |
|-------------------------|-------|-------------------------|-------|--------|
| Actual Function | Count | Expected Function | Count | Result |
| DtrmnElapsedTime_mS_u32 | 2 | DtrmnElapsedTime_mS_u32 | 2 | - |

| Test Step 2.62 (Repeat Count = 1) Name | Input Value | | |
|-------------------------------------------------------------|---------------------------------------|-----------------|-------|
| | · · · · · · · · · · · · · · · · · · · | | |
| AutoCntr_Cnt_T_str | tgt_AutoCntr_Cnt_T_str | 0 EL 1T | |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | tgt_DtrmnElapsedTime_mS_u3 | 52_Elapsed lime | |
| FiltPinTrq_HwNm_T_f32 | 14 | o 1 | |
| GetSystemTime_mS_u32(CurrentTime) | tgt_GetSystemTime_mS_u32_ | CurrentTime | |
| MotorVelCRF_MtrRadpS_T_f32 | 18 | | |
| RelHwPos_HwDeg_T_f32 | 476.670013 | | |
| VehSpdValid_Cnt_T_lgc | 1 | | |
| VehicleSpeed_Kph_T_f32 | 186 | | |
| tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32 | 56 | | |
| tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32 | 174 | | |
| tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32 | 14.2299995 | | |
| tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32 | 0 | | |
| tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16 | 49475 | | |
| tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16 | 13352 | | |
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 3039943680 | | |
| tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 | 2059598336 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 476.670013 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000844000024 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 476.670013 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000514000014 | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc | 1 | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 1 | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc | 0 | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc | 0 | | |
| tgt_DtrmnElapsedTime_mS_u32_ElapsedTime | 2269150976 | | |
| tgt_GetSystemTime_mS_u32_CurrentTime | 3039943680 | | |
| Name | Actual Value | Expected Value | Resul |
| Autocenter_f32() | 0 | 0 ± 0.1 | |
| tgt AutoCntr Cnt T str.Timer1 mS u32 | 3039943680 | 3039943680 | |
| tgt AutoCntr Cnt T str.Timer2 mS u32 | 2059598336 | 2059598336 | |
| tgt AutoCntr Cnt T str.RelHwPosFilt1SV HwDeg str.SV Uls f32 | 476.670013 | 476.670013 | |
| tgt AutoCntr Cnt T str.RelHwPosFilt2SV HwDeg str.SV Uls f32 | 476.670013 | 476.670013 | |
| tgt AutoCntr Cnt T str.Filter1Enable Cnt Igc | 1 | 1 | |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_Igc | 1 | 1 | |
| tgt AutoCntr Cnt T str.Filter1Initialized Cnt Igc | 0 | 0 | |
| tgt AutoCntr Cnt T str.Filter2Initialized Cnt Igc | 0 | 0 | |

| T . | | | | |
|-------------------------|-------|-------------------------|-------|--------|
| Actual Function | Count | Expected Function | Count | Result |
| DtrmnElapsedTime_mS_u32 | 2 | DtrmnElapsedTime_mS_u32 | 2 | ~ |

| Test Step 2.63 (Repeat Count = 1) | | V |
|--------------------------------------|-----------------------------------------|---|
| Name | Input Value | |
| AutoCntr_Cnt_T_str | tgt_AutoCntr_Cnt_T_str | |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | tgt_DtrmnElapsedTime_mS_u32_ElapsedTime | |

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| Name | Input Value | | |
|-------------------------------------------------------------|--------------------------------------|----------------|--------|
| FiltPinTrg HwNm T f32 | 16.9799995 | | |
| GetSystemTime mS u32(CurrentTime) | tgt GetSystemTime mS u32 CurrentTime | | |
| MotorVelCRF MtrRadpS T f32 | -48 | | |
| RelHwPos HwDeg T f32 | 385.579987 | | |
| VehSpdValid Cnt T lgc | 1 | | |
| VehicleSpeed Kph T f32 | 196 | | |
| tgt AutoCntr Cnt T str.MtrVel MtrRadpS f32 | 86 | | |
| tgt AutoCntr Cnt T str.VehSpd kph f32 | 187 | | |
| tgt AutoCntr Cnt T str.FiltPinTrg HwNm f32 | 18.7000008 | | |
| tgt AutoCntr Cnt T str.CntrWindow HwDeg f32 | 100 | | |
| tgt AutoCntr Cnt T str.Timer1Thresh mS u16 | 43128 | | |
| tgt AutoCntr Cnt T str.Timer2Thresh mS u16 | 21364 | | |
| tgt AutoCntr Cnt T str.Timer1 mS u32 | 1316564736 | | |
| tgt AutoCntr Cnt T str.Timer2 mS u32 | 800969984 | | |
| tat AutoCntr Cnt T str.RelHwPosFilt1SV HwDeg str.SV Uls f32 | 385.579987 | | |
| tgt AutoCntr Cnt T str.RelHwPosFilt1SV HwDeg str.K Uls f32 | 0.000845999981 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 385.579987 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000515999971 | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc | 1 | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 0 | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc | 1 | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc | 1 | | |
| tgt_DtrmnElapsedTime_mS_u32_ElapsedTime | 3533260288 | | |
| tgt_GetSystemTime_mS_u32_CurrentTime | 1316564736 | | |
| Name | Actual Value | Expected Value | Result |
| Autocenter_f32() | 0 | 0 ± 0.1 | ~ |
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 1316564736 | 1316564736 | ~ |
| tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 | 800969984 | 800969984 | ~ |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 385.579987 | 385.579987 | ~ |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 385.579987 | 385.579987 | ~ |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc | 1 | 1 | ~ |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 1 | 1 | ~ |
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ~ |
| tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ~ |

| T . | | | | | |
|-------------------------|-------|-------------------------|-------|--------|--|
| Actual Function | Count | Expected Function | Count | Result | |
| DtrmnElapsedTime_mS_u32 | 2 | DtrmnElapsedTime_mS_u32 | 2 | ~ | |

| Test Step 2.64 (Repeat Count = 1) | | ✓ |
|-------------------------------------------------------------|-----------------------------------------|----------|
| Name | Input Value | |
| AutoCntr_Cnt_T_str | tgt_AutoCntr_Cnt_T_str | |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | tgt_DtrmnElapsedTime_mS_u32_ElapsedTime | |
| FiltPinTrq_HwNm_T_f32 | 18 | |
| GetSystemTime_mS_u32(CurrentTime) | tgt_GetSystemTime_mS_u32_CurrentTime | |
| MotorVelCRF_MtrRadpS_T_f32 | -42.0999985 | |
| RelHwPos_HwDeg_T_f32 | -1377.90002 | |
| VehSpdValid_Cnt_T_lgc | 1 | |
| VehicleSpeed_Kph_T_f32 | 206 | |
| tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32 | 75.1100006 | |
| tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32 | 198.300003 | |
| tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32 | 19.1000004 | |
| tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32 | 65.4499969 | |
| tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16 | 53759 | |
| tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16 | 33198 | |
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 2075080192 | |
| tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 | 569984000 | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -2377.8999 | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000847999996 | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1377.90002 | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000517999986 | |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc | 1 | |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 1 | |
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc | 0 | |
| tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc | 0 | |
| tgt_DtrmnElapsedTime_mS_u32_ElapsedTime | 812314880 | |
| tgt_GetSystemTime_mS_u32_CurrentTime | 2075080192 | |
| Name | Actual Value Expected Value | Result |
| Autocenter_f32() | 0 0 ± 0.1 | ✓ |
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 2075080192 2075080192 | ✓ |

