

ValveLink Batch Report

September 14, 2023  
09:21:53

administrator  
九江石化PX  
27075979

Status Monitor [1341-FV-81303] 1

14 Sep 2023 09:05:43 Batch

Monitor		Block Status		
Setpoint	0.00 %	TRANSDUCER		
Travel Dechar	0.52 %	Block Error	Simulate Active Needs Maintenance Now Needs Maintenance Soon Out Of Service Static Memory Fail	
Travel Target	-25.00 %			
Travel	0.52 % 2			
Setpoint_D	OPEN			
Travel_D	CLOSED			
Travel Deviation	0.52 % 3	Self Test	Integrator frozen Integrator Limited Low Integrator Limited High Travel Sensor Span Error MLFB Error Travel Sensor High Error Travel Sensor Low Error Pressure B Sensor Failure Pressure A Sensor Failure Supply Sensor Failure IOP Failure Simulate Jumper ON	
Pressure A	61.72 psi			
Pressure B	0.18 psi			
A Minus B	61.54 psi			
B Minus A	-61.54 psi			
Supply Pressure	61.68 psi 4			
Tvl Press State	Tvl			
Drive Signal	100.00 % 5			
Protection	None			
PD Inside Status	Running 6			
Travel Count	3095	RESOURCE		
Cycle Count	13039 counts			
Travel Accumulator	23150 % 7			
Input Characteristic	Linear 8	Block Error	Device State On-line Fault State Clear Write Lock Unlocked	
Temperature	91.98 F 9			
Travel Sensor	Detected			
Instrument		Simulate Active Device Fault State Set Device needs Maintenance Soon Memory Failure Lost Static Data Readback Check Failed Needs Maintenance Now Power-up Out Of Service		
TRANSDUCER				
Instrument Family	DVC6200f			
Tag Description	1341-FV-81303			
Calibration Person				
Calibration Loc.				
Calibration Date	2023-7-21 19:56:00 1 1			
Last Travel Calib Type	Auto			
RESOURCE				
Tag Description				
Field Serial Number	F003005609	REPORTS / FAULT ST / SOFT LOCK / PWA-STATUS		
Manufacturer	Fisher Controls			
Device Type	4602			
Device Revision	4			
Minimum DD Revision	1			
ITK Version	6			
Firmware Revision	3-01-013			
Standby Revision	2-00-023			
Hardware Revision	9			
Features				
Diagnostic Level	PD	AO/DO/AI/DI/PID/IS/OS/MAI/CS		
Function Blocks				
Travel Control Capable	Yes			
Travel w/Fallback Capable	Yes			
Pressure Control Capable	Yes			

