

# Cat Electronic Technician 2019B v1.0

## Product Status Report

6/3/2020 9:17 AM

### Product Status Report

Parameter	Value
Product ID	N9D00745
Equipment ID	140M3
Comments	

### Implement 140M3 (N9D00745)

Parameter	Value
Product ID	N9D00745
Equipment ID	140M3
ECM Part Number	3656773-04
ECM Serial Number	19266086VD
ECM Location Code	2
Software Group Part Number	5608976-00
Software Group Release Date	APR2018
Software Group Description	140 MG Master Impl Cntl

### Logged Diagnostic Codes [Diagnostic Clock = 3951 hours] - Implement 140M3 (N9D00745)

Code	Description	Occ.	First	Last
246- 9	Proprietary CAN Data Link : Abnormal Update Rate	1	3945	3945
871- 9	Inclination Sensor : Abnormal Update Rate	1	3945	3945
908- 9	Blade Rotation Position Sensor : Abnormal Update Rate	1	3945	3945
2150- 3	Blade Left Lift Lever Position Sensor : Voltage Above Normal	1	3945	3945
3694- 9	Blade Slope Sensor : Abnormal Update Rate	1	3945	3945

### Logged Event Codes [Diagnostic Clock = 3951 hours] - Implement 140M3 (N9D00745)

Code	Description	Occ.	First	Last
No Logged Event Codes				

### Active Diagnostic Codes - Implement 140M3 (N9D00745)

Code	Description
No Active Diagnostic Codes	

### Active Event Codes - Implement 140M3 (N9D00745)

Code	Description
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No Active Event Codes	
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**Current Totals - Implement 140M3 (N9D00745)**

Description	Value	Unit
Total Operating Hours	3952	hours

**Configuration - Implement 140M3 (N9D00745)**

Description	Value	Unit
Grade Control On Joystick Attachment Enable Status	Enabled	
Auxiliary Valve #1 Control Lever Configuration	Not Installed	
Auxiliary Valve #2 Control Lever Configuration	Lever #7	
Auxiliary Valve #3 Control Lever Configuration	Not Installed	
Auxiliary Valve #4 Control Lever Configuration	Not Installed	
Auxiliary Valve #5 Control Lever Configuration	Not Installed	
Auxiliary Valve #6 Control Lever Configuration	Not Installed	
Auxiliary Valve #7 Control Lever Configuration	Not Installed	
Auxiliary Lever #1 Float Enable Status	Disabled	
Auxiliary Lever #4 Float Enable Status	Disabled	
Auxiliary Lever #6 Float Enable Status	Disabled	
Auxiliary Lever #9 Float Enable Status	Disabled	
Auxiliary Valve #1 Float Installation Status	Not Installed	
Auxiliary Valve #2 Float Installation Status	Not Installed	
Auxiliary Valve #3 Float Installation Status	Not Installed	
Auxiliary Valve #4 Float Installation Status	Not Installed	
Auxiliary Valve #5 Float Installation Status	Not Installed	
Auxiliary Valve #6 Float Installation Status	Not Installed	
Auxiliary Control Pod Enable Status	Enabled	
Auxiliary Lever #8 Direction Control Mode	Normal	
Auxiliary Lever #9 Direction Control Mode	Normal	
Ripper AutoStow Enable Status	Disabled	
Machine Shipping Mode Enable Status	Disabled	
Blade Pitch Lockout Status	Not Locked Out	
Blade Sideshift Lockout Status	Not Locked Out	
Circle Sideshift Lockout Status	Not Locked Out	
Wheel Lean Lockout Status	Not Locked Out	
Blade Rotation Angle Limit Enable Status	Disabled	
Blade Rotation Angle Limit	33.00	Deg
AccuGrade System Installation Status	Installed	
AccuGrade Enable Status	Enabled	
AccuGrade Temporary Installation Status	Unavailable	
Window Defroster Installation Status	Not Installed	