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| Name | Actual Value | Expected Value | Result |
|-------------------------------------------------------------|--------------|----------------|----------|
| tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 | 2075080192 | 2075080192 | ✓ |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -2377.052 | -2377.052 | ✓ |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1377.90002 | -1377.90002 | ✓ |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc | 1 | 1 | ✓ |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 0 | 0 | ✓ |
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ✓ |
| tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ~ |

| Т | | | | |
|-------------------------|-------|-------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| DtrmnElapsedTime_mS_u32 | 1 | DtrmnElapsedTime_mS_u32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ✓ |

| Test Step 2.65 (Repeat Count = 1) | | | ✓ |
|-------------------------------------------------------------|------------------------------|----------------|----------|
| Name | Input Value | | |
| AutoCntr_Cnt_T_str | tgt_AutoCntr_Cnt_T_str | | |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | tgt_DtrmnElapsedTime_mS_u32_ | ElapsedTime | |
| FiltPinTrq_HwNm_T_f32 | 1 | | |
| GetSystemTime_mS_u32(CurrentTime) | tgt_GetSystemTime_mS_u32_Cui | rrentTime | |
| MotorVelCRF_MtrRadpS_T_f32 | 75 | | |
| RelHwPos_HwDeg_T_f32 | -1380.59998 | | |
| VehSpdValid_Cnt_T_lgc | 1 | | |
| VehicleSpeed_Kph_T_f32 | 216.320007 | | |
| tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32 | 98 | | |
| tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32 | 200 | | |
| tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32 | 1.5 | | |
| tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32 | 87.3000031 | | |
| tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16 | 13352 | | |
| tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16 | 0 | | |
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 954802432 | | |
| tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 | 3941357312 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1380.59998 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000850000011 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1380.59998 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000520000001 | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc | 0 | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 0 | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc | 1 | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc | 1 | | |
| tgt_DtrmnElapsedTime_mS_u32_ElapsedTime | 3345084416 | | |
| tgt_GetSystemTime_mS_u32_CurrentTime | 954802432 | | |
| Name | Actual Value | Expected Value | Result |
| Autocenter_f32() | 0 | 0 ± 0.1 | ~ |
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 954802432 | 954802432 | ~ |
| tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 | 954802432 | 954802432 | ~ |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1380.59998 | -1380.59998 | ~ |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -1380.59998 | -1380.59998 | ~ |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_Igc | 1 | 1 | ✓ |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 1 | 1 | ✓ |
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ✓ |
| tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ✓ |

| T | | | | | |
|-------------------------|-------|-------------------------|-------|----------|--|
| Actual Function | Count | Expected Function | Count | Result | |
| DtrmnElapsedTime_mS_u32 | 1 | DtrmnElapsedTime_mS_u32 | 1 | ~ | |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ✓ | |
| DtrmnElapsedTime_mS_u32 | 1 | DtrmnElapsedTime_mS_u32 | 1 | • | |

| Test Step 2.66 (Repeat Count = 1) | | |
|--------------------------------------|-----------------------------------------|--|
| Name | Input Value | |
| AutoCntr_Cnt_T_str | tgt_AutoCntr_Cnt_T_str | |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | tgt_DtrmnElapsedTime_mS_u32_ElapsedTime | |
| FiltPinTrq_HwNm_T_f32 | 2 | |
| GetSystemTime_mS_u32(CurrentTime) | tgt_GetSystemTime_mS_u32_CurrentTime | |
| MotorVelCRF_MtrRadpS_T_f32 | -15 | |
| RelHwPos_HwDeg_T_f32 | 703.02002 | |

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| Name | Input Value | | |
|-------------------------------------------------------------|----------------|----------------|----------|
| VehSpdValid_Cnt_T_lgc | 1 | | |
| VehicleSpeed_Kph_T_f32 | 226 | | |
| tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32 | 66 | | |
| tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32 | 187 | | |
| tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32 | 2.20000005 | | |
| tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32 | 25.0200005 | | |
| tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16 | 21364 | | |
| tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16 | 60000 | | |
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 2728878080 | | |
| tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 | 1720406272 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 703.02002 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000852000026 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 703.02002 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000522000017 | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc | 1 | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 0 | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc | 0 | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc | 0 | | |
| tgt_DtrmnElapsedTime_mS_u32_ElapsedTime | 2704864000 | | |
| tgt_GetSystemTime_mS_u32_CurrentTime | 2728878080 | | |
| Name | Actual Value | Expected Value | Result |
| Autocenter_f32() | 0 | 0 ± 0.1 | ✓ |
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 2728878080 | 2728878080 | ✓ |
| tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 | 1720406272 | 1720406272 | ✓ |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 703.02002 | 703.02002 | ✓ |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 703.02002 | 703.02002 | ✓ |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc | 1 | 1 | ✓ |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 1 | 1 | ✓ |
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ✓ |
| tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ✓ |

| T | | | | ✓ |
|-------------------------|-------|-------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| DtrmnElapsedTime_mS_u32 | 2 | DtrmnElapsedTime_mS_u32 | 2 | ~ |

| Test Step 2.67 (Repeat Count = 1) | Input Value | | |
|-------------------------------------------------------------|----------------------------------|-------------------------------------------|--------|
| AutoCntr Cnt T str | tgt AutoCntr Cnt T str | | |
| DtrmnElapsedTime mS u32(ElapsedTime) | tgt DtrmnElapsedTime mS u32 Elap | sedTime | |
| FiltPinTrg HwNm T f32 | 4 | oca i i i i i i i i i i i i i i i i i i i | |
| GetSystemTime mS u32(CurrentTime) | tgt GetSystemTime mS u32 Current | Time | |
| MotorVelCRF_MtrRadpS_T_f32 | 26.5 | Time | |
| RelHwPos_HwDeg_T_f32 | 829.530029 | | |
| VehSpdValid Cnt T Igc | 1 | | |
| VehicleSpeed Kph T f32 | 236 | | |
| tgt AutoCntr Cnt T str.MtrVel MtrRadpS f32 | 34.25 | | |
| tgt AutoCntr Cnt T str.VehSpd kph f32 | 224 | | |
| tgt AutoCntr Cnt T str.FiltPinTrg HwNm f32 | 4.80000019 | | |
| tgt AutoCntr Cnt T str.CntrWindow HwDeg f32 | 86 | | |
| tgt AutoCntr Cnt T str.Timer1Thresh mS u16 | 33198 | | |
| tgt AutoCntr Cnt T str.Timer2Thresh mS u16 | 18774 | | |
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 4164171008 | | |
| tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 | 2659241984 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 829.530029 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000853999984 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 829.530029 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000523999974 | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc | 0 | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 0 | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc | 1 | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc | 1 | | |
| tgt_DtrmnElapsedTime_mS_u32_ElapsedTime | 4129141760 | | |
| tgt_GetSystemTime_mS_u32_CurrentTime | 4164171008 | | |
| Name | Actual Value | Expected Value | Result |
| Autocenter_f32() | 0 | 0 ± 0.1 | • |
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 4164171008 | 4164171008 | • |
| tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 | 4164171008 | 4164171008 | - |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 829.530029 | 829.530029 | • |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 829.530029 | 829.530029 | • |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_Igc | 1 | 1 | • |