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Config						Electronic					
	Alert	Enabled	Suppress	Actual	Alert Point		Alert	Enabled	Suppress	Actual	Alert Point
<b>Check Alert</b>						<b>Drive Current</b> 1 2					
Field Diagnostic Alert		Check	No			Field Diagnostic Alert		Failure	No		
Check Bit Alert		No				Drive Current		Yes		99.79 %	50.00 %
Output Block Timeout		No			600.00 sec	<b>Drive Signal</b>					
Blocks Set to Defaults		Yes				Field Diagnostic Alert		OffSpec	No		
<b>Shutdown Alert</b>						Drive Signal		Yes		100.00 %	
Drive Current		No				<b>Processor Impaired</b>					
Program Memory		No				Field Diagnostic Alert		Failure	No		
Static Memory		No				Program Memory		Yes			
Processor or I/O		No				Static Memory		Yes			
Travel Sensor		No		0.52 %		I/O Processor		Yes			
Output Pressure Sensor		No		61.72 psi		<b>Proximity</b>					
Output Block Timeout		No			600.00 sec		Alert	Enabled	Suppress	Actual	Alert Point
<b>Pressure/Temperature</b>						<b>Proximity Alerts</b>					
	Alert	Enabled	Suppress	Actual	Alert Point	Travel Open		No		0.52 %	98.00 %
<b>Supply Pressure</b> 1 2						Travel Closed		No		0.52 %	2.00 %
Field Diagnostic Alert		No	No			Proximity High High		No		0.52 %	125.00 %
Supply Pressure High		Yes		61.68 psi	145.00 psi	Proximity High		No		0.52 %	125.00 %
Supply Pressure Low		Yes		61.68 psi	19.00 psi	Proximity Low Low		No		0.52 %	-25.00 %
<b>Temperature Limit</b>						Proximity Low		No		0.52 %	-25.00 %
Field Diagnostic Alert		Maint	No			<b>Travel</b>					
Temperature High		Yes		91.98 F	186.80 F		Alert	Enabled	Suppress	Actual	Alert Point
Temperature Low		Yes		91.98 F	-63.40 F	<b>Latch Active</b>					
<b>Sensor</b>						Field Diagnostic Alert		Check	No		
	Alert	Enabled	Suppress	Actual	Alert Point	Latch Active		Yes			
<b>Travel Sensor</b> 1 2						<b>Travel Deviation</b>					
Field Diagnostic Alert		Failure	No			Field Diagnostic Alert		OffSpec	No		
Travel Sensor		Yes		0.52 %		Travel Deviation		Yes		0.52 %	5.00 %
<b>Output Pressure Sensor</b>						<b>Travel Limit</b>					
Field Diagnostic Alert		OffSpec	No			Field Diagnostic Alert		Maint	No		
Port A Pressure Sensor		Yes		61.72 psi		Travel Limit High High		No		0.52 %	125.00 %
Port B Pressure Sensor		Yes		0.18 psi		Travel Limit Low Low		No		0.52 %	-25.00 %
<b>Supply Pressure Sensor</b>						<b>Travel Limit High</b>					
Field Diagnostic Alert		O/M	No			Travel Limit High		No		0.52 %	125.00 %
Supply Pressure Sensor		Yes		61.68 psi		<b>Travel Limit Low</b>					
<b>Temperature Sensor</b>						Travel Limit Low		No		0.52 %	-25.00 %
Field Diagnostic Alert		Maint	No								
Temperature Sensor		Yes		91.98 F							
<b>Pressure Fallback Active</b>											
Field Diagnostic Alert		Maint	No								
Pressure Fallback Active		Yes		Tvl							

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	Travel History				
	Alert	Enabled	Suppress	Actual	Alert Point
<b>Movement History</b>					
Field Diagnostic Alert		OffSpec	No		
Travel Accumulator High		No		23150 %	1000000 %
Cycle Count High		No		13039 counts	1000000 counts
<b>Stroke History</b>					
Field Diagnostic Alert		No	No		
Open Stroke Time		No			0.00 sec
Closed Stroke Time		No			0.00 sec

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Status Monitor [1341-FV-81303]

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Perf Critical					
	Alert	Enabled	Suppress	Actual	Alert Point
<b>Performance Critical</b>	1 3				
Field Diagnostic Alert		Failure	No		
Performance Critical		Yes			
<b>Possible Cause</b>					
I/P					
I/P Primary Plugged					
I/P Nozzle Plugged					
I/P Latched					
Relay					
Relay Jammed					
Relay Cross Misadj					
Relay Bias Diaph Leak					
Relay Port A Diaph Leak					
Relay Port B Diaph Leak					
Valve and Actuator					
Valve Stuck Low/Sensor Arm Damage					
Valve Stuck High/Sensor Arm Damage					
Piston Ring Leak					
Supply and External Tubing					
Low Supply Pressure					
External Leak					
SOV Trip					
Air Line Blocked					
Miscellaneous					
Unknown					

