



# Production Test Report

**Final Test Status: PASSED**

Executed Test: HOT TEST SHORT

Engine Serial Number: 86111369

Test Number: 3

## Test Configuration

Engine Serial Number	86111369
Test Specification Number	94113
MODEL	ISBe300_e3
MOD_TYPE	CM2150e
TST_PAL	5
VOLTAGE	25.00
PROD_ID	BAH
SHUTOFF	3
E_ECMCOD	AX90113.05

## Test Information

Testbed: ZCK\_TC01

Operator: Cummins Operator

Test Date: 2022-02-24

Test Start: 19:52:36

Test End:

## Teststatus per Phase

Testpoint	Teststatus	Operator	PLC-Error	Meas.Err.	Mat. Review	ECM Error
SETUP	PASSED	0	0	0	0	0
COLD_CRANK	PASSED	0	0	0	0	0
COLD_CRANK_2	PASSED	0	0	0	0	0
ENGINE_START	PASSED	0	0	0	0	0
LOW_IDLE	PASSED	0	0	0	0	0
HIGH_IDLE	PASSED	0	0	0	0	0
RATED_HP	PASSED	0	0	0	0	0
TORQUE_PEAK	PASSED	0	0	0	0	0
LOW_IDLE_2	PASSED	0	0	0	0	0
ENGINE_SHUTDOWN	PASSED	0	0	0	0	0
FINAL_STATUS	PASSED	0	0	0	0	0



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**Reject Codes**

Code	Testpoint	Description	Type	Channel	Unit	Lower Limit	Value	Upper Limit
OVERRID	SETUP	Error on setting the parameter [SEND_OPERATION=r	ECM	-	-	0.00	0.00	0.00



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## ECM Fault Codes

Testpoint	Number	Description	Masked	Active
LOW_IDLE	241	VSS CIRCUIT DATA INCORRECT	A	A
LOW_IDLE	428	WATER IN FUEL SENSOR CIRCUIT SHORTED HIGH ERROR	A	A
LOW_IDLE	2555	GHC LOW VOLTAGE ERROR #1	A	A
HIGH_IDLE	241	VSS CIRCUIT DATA INCORRECT	A	A
HIGH_IDLE	428	WATER IN FUEL SENSOR CIRCUIT SHORTED HIGH ERROR	A	A
HIGH_IDLE	2555	GHC LOW VOLTAGE ERROR #1	A	A
RATED_HP	241	VSS CIRCUIT DATA INCORRECT	A	A
RATED_HP	428	WATER IN FUEL SENSOR CIRCUIT SHORTED HIGH ERROR	A	A
RATED_HP	2555	GHC LOW VOLTAGE ERROR #1	A	A
TORQUE_PEAK	241	VSS CIRCUIT DATA INCORRECT	A	A
TORQUE_PEAK	428	WATER IN FUEL SENSOR CIRCUIT SHORTED HIGH ERROR	A	A
TORQUE_PEAK	2555	GHC LOW VOLTAGE ERROR #1	A	A
LOW_IDLE_2	241	VSS CIRCUIT DATA INCORRECT	A	A
LOW_IDLE_2	428	WATER IN FUEL SENSOR CIRCUIT SHORTED HIGH ERROR	A	A
LOW_IDLE_2	2555	GHC LOW VOLTAGE ERROR #1	A	A