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| Name | Actual Value | Expected Value | Result |
|---------------------------------------------------|--------------|----------------|----------|
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 1 | 1 | ✓ |
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ~ |
| tgt AutoCntr Cnt T str.Filter2Initialized Cnt lgc | 1 | 1 | ✓ |

| Τ | | | | |
|-------------------------|-------|-------------------------|-------|--------|
| Actual Function | Count | Expected Function | Count | Result |
| DtrmnElapsedTime_mS_u32 | 1 | DtrmnElapsedTime_mS_u32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | • |
| DtrmnElapsedTime_mS_u32 | 1 | DtrmnElapsedTime_mS_u32 | 1 | • |

| Test Step 2.68 (Repeat Count = 1) | | | • | | |
|-------------------------------------------------------------|-----------------------------|-----------------------------------------|-------|--|--|
| Name | Input Value | | | | |
| AutoCntr_Cnt_T_str | tgt_AutoCntr_Cnt_T_str | tgt_AutoCntr_Cnt_T_str | | | |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | tgt_DtrmnElapsedTime_mS_u32 | tgt_DtrmnElapsedTime_mS_u32_ElapsedTime | | | |
| FiltPinTrq_HwNm_T_f32 | 7 | | | | |
| GetSystemTime_mS_u32(CurrentTime) | tgt_GetSystemTime_mS_u32_Cu | urrentTime | | | |
| MotorVelCRF_MtrRadpS_T_f32 | 65 | | | | |
| RelHwPos_HwDeg_T_f32 | 731.700012 | | | | |
| VehSpdValid_Cnt_T_lgc | 0 | | | | |
| VehicleSpeed_Kph_T_f32 | 7 | | | | |
| tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32 | 600 | | | | |
| tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32 | 76.3199997 | | | | |
| tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32 | 2.20000005 | | | | |
| tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32 | 42.0200005 | | | | |
| tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16 | 2291 | | | | |
| tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16 | 2291 | | | | |
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 543323 | | | | |
| tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 | 0 | 0 | | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 2576.71997 | | | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000814000028 | | | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 2576.71997 | | | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000696400006 | | | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc | 0 | | | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 0 | | | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc | 0 | | | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc | 1 | | | | |
| tgt_DtrmnElapsedTime_mS_u32_ElapsedTime | 3524313344 | | | | |
| tgt_GetSystemTime_mS_u32_CurrentTime | 1358028288 | | | | |
| Name | Actual Value | Expected Value | Resul | | |
| Autocenter_f32() | -1845.02002 | -1845.02002 ± 0.1 | • | | |
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 1358028288 | 1358028288 | • | | |
| tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 | 0 | 0 | • | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 2576.71997 | 2576.71997 | • | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 2576.71997 | 2576.71997 | • | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc | 0 | 0 | • | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 0 | 0 | • | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc | 0 | 0 | • | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc | 1 | 1 | • | | |

| T V | | | | | | |
|----------------------|-------|----------------------|-------|--------|--|--|
| Actual Function | Count | Expected Function | Count | Result | | |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ | | |

| Test Step 2.69 (Repeat Count = 1) | | |
|--------------------------------------------|-----------------------------------------|--|
| Name | Input Value | |
| AutoCntr_Cnt_T_str | tgt_AutoCntr_Cnt_T_str | |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | tgt_DtrmnElapsedTime_mS_u32_ElapsedTime | |
| FiltPinTrq_HwNm_T_f32 | 6.65999985 | |
| GetSystemTime_mS_u32(CurrentTime) | tgt_GetSystemTime_mS_u32_CurrentTime | |
| MotorVelCRF_MtrRadpS_T_f32 | 159 | |
| RelHwPos_HwDeg_T_f32 | 1123.40002 | |
| VehSpdValid_Cnt_T_lgc | 1 | |
| VehicleSpeed_Kph_T_f32 | 246.119995 | |
| tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32 | 2 | |
| tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32 | 84.2099991 | |
| tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32 | 6 | |

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| Name | Input Value | | |
|-------------------------------------------------------------|----------------|----------------|----------|
| tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32 | 56 | | |
| tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16 | 21335 | | |
| tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16 | 12258 | | |
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 3941357312 | | |
| tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 | 4294967295 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1123.40002 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000855999999 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1123.40002 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000525999989 | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc | 0 | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 1 | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc | 0 | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc | 0 | | |
| tgt_DtrmnElapsedTime_mS_u32_ElapsedTime | 2108719104 | | |
| tgt_GetSystemTime_mS_u32_CurrentTime | 1975593216 | | |
| Name | Actual Value | Expected Value | Result |
| Autocenter_f32() | 0 | 0 ± 0.1 | ~ |
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 1975593216 | 1975593216 | ✓ |
| tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 | 4294967295 | 4294967295 | ✓ |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 1123.40002 | 1123.40002 | ✓ |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 1123.40002 | 1123.40002 | ✓ |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc | 0 | 0 | ✓ |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 1 | 1 | ~ |
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ✓ |
| tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ~ |

| T · | | | | | | |
|----------------------|-------|----------------------|-------|--------|--|--|
| Actual Function | Count | Expected Function | Count | Result | | |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ | | |

| Test Step 2.70 (Repeat Count = 1) | | | ~ | |
|-------------------------------------------------------------|-----------------------------------------|----------------|----------|--|
| Name | Input Value | | | |
| AutoCntr Cnt T str | tgt AutoCntr Cnt T str | | | |
| DtrmnElapsedTime mS u32(ElapsedTime) | tgt DtrmnElapsedTime mS u32 ElapsedTime | | | |
| FiltPinTrg HwNm T f32 | 14 | | | |
| GetSystemTime mS u32(CurrentTime) | tgt GetSystemTime mS u32 CurrentTime | | | |
| MotorVelCRF MtrRadpS T f32 | 1100 | | | |
| RelHwPos_HwDeg_T_f32 | -378.170013 | | | |
| VehSpdValid_Cnt_T_lgc | 0 | | | |
| VehicleSpeed_Kph_T_f32 | 84 | | | |
| tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32 | 120.120003 | | | |
| tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32 | 64 | | | |
| tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32 | 14.0100002 | | | |
| tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32 | 54 | | | |
| tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16 | 12258 | | | |
| tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16 | 26195 | | | |
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 3304439296 | | | |
| tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 | 65489 | | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -378.170013 | | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000858000014 | | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -378.170013 | | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000528000004 | | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc | 1 | | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 0 | | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc | 1 | | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc | 1 | | | |
| tgt_DtrmnElapsedTime_mS_u32_ElapsedTime | 2894938880 | | | |
| tgt_GetSystemTime_mS_u32_CurrentTime | 910116864 | | | |
| Name | Actual Value | Expected Value | Result | |
| Autocenter_f32() | 0 | 0 ± 0.1 | ~ | |
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 910116864 | 910116864 | ~ | |
| tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 | 65489 | 65489 | ~ | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -378.170013 | -378.170013 | • | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -378.170013 | -378.170013 | ~ | |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc | 0 | 0 | ~ | |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 0 | 0 | ~ | |
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc | 1 | 1 | • | |
| tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ~ | |



| T | | | | | |
|----------------------|-------|----------------------|-------|--------|--|
| Actual Function | Count | Expected Function | Count | Result | |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ | |

| Test Step 2.71 (Repeat Count = 1) Name | Input Value | | | | |
|-------------------------------------------------------------|-----------------------------|-----------------------------------------|--------|--|--|
| AutoCntr Cnt T str | tgt AutoCntr Cnt T str | | | | |
| DtrmnElapsedTime mS u32(ElapsedTime) | | tgt DtrmnElapsedTime mS u32 ElapsedTime | | | |
| FiltPinTrg HwNm T f32 | 2 | | | | |
| GetSystemTime mS u32(CurrentTime) | tgt GetSystemTime mS u32 Cu | urrentTime | | | |
| MotorVelCRF MtrRadpS T f32 | 752 | | | | |
| RelHwPos HwDeg T f32 | -444.839996 | | | | |
| VehSpdValid_Cnt_T_lgc | 0 | | | | |
| VehicleSpeed Kph T f32 | 146 | | | | |
| tgt AutoCntr Cnt T str.MtrVel MtrRadpS f32 | 566.22998 | | | | |
| tgt AutoCntr Cnt T str.VehSpd kph f32 | 156 | | | | |
| tgt AutoCntr Cnt T str.FiltPinTrq HwNm f32 | 2.1099999 | | | | |
| tgt AutoCntr Cnt T str.CntrWindow HwDeg f32 | 54 | | | | |
| tgt AutoCntr Cnt T str.Timer1Thresh mS u16 | 49475 | | | | |
| tgt AutoCntr Cnt T str.Timer2Thresh mS u16 | 49475 | | | | |
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 824746752 | | | | |
| tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 | 402713344 | 402713344 | | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -444.839996 | -444.839996 | | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000910000002 | | | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -444.839996 | | | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000568000018 | | | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc | 1 | | | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 1 | | | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc | 0 | | | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc | 1 | | | | |
| tgt_DtrmnElapsedTime_mS_u32_ElapsedTime | 2167769344 | | | | |
| tgt_GetSystemTime_mS_u32_CurrentTime | 0 | | | | |
| Name | Actual Value | Expected Value | Result | | |
| Autocenter_f32() | 0 | 0 ± 0.1 | • | | |
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 0 | 0 | • | | |
| tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 | 402713344 | 402713344 | • | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -444.839996 | -444.839996 | • | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -444.839996 | -444.839996 | • | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc | 0 | 0 | • | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 1 | 1 | • | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc | 0 | 0 | • | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc | 1 | 1 | • | | |

| T | | | | ✓ |
|----------------------|-------|----------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| GetSystemTime mS u32 | 1 | GetSystemTime mS u32 | 1 | ~ |

| Test Step 2.72 (Repeat Count = 1) | | | |
|-------------------------------------------------------------|-----------------------------------------|--|--|
| Name | Input Value | | |
| AutoCntr_Cnt_T_str | tgt_AutoCntr_Cnt_T_str | | |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | tgt_DtrmnElapsedTime_mS_u32_ElapsedTime | | |
| FiltPinTrq_HwNm_T_f32 | 5.5 | | |
| GetSystemTime_mS_u32(CurrentTime) | tgt_GetSystemTime_mS_u32_CurrentTime | | |
| MotorVelCRF_MtrRadpS_T_f32 | -158 | | |
| RelHwPos_HwDeg_T_f32 | -480.880005 | | |
| VehSpdValid_Cnt_T_lgc | 1 | | |
| VehicleSpeed_Kph_T_f32 | 156.600006 | | |
| tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32 | 75 | | |
| tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32 | 166 | | |
| tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32 | 5 | | |
| tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32 | 85 | | |
| tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16 | 43128 | | |
| tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16 | 43128 | | |
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 309385728 | | |
| tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 | 4178051584 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -480.880005 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000912000018 | | |

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| Name | Input Value | | |
|-------------------------------------------------------------|----------------|----------------|----------|
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -480.880005 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000569999975 | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc | 0 | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 0 | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc | 1 | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc | 0 | | |
| tgt_DtrmnElapsedTime_mS_u32_ElapsedTime | 3714197504 | | |
| tgt_GetSystemTime_mS_u32_CurrentTime | 4294967295 | | |
| Name | Actual Value | Expected Value | Result |
| Autocenter_f32() | 0 | 0 ± 0.1 | ~ |
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 4294967295 | 4294967295 | ~ |
| tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 | 4178051584 | 4178051584 | ~ |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -480.880005 | -480.880005 | ~ |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -480.880005 | -480.880005 | ~ |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc | 0 | 0 | ✓ |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 0 | 0 | ✓ |
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ✓ |
| tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ~ |

| T | | | | | | |
|----------------------|-------|----------------------|-------|-----|----------|--|
| Actual Function | Count | Expected Function | Count | Res | ult | |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | | ~ | |

| Test Step 2.73 (Repeat Count = 1) | | | | |
|-------------------------------------------------------------|-----------------------------|----------------|-------|--|
| Name | Input Value | | | |
| AutoCntr_Cnt_T_str | tgt_AutoCntr_Cnt_T_str | | | |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | tgt_DtrmnElapsedTime_mS_u32 | 2_ElapsedTime | | |
| FiltPinTrq_HwNm_T_f32 | 4 | | | |
| GetSystemTime_mS_u32(CurrentTime) | tgt_GetSystemTime_mS_u32_C | currentTime | | |
| MotorVelCRF_MtrRadpS_T_f32 | 1100 | | | |
| RelHwPos_HwDeg_T_f32 | 710.950012 | | | |
| VehSpdValid_Cnt_T_lgc | 0 | | | |
| VehicleSpeed_Kph_T_f32 | 166 | | | |
| tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32 | 10.21 | | | |
| tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32 | 176 | | | |
| tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32 | 4 | | | |
| tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32 | 96 | | | |
| tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16 | 21364 | | | |
| tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16 | 21364 | | | |
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 4164171008 | | | |
| tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 | 4077829376 | | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 710.950012 | | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000904000015 | | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 710.950012 | | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.00057199999 | | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc | 1 | | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 1 | | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc | 0 | | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc | 1 | | | |
| tgt_DtrmnElapsedTime_mS_u32_ElapsedTime | 3323480832 | | | |
| tgt_GetSystemTime_mS_u32_CurrentTime | 255468 | | | |
| Name | Actual Value | Expected Value | Resul | |
| Autocenter_f32() | 0 | 0 ± 0.1 | • | |
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 255468 | 255468 | • | |
| tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 | 4077829376 | 4077829376 | • | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 710.950012 | 710.950012 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 710.950012 | 710.950012 | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc | 0 | 0 | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 1 | 1 | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc | 0 | 0 | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc | 1 | 1 | | |

| T | | | | | |
|----------------------|-------|----------------------|-------|--------|--|
| Actual Function | Count | Expected Function | Count | Result | |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ | |



| Test Step 2.74 (Repeat Count = 1) | | | ✓ |
|-------------------------------------------------------------|-------------------------------------|----------------|----------|
| Name | Input Value | | |
| AutoCntr_Cnt_T_str | tgt AutoCntr Cnt T str | | |
| DtrmnElapsedTime mS u32(ElapsedTime) | tgt DtrmnElapsedTime mS u32 Elapsed | Time | |
| FiltPinTrg HwNm T f32 | 5 | Time | |
| GetSystemTime mS u32(CurrentTime) | tat GetSystemTime mS u32 CurrentTim | ۵ | |
| MotorVelCRF MtrRadpS T f32 | 100 | C | |
| RelHwPos HwDeg T f32 | -833.309998 | | |
| VehSpdValid Cnt T Igc | 1 | | |
| VehicleSpeed Kph T f32 | 134 | | |
| tgt AutoCntr Cnt T str.MtrVel MtrRadpS f32 | 126 | | |
| tgt AutoCntr Cnt T str.VehSpd kph f32 | 126 | | |
| tgt AutoCntr Cnt T str.FiltPinTrg HwNm f32 | 6 | | |
| tgt AutoCntr Cnt T str.CntrWindow HwDeg f32 | 25 | | |
| tgt AutoCntr Cnt T str.Timer1Thresh mS u16 | 20423 | | |
| tgt AutoCntr Cnt T str.Timer2Thresh mS u16 | 2291 | | |
| tgt AutoCntr Cnt T str.Timer1 mS u32 | 2075080192 | | |
| tgt AutoCntr Cnt T str.Timer2 mS u32 | 1358028288 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -833.309998 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000904000015 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -833.309998 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000561999972 | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc | 0 | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 0 | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc | 1 | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc | 0 | | |
| tgt_DtrmnElapsedTime_mS_u32_ElapsedTime | 0 | | |
| tgt_GetSystemTime_mS_u32_CurrentTime | 2942063360 | | |
| Name | Actual Value | Expected Value | Result |
| Autocenter_f32() | 0 | 0 ± 0.1 | ~ |
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 2075080192 | 2075080192 | ✓ |
| tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 | 1358028288 | 1358028288 | • |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -833.309998 | -833.309998 | ✓ |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -833.309998 | -833.309998 | • |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc | 0 | 0 | • |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 0 | 0 | • |
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ✓ |
| tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ✓ |

| T | | | | |
|-------------------------|-------|-------------------------|-------|--------|
| Actual Function | Count | Expected Function | Count | Result |
| DtrmnElapsedTime_mS_u32 | 1 | DtrmnElapsedTime_mS_u32 | 1 | ~ |

| Name | Input Value |
|-------------------------------------------------------------|-----------------------------------------|
| AutoCntr_Cnt_T_str | tgt_AutoCntr_Cnt_T_str |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | tgt_DtrmnElapsedTime_mS_u32_ElapsedTime |
| FiltPinTrq_HwNm_T_f32 | 3 |
| GetSystemTime_mS_u32(CurrentTime) | tgt_GetSystemTime_mS_u32_CurrentTime |
| MotorVelCRF_MtrRadpS_T_f32 | 120 |
| RelHwPos_HwDeg_T_f32 | -1124.05005 |
| VehSpdValid_Cnt_T_lgc | 1 |
| VehicleSpeed_Kph_T_f32 | 154 |
| tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32 | 124.25 |
| tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32 | 136 |
| tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32 | 4 |
| tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32 | 86 |
| tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16 | 7034 |
| tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16 | 38868 |
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 954802432 |
| tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 | 1975593216 |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1124.05005 |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000905999972 |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -2124.05005 |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000563999987 |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc | 1 |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 1 |
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc | 0 |
| tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc | 1 |
| tgt_DtrmnElapsedTime_mS_u32_ElapsedTime | 4294967295 |

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| Name | Input Value | | |
|-------------------------------------------------------------|--------------|------------------|----------|
| tgt_GetSystemTime_mS_u32_CurrentTime | 4077829376 | | |
| Name | Actual Value | Expected Value | Result |
| Autocenter_f32() | 999.436035 | 999.435974 ± 0.1 | ~ |
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 954802432 | 954802432 | ✓ |
| tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 | 1975593216 | 1975593216 | ✓ |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -1124.05005 | -1124.05005 | ✓ |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -2123.48608 | -2123.48608 | ✓ |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc | 1 | 1 | ✓ |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 1 | 1 | ✓ |
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc | 0 | 0 | ✓ |
| tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ✓ |

| T | | | | | |
|-------------------------|-------|-------------------------|-------|--------|--|
| Actual Function | Count | Expected Function | Count | Result | |
| DtrmnElapsedTime_mS_u32 | 2 | DtrmnElapsedTime_mS_u32 | 2 | ~ | |

| Test Step 2.76 (Repeat Count = 1) | | | * |
|-------------------------------------------------------------|-----------------------------|----------------|----------|
| Name | Input Value | | |
| AutoCntr_Cnt_T_str | tgt_AutoCntr_Cnt_T_str | | |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | tgt_DtrmnElapsedTime_mS_u32 | _ElapsedTime | |
| FiltPinTrq_HwNm_T_f32 | 1 | | |
| GetSystemTime_mS_u32(CurrentTime) | tgt_GetSystemTime_mS_u32_C | urrentTime | |
| MotorVelCRF_MtrRadpS_T_f32 | -425.220001 | | |
| RelHwPos_HwDeg_T_f32 | -136.300003 | | |
| VehSpdValid_Cnt_T_lgc | 1 | | |
| VehicleSpeed_Kph_T_f32 | 158 | | |
| tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32 | 456 | | |
| tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32 | 146 | | |
| tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32 | 2 | | |
| tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32 | 56.2999992 | | |
| tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16 | 25532 | | |
| tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16 | 53970 | | |
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 2728878080 | | |
| tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 | 910116864 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -136.300003 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000907999987 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -136.300003 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000566000002 | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc | 0 | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 0 | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc | 1 | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc | 0 | | |
| tgt_DtrmnElapsedTime_mS_u32_ElapsedTime | 255468 | | |
| tgt_GetSystemTime_mS_u32_CurrentTime | 3714197504 | | |
| Name | Actual Value | Expected Value | Resul |
| Autocenter_f32() | 0 | 0 ± 0.1 | • |
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 2728878080 | 2728878080 | · · |
| tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 | 3714197504 | 3714197504 | • |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -136.300003 | -136.300003 | • |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -136.300003 | -136.300003 | • |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc | 1 | 1 | |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 1 | 1 | • |
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc | 1 | 1 | · · |
| tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc | 1 | 1 | • |

| T | | | | |
|-------------------------|-------|-------------------------|-------|--------|
| Actual Function | Count | Expected Function | Count | Result |
| DtrmnElapsedTime_mS_u32 | 1 | DtrmnElapsedTime_mS_u32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | • |
| DtrmnElapsedTime_mS_u32 | 1 | DtrmnElapsedTime_mS_u32 | 1 | ~ |



Test Case 3: Path Test

Specification

Performance Metrics: (With "None" Instrumentation and "WithPS" Environment)

CPU Cycles:

TS3.1 1885.00 Cycles
TS3.2 1257.00 Cycles
TS3.3 1767.00 Cycles
TS3.4 1844.00 Cycles
TS3.5 1176.00 Cycles
TS3.6 1791.00 Cycles
TS3.7 747.00 Cycles
TS3.8 1784.00 Cycles
TS3.8 1784.00 Cycles
TS3.9 676.00 Cycles
TS3.10 676.00 Cycles