Perf Info						Perf Reduced					
	Alert	Enabled	Suppress	Actual	Alert Point		Alert	Enabled	Suppress	Actual	Alert Point
<b>Performance Information</b>	1 3					<b>Performance Reduced</b>	1 3				
Field Diagnostic Alert		Check	No			Field Diagnostic Alert		OffSpec	No		
Performance Information		Yes				Performance Reduced		Yes			
<b>Possible Cause</b>						<b>Possible Cause</b>					
PDInside Not Running						I/P					
Spec Sheet Fields Incomplete						I/P Primary Plugging					
Sensor Failure						I/P Nozzle Plugging					
PD Run Disabled						I/P Calibration Shift					
Supply and External Tubing						Relay					
High Supply Pressure						Relay Cross Misadj					
Miscellaneous						Relay Port A Diaph Leak					
Triggered Data Available						Relay Port B Diaph Leak					
<b>Other Information</b>						Valve and Actuator					
PDInside Not Running						Piston Ring Leak					
Not Authorized for PD						Supply and External Tubing					
Transducer Block Mode OOS						Low Supply Pressure					
Pressure control active						External Leak					
Near a Travel Cutoff or Stop	Active					Miscellaneous					
Air Mass Flow Not Calculated						Travel Calibration Shift					
Relay Disengaged						Unknown					
Insufficient Pressure Differential											
Travel Calibration Error											

ValveLink Batch Report

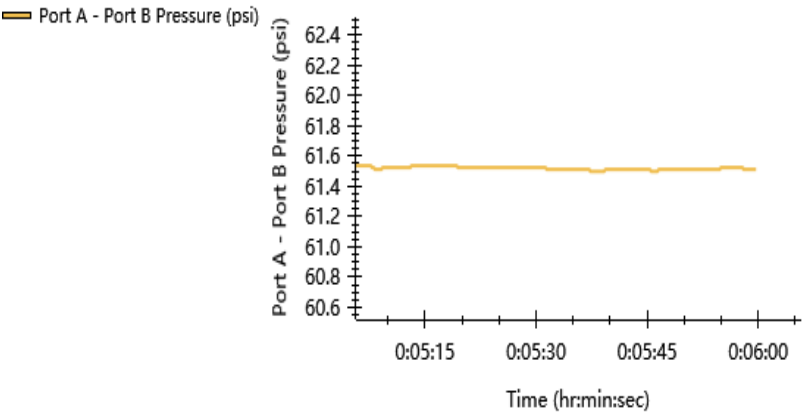
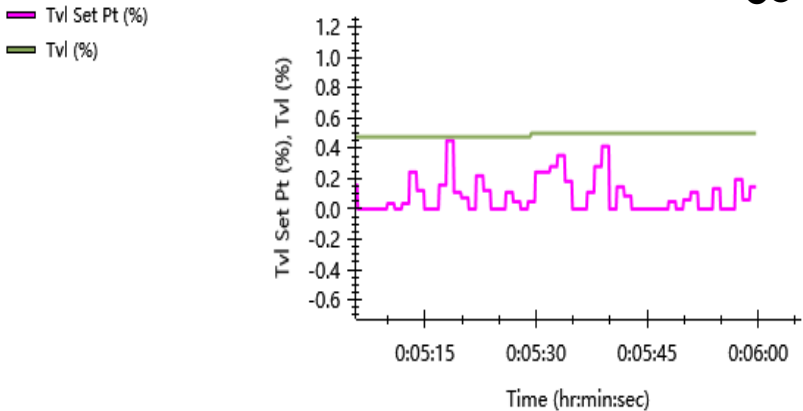
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Valve Friction Performance Diagnostic [1341-FV-81303]

14 Sep 2023 09:05:55 Batch

1 4



Avg. Friction: N/A 1 5

Avg. Dead Band: N/A 1 6

No Performance Critical or Reduced Alerts Active

No Active Alerts Detected

Supply Pressure OK

Analysis In Progress

A friction estimate will be reported when a sufficient number of travel reversals have taken place to compute a reliable value.