# Production Test Report

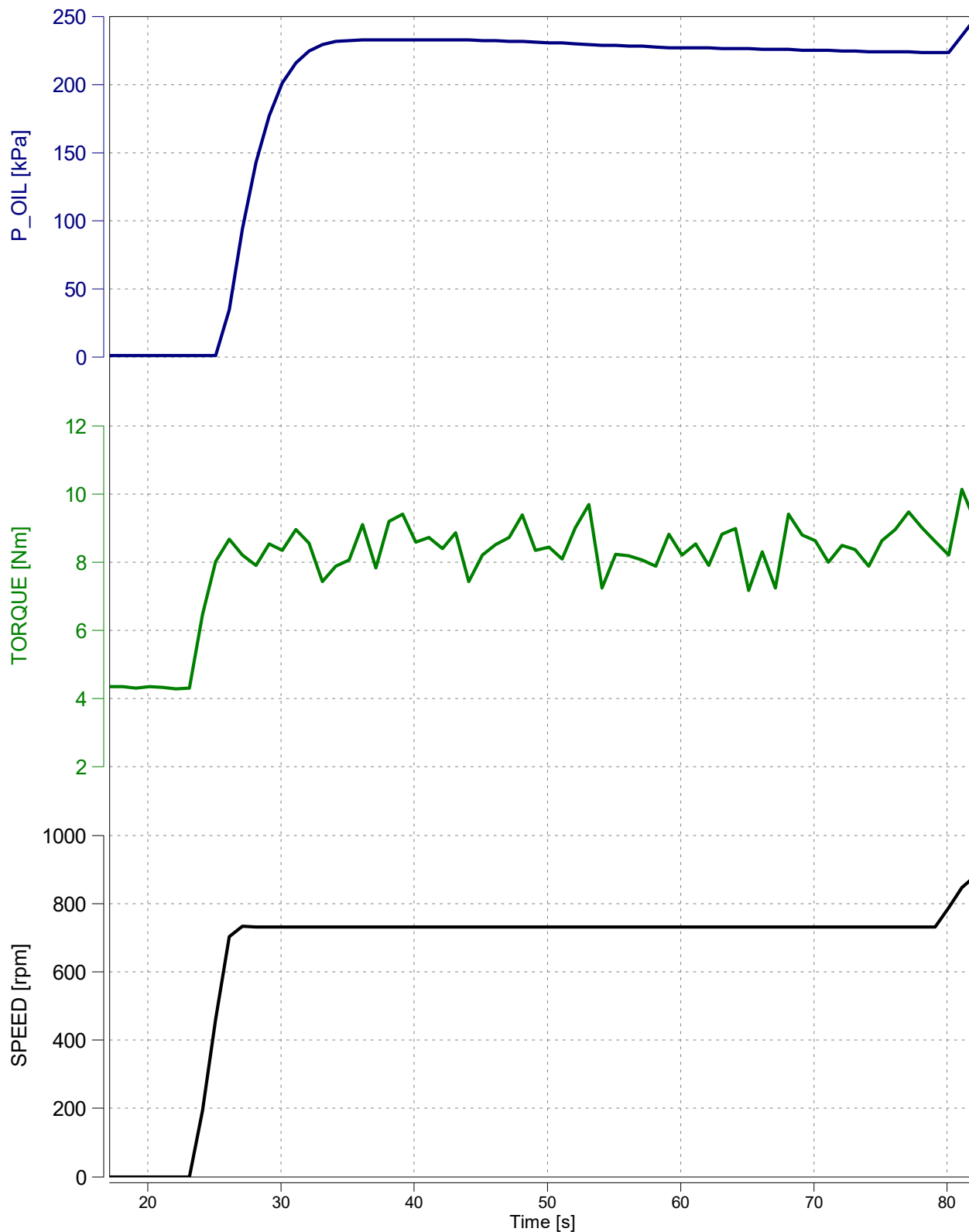
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## Oil Pressure Check