Description

Vector Description:

```
TS3.1"( (Abs_f32_m(MotorVelCRF_MtrRadpS_T_f32) <= AutoCntr_Cnt_T_str->WtrVel_MtrRadpS_f32) && (VehicleSpeed_Kph_T_f32) >= AutoCntr_Cnt_T_str->VehSpd_kph_f32) && (VehicleSpeed_Kph_T_f32) >= AutoCntr_Cnt_T_str->FillPinTrq_HwNm_f32) ))=True (AutoCntr_Cnt_T_str->FillerInTang_HwNm_T_f32) <= (AutoCntr_Cnt_T_str->FillerInTang_HwNm_f32) ))=True ((AutoCntr_Cnt_T_str->FillerIntang_Cnt_lgc == D_FALSE_CNT_LGC) && (TimertIngsed_mS_T_u32) >= AutoCntr_Cnt_T_str->FillPinTrq_HwNm_f32) ))=True (AutoCntr_Cnt_T_str->FillerIntang_Cnt_lgc == D_FALSE_CNT_LGC) && (TimertIngsed_mS_T_u32) >= AutoCntr_Cnt_T_str->TimertThresh_mS_u16) )=True (AutoCntr_Cnt_T_str->FillerIntang_Cnt_lgc == D_FALSE_CNT_LGC) =False (AutoCntr_Cnt_T_str->Filler2Enable_Cnt_lgc == D_FALSE_CNT_LGC) =False (AutoCntr_Cnt_T_str->Filler1Initialized_Cnt_lgc == D_FALSE_CNT_LGC) =False (AutoCntr_Cnt_T_str->Filler1Initialized_Cnt_lgc == D_FALSE_CNT_LGC) =False (AutoCntr_Cnt_T_str->Filler2Enable_Cnt_lgc == D_FALSE_CNT_LGC) =False (AutoCntr_Cnt_T_
```

| Test Step 3.1 (Repeat Count = 1) | | | ✓ |
|-------------------------------------------------------------|----------------------------------------|-------------------|----------|
| Name | Input Value | | |
| AutoCntr_Cnt_T_str | tgt_AutoCntr_Cnt_T_str | | |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | tgt_DtrmnElapsedTime_mS_u32_ElapsedTin | me | |
| FiltPinTrq_HwNm_T_f32 | 5 | | |
| GetSystemTime_mS_u32(CurrentTime) | tgt_GetSystemTime_mS_u32_CurrentTime | | |
| MotorVelCRF_MtrRadpS_T_f32 | 0 | | |
| RelHwPos_HwDeg_T_f32 | -888 | | |
| VehSpdValid_Cnt_T_lgc | 1 | | |
| VehicleSpeed_Kph_T_f32 | 216 | | |
| tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32 | 120 | | |
| tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32 | 34 | | |
| tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32 | 5 | | |
| tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32 | 85 | | |
| tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16 | 53759 | | |
| tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16 | 32821 | | |
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 1050692864 | | |
| tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 | 3533260288 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -888 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000503999996 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 425 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000503999996 | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc | 0 | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 0 | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc | 1 | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc | 1 | | |
| tgt_DtrmnElapsedTime_mS_u32_ElapsedTime | 3437401088 | | |
| tgt_GetSystemTime_mS_u32_CurrentTime | 954802432 | | |
| Name | Actual Value | Expected Value | Result |
| Autocenter_f32() | -1312.33826 | -1312.33826 ± 0.1 | ~ |

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| Name | Actual Value | Expected Value | Result |
|-------------------------------------------------------------|--------------|----------------|--------|
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 1050692864 | 1050692864 | ✓ |
| tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 | 954802432 | 954802432 | ✓ |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -888 | -888 | ✓ |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 424.338257 | 424.338257 | ✓ |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc | 1 | 1 | ✓ |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 1 | 1 | ✓ |
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ✓ |
| tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ✓ |

| T | | | | | |
|-------------------------|-------|-------------------------|-------|----------|--|
| Actual Function | Count | Expected Function | Count | Result | |
| DtrmnElapsedTime_mS_u32 | 1 | DtrmnElapsedTime_mS_u32 | 1 | ~ | |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ✓ | |
| DtrmnElapsedTime_mS_u32 | 1 | DtrmnElapsedTime_mS_u32 | 1 | ✓ | |

| Name | Input Value | | |
|-------------------------------------------------------------|---------------------------------|-------------------|-------|
| AutoCntr Cnt T str | tgt AutoCntr Cnt T str | | |
| DtrmnElapsedTime mS u32(ElapsedTime) | tgt DtrmnElapsedTime mS u32 Ela | psedTime | |
| FiltPinTrq HwNm T f32 | 5 | | |
| GetSystemTime mS u32(CurrentTime) | tgt GetSystemTime mS u32 Currer | ntTime | |
| MotorVelCRF_MtrRadpS_T_f32 | 0 | | |
| RelHwPos_HwDeg_T_f32 | -888 | | |
| VehSpdValid_Cnt_T_lgc | 1 | | |
| VehicleSpeed_Kph_T_f32 | 216 | | |
| tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32 | 120 | | |
| tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32 | 34 | | |
| tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32 | 5 | | |
| tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32 | 85 | | |
| tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16 | 53759 | | |
| tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16 | 32821 | | |
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 3039943680 | | |
| tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 | 812314880 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -888 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000506000011 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 425 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000506000011 | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc | 1 | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 0 | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc | 1 | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc | 1 | | |
| tgt_DtrmnElapsedTime_mS_u32_ElapsedTime | 3437401088 | | |
| tgt_GetSystemTime_mS_u32_CurrentTime | 954802432 | | |
| Name | Actual Value | Expected Value | Resul |
| Autocenter_f32() | -1312.33569 | -1312.33557 ± 0.1 | • |
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 3039943680 | 3039943680 | • |
| tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 | 812314880 | 812314880 | • |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -888 | -888 | • |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 424.335632 | 424.335632 | • |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc | 1 | 1 | • |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 1 | 1 | • |
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc | 1 | 1 | |
| tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc | 1 | 1 | |

| Τ | | | | V |
|-------------------------|-------|-------------------------|-------|--------|
| Actual Function | Count | Expected Function | Count | Result |
| DtrmnElapsedTime_mS_u32 | 2 | DtrmnElapsedTime_mS_u32 | 2 | ~ |

| Test Step 3.3 (Repeat Count = 1) | → |
|--------------------------------------|-----------------------------------------|
| Name | Input Value |
| AutoCntr_Cnt_T_str | tgt_AutoCntr_Cnt_T_str |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | tgt_DtrmnElapsedTime_mS_u32_ElapsedTime |
| FiltPinTrq_HwNm_T_f32 | 5 |
| GetSystemTime_mS_u32(CurrentTime) | tgt_GetSystemTime_mS_u32_CurrentTime |
| MotorVelCRF_MtrRadpS_T_f32 | 0 |
| RelHwPos_HwDeg_T_f32 | -888 |

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| Name | Input Value | | |
|-------------------------------------------------------------|----------------|-------------------|----------|
| VehSpdValid_Cnt_T_lgc | 1 | | |
| VehicleSpeed_Kph_T_f32 | 216 | | |
| tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32 | 120 | | |
| tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32 | 34 | | |
| tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32 | 5 | | |
| tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32 | 85 | | |
| tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16 | 53759 | | |
| tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16 | 32821 | | |
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 1316564736 | | |
| tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 | 3345084416 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -888 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000508000026 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 425 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000508000026 | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc | 0 | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 0 | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc | 0 | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc | 1 | | |
| tgt_DtrmnElapsedTime_mS_u32_ElapsedTime | 3437401088 | | |
| tgt_GetSystemTime_mS_u32_CurrentTime | 954802432 | | |
| Name | Actual Value | Expected Value | Result |
| Autocenter_f32() | -1312.33301 | -1312.33301 ± 0.1 | ~ |
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 1316564736 | 1316564736 | ✓ |
| tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 | 954802432 | 954802432 | ~ |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -888 | -888 | ✓ |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 424.333008 | 424.333008 | ~ |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc | 1 | 1 | ✓ |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 1 | 1 | ~ |
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ~ |
| tgt AutoCntr Cnt T str.Filter2Initialized Cnt Igc | 1 | 1 | ✓ |

| T | | | | ✓ |
|-------------------------|-------|-------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| DtrmnElapsedTime_mS_u32 | 1 | DtrmnElapsedTime_mS_u32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | • |
| DtrmnElapsedTime mS u32 | 1 | DtrmnElapsedTime mS u32 | 1 | _ |