# ValveLink Batch Report

September 14, 2023

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## Status Monitor [1341-FV-82601]

14 Sep 2023 09:15:06 Batch

### Monitor

Setpoint	48.56 %
Travel Dechar	49.34 %
Travel Target	48.57 %
Travel	49.34 %
Setpoint_D	CLOSED
Travel_D	50 %
Travel Deviation	0.77 %
Pressure A	291.68 kPa
Pressure B	306.20 kPa
A Minus B	-14.51 kPa
B Minus A	14.51 kPa
Supply Pressure	410.92 kPa
Tvl Press State	Tvl
Drive Signal	64.66 %
Protection	None
PD Inside Status	Running
Travel Count	8218
Cycle Count	50 counts
Travel Accumulator	2471 %
Input Characteristic	Linear
Temperature	28.21 C
Travel Sensor	Detected

### Instrument

#### TRANSDUCER

Instrument Family	DVC6200f
Tag Description	F003711024
Calibration Person	
Calibration Loc.	
Calibration Date	2023-8-3 21:13:00
Last Travel Calib Type	Auto

#### RESOURCE

Tag Description	
Field Serial Number	F003711024
Manufacturer	Fisher Controls
Device Type	4602
Device Revision	4
Minimum DD Revision	1
ITK Version	6
Firmware Revision	3-01-013
Standby Revision	2-00-023
Hardware Revision	9
Features	REPORTS / FAULT ST / SOFT LOCK / PWA-STATUS
Diagnostic Level	PD
Function Blocks	AO/DO/AI/DI/PID/IS/OS/MAI/CS
Travel Control Capable	Yes
Travel w/Fallback Capable	Yes
Pressure Control Capable	Yes

### Block Status

#### TRANSDUCER

#### Block Error

Simulate Active
Needs Maintenance Now
Needs Maintenance Soon
Out Of Service
Static Memory Fail

#### Self Test

Integrator frozen
Integrator Limited Low
Integrator Limited High
Travel Sensor Span Error
MLFB Error
Travel Sensor High Error
Travel Sensor Low Error
Pressure B Sensor Failure
Pressure A Sensor Failure
Supply Sensor Failure
IOP Failure
Simulate Jumper ON

#### RESOURCE

Device State	On-line
Fault State	Clear
Write Lock	Unlocked

#### Block Error

Simulate Active
Device Fault State Set
Device needs Maintenance Soon
Memory Failure
Lost Static Data
Readback Check Failed
Needs Maintenance Now
Power-up
Out Of Service

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Status Monitor [1341-FV-82601]