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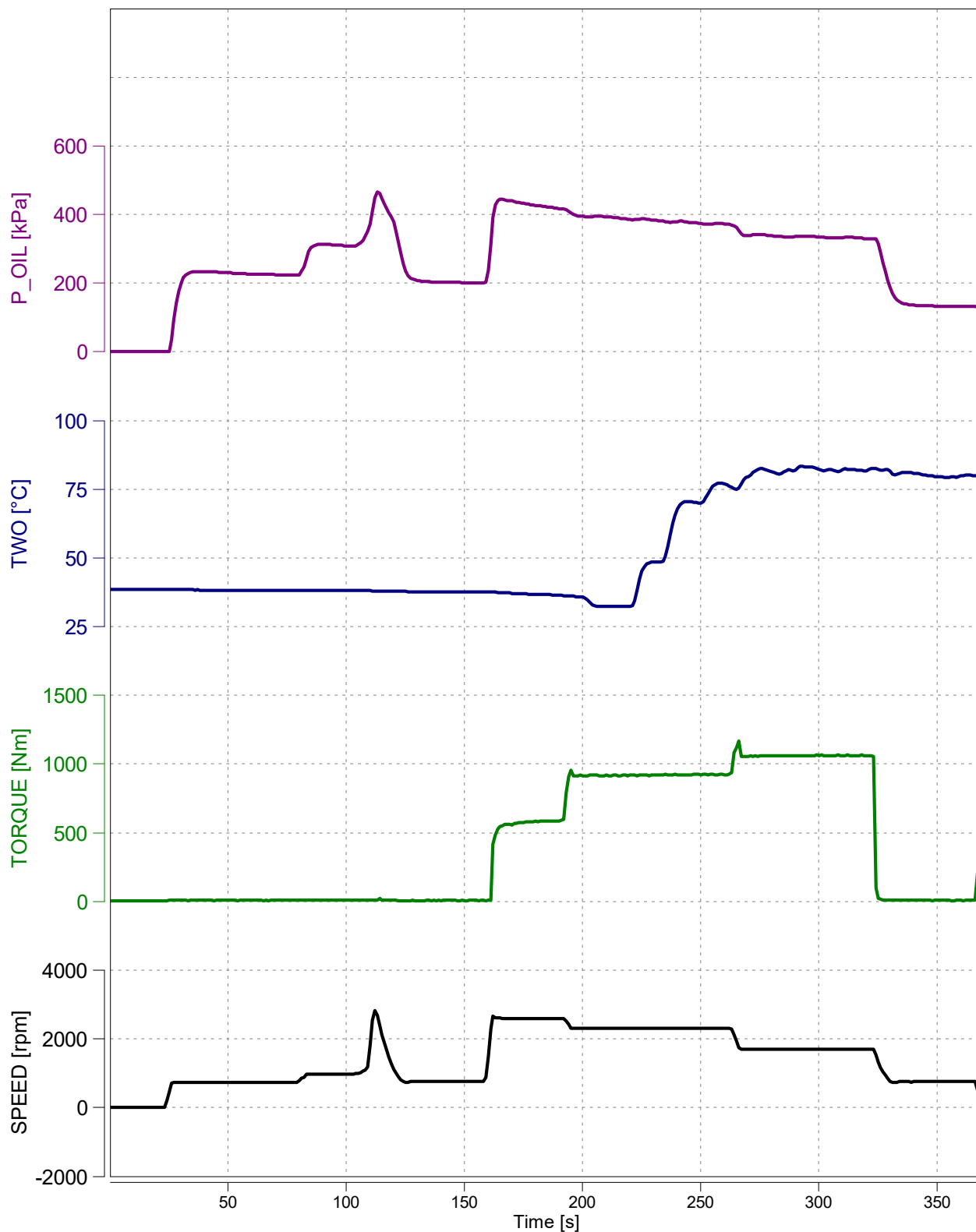
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Test Number: 3

## Overall Recorder





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	Unit	Lower Limit	Value	Upper Limit	Status
<b>LOW_IDLE</b>					
SPEED	rpm	698.00	749.91	810.00	PASSED
P_OIL	kPa	75.00	201.38		PASSED
OPA_ANLG	-		4.86		
<b>HIGH_IDLE</b>					
SPEED	rpm	2550.00	2600.09	2700.00	PASSED
P_OIL	kPa		420.83		
<b>RATED_HP</b>					
SPEED	rpm	2298.00	2299.96	2302.00	PASSED
P	kW	206.00	222.55	238.00	PASSED
FB_RATE	kg/h	35.00	54.58	66.00	PASSED
P_INTAKE	kPa		188.68		
P_OIL	kPa	275.00	372.95		PASSED
BLOW_VAL	kPa	0.10	1.26	3.00	PASSED
OPA_ANLG	-	0.00	4.86	15.00	PASSED
T_FUEL	°C	38.00	39.15	45.00	PASSED
P_FUEL	kPa		*		
T_TUR_IN	-		*		
<b>TORQUE_PEAK</b>					
SPEED	rpm		1700.00		
TORQUE	Nm	995.00	1063.02	1174.00	PASSED
FB_RATE	kg/h	23.00	39.70	50.00	PASSED
BLOW_VAL	kPa	0.10	1.17	3.00	PASSED
OPA_ANLG	-	0.00	4.86	15.00	PASSED
T_FUEL	°C	38.00	39.15	45.00	PASSED
P_FUEL	kPa		*		
T_TUR_IN	-		*		
<b>LOW_IDLE_2</b>					
SPEED	rpm	600.00	749.56	800.00	PASSED
P_OIL	kPa	100.00	132.95		PASSED
OPA_ANLG	-		4.86		