| Test Step 3.4 (Repeat Count = 1) | | |
|-------------------------------------------------------------|-----------------------------------------|----------|
| Name | Input Value | |
| AutoCntr_Cnt_T_str | tgt_AutoCntr_Cnt_T_str | |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | tgt_DtrmnElapsedTime_mS_u32_ElapsedTime | |
| FiltPinTrq_HwNm_T_f32 | 5 | |
| GetSystemTime_mS_u32(CurrentTime) | tgt_GetSystemTime_mS_u32_CurrentTime | |
| MotorVelCRF_MtrRadpS_T_f32 | 0 | |
| RelHwPos_HwDeg_T_f32 | -888 | |
| VehSpdValid_Cnt_T_lgc | 1 | |
| VehicleSpeed_Kph_T_f32 | 216 | |
| tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32 | 120 | |
| tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32 | 34 | |
| tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32 | 5 | |
| tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32 | 85 | |
| tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16 | 53759 | |
| tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16 | 32821 | |
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 2075080192 | |
| tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 | 2704864000 | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 888 | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000509999983 | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 425 | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000509999983 | |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_Igc | 0 | |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_Igc | 0 | |
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc | 1 | |
| tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc | 1 | |
| tgt_DtrmnElapsedTime_mS_u32_ElapsedTime | 3437401088 | |
| tgt_GetSystemTime_mS_u32_CurrentTime | 954802432 | |
| Name | Actual Value Expected Value | e Result |
| Autocenter_f32() | -1313 ± 0.1 | - |
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 2075080192 2075080192 | · · |
| tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 | 954802432 954802432 | ✓ |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | 887.094238 887.094238 | ✓ |

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| Name | Actual Value | Expected Value | Result |
|-------------------------------------------------------------|--------------|----------------|----------|
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 425 | 425 | ~ |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc | 1 | 1 | ✓ |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 0 | 0 | ✓ |
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ✓ |
| tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ✓ |

| T . | | | | ✓ |
|-------------------------|-------|-------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| DtrmnElapsedTime_mS_u32 | 1 | DtrmnElapsedTime_mS_u32 | 1 | ~ |
| GetSystemTime mS u32 | 2 | GetSystemTime mS u32 | 2 | ✓ |

| Test Step 3.5 (Repeat Count = 1) | | | ✓ |
|-------------------------------------------------------------|-----------------------------|-------------------|----------|
| Name | Input Value | | |
| AutoCntr_Cnt_T_str | tgt_AutoCntr_Cnt_T_str | | |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | tgt_DtrmnElapsedTime_mS_u32 | _ElapsedTime | |
| FiltPinTrq_HwNm_T_f32 | 5 | | |
| GetSystemTime_mS_u32(CurrentTime) | tgt_GetSystemTime_mS_u32_Cu | urrentTime | |
| MotorVelCRF_MtrRadpS_T_f32 | 0 | | |
| RelHwPos_HwDeg_T_f32 | -888 | | |
| VehSpdValid_Cnt_T_lgc | 1 | | |
| VehicleSpeed_Kph_T_f32 | 216 | | |
| tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32 | 120 | | |
| tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32 | 34 | | |
| tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32 | 5 | | |
| tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32 | 53 | | |
| tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16 | 85 | | |
| tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16 | 32821 | | |
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 2167769344 | | |
| tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 | 954802432 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -888 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000511999999 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 425 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000511999999 | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc | 1 | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 1 | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc | 1 | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc | 1 | | |
| tgt_DtrmnElapsedTime_mS_u32_ElapsedTime | 3437401088 | | |
| tgt_GetSystemTime_mS_u32_CurrentTime | 954802432 | | |
| Name | Actual Value | Expected Value | Result |
| Autocenter_f32() | -1312.32776 | -1312.32776 ± 0.1 | ~ |
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 2167769344 | 2167769344 | ✓ |
| tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 | 954802432 | 954802432 | ~ |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -888 | -888 | ✓ |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 424.327759 | 424.327759 | ~ |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc | 1 | 1 | ~ |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 1 | 1 | ~ |
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ~ |
| tgt AutoCntr Cnt T str.Filter2Initialized Cnt Igc | 1 | 1 | ✓ |

| T | | | | ✓ |
|-------------------------|-------|-------------------------|-------|----------|
| Actual Function | Count | Expected Function | Count | Result |
| DtrmnElapsedTime_mS_u32 | 2 | DtrmnElapsedTime_mS_u32 | 2 | ~ |

| Test Step 3.6 (Repeat Count = 1) | | ✓ |
|--------------------------------------------|-----------------------------------------|---|
| Name | Input Value | |
| AutoCntr_Cnt_T_str | tgt_AutoCntr_Cnt_T_str | |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | tgt_DtrmnElapsedTime_mS_u32_ElapsedTime | |
| FiltPinTrq_HwNm_T_f32 | 5 | |
| GetSystemTime_mS_u32(CurrentTime) | tgt_GetSystemTime_mS_u32_CurrentTime | |
| MotorVelCRF_MtrRadpS_T_f32 | 0 | |
| RelHwPos_HwDeg_T_f32 | -888 | |
| VehSpdValid_Cnt_T_lgc | 1 | |
| VehicleSpeed_Kph_T_f32 | 216 | |
| tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32 | 120 | |
| tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32 | 34 | |

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| Name | Input Value | | |
|-------------------------------------------------------------|----------------|----------------|--------|
| tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32 | 5 | | |
| tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32 | 86 | | |
| tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16 | 85 | | |
| tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16 | 32821 | | |
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 2728878080 | | |
| tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 | 662694400 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -888 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000514000014 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 425 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000514000014 | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc | 0 | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 0 | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc | 1 | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc | 0 | | |
| tgt_DtrmnElapsedTime_mS_u32_ElapsedTime | 3437401088 | | |
| tgt_GetSystemTime_mS_u32_CurrentTime | 954802432 | | |
| Name | Actual Value | Expected Value | Result |
| Autocenter_f32() | 0 | 0 ± 0.1 | ~ |
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 2728878080 | 2728878080 | ~ |
| tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 | 954802432 | 954802432 | ~ |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -888 | -888 | ~ |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -888 | -888 | ~ |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc | 1 | 1 | • |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 1 | 1 | ~ |
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ~ |
| tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ~ |

| T | | | | |
|-------------------------|-------|-------------------------|-------|--------|
| Actual Function | Count | Expected Function | Count | Result |
| DtrmnElapsedTime_mS_u32 | 1 | DtrmnElapsedTime_mS_u32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| DtrmnElapsedTime_mS_u32 | 1 | DtrmnElapsedTime_mS_u32 | 1 | ~ |

| Test Step 3.7 (Repeat Count = 1) | | ✓ |
|--------------------------------------------|-----------------------------------------|---|
| Name | Input Value | |
| AutoCntr_Cnt_T_str | tgt_AutoCntr_Cnt_T_str | |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | tgt_DtrmnElapsedTime_mS_u32_ElapsedTime | |
| FiltPinTrq_HwNm_T_f32 | 15 | |
| GetSystemTime_mS_u32(CurrentTime) | tgt_GetSystemTime_mS_u32_CurrentTime | |
| MotorVelCRF_MtrRadpS_T_f32 | 63 | |
| RelHwPos_HwDeg_T_f32 | -1600 | |
| VehSpdValid_Cnt_T_lgc | 1 | |
| VehicleSpeed_Kph_T_f32 | 186 | |
| tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32 | 66 | |
| tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32 | 84 | |