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Config						Electronic					
	Alert	Enabled	Suppress	Actual	Alert Point		Alert	Enabled	Suppress	Actual	Alert Point
Check Alert						Drive Current					
Field Diagnostic Alert		Check	No			Field Diagnostic Alert		Failure	No		
Check Bit Alert		No				Drive Current		Yes		64.25 %	50.00 %
Output Block Timeout		No			600.00 sec	Drive Signal					
Blocks Set to Defaults		Yes				Field Diagnostic Alert		OffSpec	No		
Shutdown Alert						Drive Signal		Yes		64.66 %	
Drive Current		No				Processor Impaired					
Program Memory		No				Field Diagnostic Alert		Failure	No		
Static Memory		No				Program Memory		Yes			
Processor or I/O		No				Static Memory		Yes			
Travel Sensor		No		49.34 %		I/O Processor		Yes			
Output Pressure Sensor		No		291.68 kPa							
Output Block Timeout		No			600.00 sec						
Pressure/Temperature						Proximity					
	Alert	Enabled	Suppress	Actual	Alert Point		Alert	Enabled	Suppress	Actual	Alert Point
Supply Pressure						Proximity Alerts					
Field Diagnostic Alert	Mainten	Maint	No			Travel Open		No		49.34 %	98.00 %
Supply Pressure High		Yes		410.92 kPa	999.74 kPa	Travel Closed		No		49.34 %	2.00 %
Supply Pressure Low	Active	Yes		410.92 kPa	599.99 kPa	Proximity High High		No		49.34 %	125.00 %
Temperature Limit						Proximity High		No		49.34 %	125.00 %
Field Diagnostic Alert		Maint	No			Proximity Low Low		No		49.34 %	-25.00 %
Temperature High		Yes		28.21 C	65.00 C	Proximity Low		No		49.34 %	-25.00 %
Temperature Low		Yes		28.21 C	-53.00 C						
Sensor						Travel					
	Alert	Enabled	Suppress	Actual	Alert Point		Alert	Enabled	Suppress	Actual	Alert Point
Travel Sensor						Latch Active					
Field Diagnostic Alert		Failure	No			Field Diagnostic Alert		Check	No		
Travel Sensor		Yes		49.34 %		Latch Active		Yes			
Output Pressure Sensor						Travel Deviation					
Field Diagnostic Alert		OffSpec	No			Field Diagnostic Alert		OffSpec	No		
Port A Pressure Sensor		Yes		291.68 kPa		Travel Deviation		Yes		0.77 %	5.00 %
Port B Pressure Sensor		Yes		306.20 kPa		Travel Limit					
Supply Pressure Sensor						Field Diagnostic Alert		Maint	No		
Field Diagnostic Alert		O/M	No			Travel Limit High High		No		49.34 %	125.00 %
Supply Pressure Sensor		Yes		410.92 kPa		Travel Limit Low Low		No		49.34 %	-25.00 %
Temperature Sensor						Travel Limit High					
Field Diagnostic Alert		Maint	No			Travel Limit High		No		49.34 %	125.00 %
Temperature Sensor		Yes		28.21 C		Travel Limit Low					
Pressure Fallback Active						Travel Limit Low		No		49.34 %	-25.00 %
Field Diagnostic Alert		Maint	No								
Pressure Fallback Active		Yes		Tvl							

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Status Monitor [1341-FV-82601]

14 Sep 2023 09:15:06 Batch

	Travel History				
	Alert	Enabled	Suppress	Actual	Alert Point
<b>Movement History</b>					
Field Diagnostic Alert		OffSpec	No		
Travel Accumulator High		No		2471 %	1000000 %
Cycle Count High		No		50 counts	1000000 counts
<b>Stroke History</b>					
Field Diagnostic Alert		No	No		
Open Stroke Time		No			0.00 sec
Closed Stroke Time		No			0.00 sec



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Status Monitor [1341-FV-82601]

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Perf Critical					
	Alert	Enabled	Suppress	Actual	Alert Point
Performance Critical					
Field Diagnostic Alert		Failure	No		
Performance Critical		Yes			
Possible Cause					
I/P					
I/P Primary Plugged					
I/P Nozzle Plugged					
I/P Latched					
Relay					
Relay Jammed					
Relay Cross Misadj					
Relay Bias Diaph Leak					
Relay Port A Diaph Leak					
Relay Port B Diaph Leak					
Valve and Actuator					
Valve Stuck Low/Sensor Arm Damage					
Valve Stuck High/Sensor Arm Damage					
Piston Ring Leak					
Supply and External Tubing					
Low Supply Pressure					
External Leak					
SOV Trip					
Air Line Blocked					
Miscellaneous					
Unknown					

Perf Info					
	Alert	Enabled	Suppress	Actual	Alert Point
Performance Information					
Field Diagnostic Alert	C	Check	No		
Performance Information	Active	Yes			
Possible Cause					
PDInside Not Running					
Spec Sheet Fields Incomplete					
Sensor Failure					
PD Run Disabled					
Supply and External Tubing					
High Supply Pressure					
Miscellaneous					
Triggered Data Available	Active				
Other Information					
PDInside Not Running					
Not Authorized for PD					
Transducer Block Mode OOS					
Pressure control active					
Near a Travel Cutoff or Stop					
Air Mass Flow Not Calculated					
Relay Disengaged					
Insufficient Pressure Differential					
Travel Calibration Error					