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| Autocenter f3 | 32 |
|---------------|----|
|---------------|----|

| Name | Actual Value | Expected Value | Result |
|---------------------------------------------------|--------------|----------------|--------|
| tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc | 0 | 0 | ~ |

| T | | | | |
|----------------------|-------|----------------------|-------|--------|
| Actual Function | Count | Expected Function | Count | Result |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |

| Name | Input Value | | | |
|-------------------------------------------------------------|-----------------------------|----------------|-------|--|
| AutoCntr_Cnt_T_str | tgt_AutoCntr_Cnt_T_str | | | |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | tgt_DtrmnElapsedTime_mS_u33 | 2_ElapsedTime | | |
| FiltPinTrq_HwNm_T_f32 | 5 | | | |
| GetSystemTime_mS_u32(CurrentTime) | tgt_GetSystemTime_mS_u32_0 | CurrentTime | | |
| MotorVelCRF_MtrRadpS_T_f32 | 0 | | | |
| RelHwPos_HwDeg_T_f32 | -888 | | | |
| VehSpdValid_Cnt_T_lgc | 1 | | | |
| VehicleSpeed_Kph_T_f32 | 216 | | | |
| tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32 | 120 | | | |
| tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32 | 34 | | | |
| tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32 | 5 | | | |
| tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32 | 45 | | | |
| tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16 | 85 | | | |
| tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16 | 32821 | | | |
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 309385728 | | | |
| tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 | 4129141760 | | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -888 | | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000517999986 | | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 425 | 425 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000517999986 | | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc | 0 | | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 0 | | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc | 1 | | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc | 1 | | | |
| tgt_DtrmnElapsedTime_mS_u32_ElapsedTime | 500 | | | |
| tgt_GetSystemTime_mS_u32_CurrentTime | 954802432 | | | |
| Name | Actual Value | Expected Value | Resul | |
| Autocenter_f32() | -1313 | -1313 ± 0.1 | • | |
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 309385728 | 309385728 | • | |
| tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 | 954802432 | 954802432 | • | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -888 | -888 | • | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 425 | 425 | • | |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc | 1 | 1 | • | |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 0 | 0 | • | |
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc | 1 | 1 | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc | 1 | 1 | | |

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|-------------------------|-------|-------------------------|-------|--------|--|
| Actual Function | Count | Expected Function | Count | Result | |
| DtrmnElapsedTime_mS_u32 | 1 | DtrmnElapsedTime_mS_u32 | 1 | ~ | |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | • | |
| DtrmnElapsedTime_mS_u32 | 1 | DtrmnElapsedTime_mS_u32 | 1 | ~ | |

| Test Step 3.9 (Repeat Count = 1) | | ✓ |
|---------------------------------------------|-----------------------------------------|----------|
| Name | Input Value | |
| AutoCntr_Cnt_T_str | tgt_AutoCntr_Cnt_T_str | |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | tgt_DtrmnElapsedTime_mS_u32_ElapsedTime | |
| FiltPinTrq_HwNm_T_f32 | 5 | |
| GetSystemTime_mS_u32(CurrentTime) | tgt_GetSystemTime_mS_u32_CurrentTime | |
| MotorVelCRF_MtrRadpS_T_f32 | 0 | |
| RelHwPos_HwDeg_T_f32 | -888 | |
| VehSpdValid_Cnt_T_lgc | 1 | |
| VehicleSpeed_Kph_T_f32 | 216 | |
| tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32 | 120 | |
| tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32 | 34 | |
| tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32 | 5 | |
| tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32 | 85 | |
| tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16 | 40000 | |

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| Name | Input Value | | |
|-------------------------------------------------------------|----------------|----------------|--------|
| tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16 | 32821 | | |
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 4164171008 | | |
| tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 | 2836768512 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -888 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000520000001 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 425 | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000520000001 | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc | 0 | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 0 | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc | 1 | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc | 1 | | |
| tgt_DtrmnElapsedTime_mS_u32_ElapsedTime | 30000 | | |
| tgt_GetSystemTime_mS_u32_CurrentTime | 954802432 | | |
| Name | Actual Value | Expected Value | Result |
| Autocenter_f32() | -1313 | -1313 ± 0.1 | ~ |
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 4164171008 | 4164171008 | ~ |
| tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 | 2836768512 | 2836768512 | ~ |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -888 | -888 | ~ |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 425 | 425 | ~ |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc | 0 | 0 | ~ |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 0 | 0 | ~ |
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc | 1 | 1 | ~ |
| tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc | 1 | 1 | ~ |

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|-------------------------|-------|-------------------------|-------|--------|
| Actual Function | Count | Expected Function | Count | Result |
| DtrmnElapsedTime_mS_u32 | 1 | DtrmnElapsedTime_mS_u32 | 1 | ~ |

| Name | Input Value | | | | |
|-------------------------------------------------------------|--------------------------------|--------------------------------------|------|--|--|
| AutoCntr_Cnt_T_str | tgt_AutoCntr_Cnt_T_str | | | | |
| DtrmnElapsedTime_mS_u32(ElapsedTime) | tgt_DtrmnElapsedTime_mS_u32_El | apsedTime | | | |
| FiltPinTrq_HwNm_T_f32 | 5 | | | | |
| GetSystemTime_mS_u32(CurrentTime) | tgt_GetSystemTime_mS_u32_Curre | tgt GetSystemTime mS u32 CurrentTime | | | |
| MotorVelCRF_MtrRadpS_T_f32 | 0 | | | | |
| RelHwPos_HwDeg_T_f32 | -888 | | | | |
| VehSpdValid_Cnt_T_lgc | 1 | | | | |
| VehicleSpeed_Kph_T_f32 | 216 | | | | |
| tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32 | 120 | | | | |
| tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32 | 34 | | | | |
| tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32 | 5 | | | | |
| tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32 | 85 | | | | |
| tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16 | 53759 | | | | |
| tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16 | 32821 | | | | |
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 1316564736 | | | | |
| tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 | 3345084416 | | | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -888 | | | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32 | 0.000520000001 | | | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | 425 | | | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32 | 0.000508000026 | | | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc | 0 | | | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 0 | | | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc | 0 | | | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc | 0 | | | | |
| tgt_DtrmnElapsedTime_mS_u32_ElapsedTime | 3437401088 | | | | |
| tgt_GetSystemTime_mS_u32_CurrentTime | 954802432 | | | | |
| Name | Actual Value | Expected Value | Resu | | |
| Autocenter_f32() | 0 | 0 ± 0.1 | | | |
| tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32 | 1316564736 | 1316564736 | | | |
| tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32 | 954802432 | 954802432 | | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32 | -888 | -888 | | | |
| tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32 | -888 | -888 | • | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc | 1 | 1 | | | |
| tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc | 1 | 1 | | | |
| tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc | 1 | 1 | | | |
| tgt AutoCntr Cnt T str.Filter2Initialized Cnt Igc | 1 | 1 | | | |

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|-------------------------|-------|-------------------------|-------|--------|
| Actual Function | Count | Expected Function | Count | Result |
| DtrmnElapsedTime_mS_u32 | 1 | DtrmnElapsedTime_mS_u32 | 1 | ~ |
| GetSystemTime_mS_u32 | 1 | GetSystemTime_mS_u32 | 1 | ~ |
| DtrmnElapsedTime_mS_u32 | 1 | DtrmnElapsedTime_mS_u32 | 1 | • |