Perf Reduced					
	Alert	Enabled	Suppress	Actual	Alert Point
Performance Reduced					
Field Diagnostic Alert		OffSpec	No		
Performance Reduced		Yes			
Possible Cause					
I/P					
I/P Primary Plugging					
I/P Nozzle Plugging					
I/P Calibration Shift					
Relay					
Relay Cross Misadj					
Relay Port A Diaph Leak					
Relay Port B Diaph Leak					
Valve and Actuator					
Piston Ring Leak					
Supply and External Tubing					
Low Supply Pressure					
External Leak					
Miscellaneous					
Travel Calibration Shift					
Unknown					

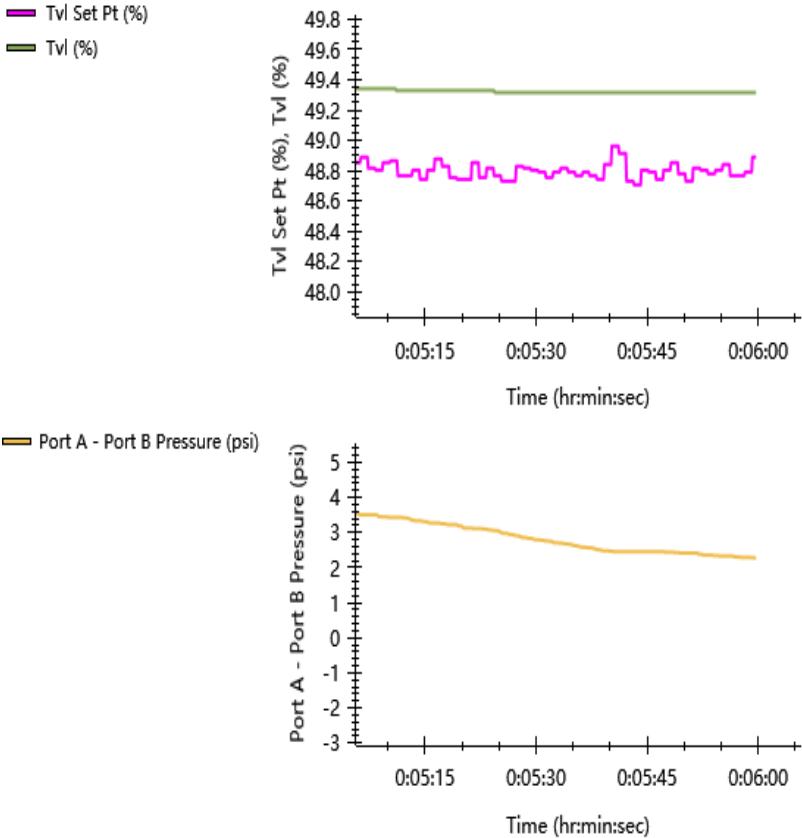
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Valve Friction Performance Diagnostic [1341-FV-82601]

14 Sep 2023 09:15:16 Batch



Avg. Friction: N/A  
Avg. Dead Band: N/A

No Performance Critical or Reduced Alerts Active

No Active Alerts Detected

High Supply Pressure

Supply pressure exceeds 125% of sensor range.  
Possible Cause(s):  
High Supply Pressure  
Check specified sensor range. (From the main menu, select Instrument Setup | Detailed Setup | Transducer Block | Instrument.)  
Decrease the supply pressure. Supply pressure should be 5 psig above the operating range. For piston actuators, supply pressure should be at least 40 psig.  
Check the calibration of the supply pressure sensor.

Analysis In Progress

A friction estimate will be reported when a sufficient number of travel reversals have taken place to compute a reliable value.