Heated Side Rear View Mirrors Installation Status	Not Installed	
Operator Seat Belt Monitor Installation Status	Installed	
Cross Slope Control System Installation Status	Installed	
Cross Slope Control System Temporary Installation Status	Unavailable	
Cross Slope Control System Enable Status	Enabled	
Blade Cross Slope Angle Offset Switch Adjustment	0.2	%
Drawbar Length	90	inches
Blade Width	14.199	feet
Lift Cylinder Ball Stud Distance	58	inches

### Calibration Status - Implement 140M3 (N9D00745)

Calibration	Status	Last Successful Completion
Wheel Lean Left Solenoid Calibration	Success	1.8 hours
Wheel Lean Right Solenoid Calibration	Success	1.8 hours
Circle Sideshift Left Solenoid Calibration	Success	1.8 hours
Circle Sideshift Right Solenoid Calibration	Success	1.8 hours
Blade Pitch Backward Solenoid Calibration	Success	1.8 hours
Blade Pitch Forward Solenoid Calibration	Success	1.7 hours
Blade Sideshift Left Solenoid Calibration	Success	1.7 hours
Blade Sideshift Right Solenoid Calibration	Success	1.7 hours
Blade Left Raise Solenoid Calibration	Success	1.7 hours
Blade Right Raise Solenoid Calibration	Success	1.7 hours
Circle Left Solenoid Calibration	Success	1.7 hours
Circle Right Solenoid Calibration	Success	1.7 hours
Blade Left Lower Float Solenoid Calibration	Success	1.7 hours
Blade Left Lower Solenoid Calibration	Success	1.7 hours
Blade Right Lower Float Solenoid Calibration	Success	1.7 hours
Blade Right Lower Solenoid Calibration	Success	1.7 hours
Slope Sensors Calibration	Success	1.5 hours
Right Lift Valve Calibration	Success	2.1 hours
Left Lift Valve Calibration	Success	2.1 hours
Blade Rotation Angle Sensor Calibration	Success	1.5 hours

Auxiliary Valve #6 Port A Solenoid	Not Calibrated	Never Successfully Calibrated
Auxiliary Valve #6 Port B Solenoid	Not Calibrated	Never Successfully Calibrated
Auxiliary Valve #5 Port A Solenoid	Not Calibrated	Never Successfully Calibrated
Auxiliary Valve #5 Port B Solenoid	Not Calibrated	Never Successfully Calibrated
Auxiliary Valve #4 Port A Solenoid	Not Calibrated	Never Successfully Calibrated
Auxiliary Valve #4 Port B Solenoid	Not Calibrated	Never Successfully Calibrated
Auxiliary Valve #3 Port A Solenoid	Not Calibrated	Never Successfully Calibrated
Auxiliary Valve #3 Port B Solenoid	Not Calibrated	Never Successfully Calibrated
Auxiliary Valve #2 Port A Solenoid	Success	1.6 hours
Auxiliary Valve #2 Port B Solenoid	Success	1.5 hours
Auxiliary Valve #1 Port A Solenoid	Not Calibrated	Never Successfully Calibrated
Auxiliary Valve #1 Port B Solenoid	Not Calibrated	Never Successfully Calibrated

**Product Link Elite (N9D00745)**

Parameter	Value
Product ID	N9D00745
Machine Serial Number	
Equipment ID	140M3
ECM Part Number	4590786-02
ECM Serial Number	1826F531TR
Software Group Part Number	5865314-00
Software Group Release Date	Sep2019
Software Group Description	VIMS_TELEMATICS_2019_09_25
Application Software Part Number	5220178-50
Cellular Device ECM Serial Number	2656S179YD
Cellular Device ECM Hardware Part Number	4402104-14
Cellular Radio Module Software Part Number	5964600-00
Satellite Device ECM Serial Number	NA
Satellite Device ECM Hardware Part Number	NA
Satellite Radio Module Software Part Number	NA
Wi-Fi Radio Hardware Serial Number	NA
Wi-Fi Radio Hardware Part Number	NA
Wi-Fi Radio Software Part Number	NA

**Logged Diagnostic Codes [Total Operating Hours = 3951 hours] - Product Link Elite (N9D00745)**

Code	Description	Occ.	First	Last
No Logged Diagnostic Codes				

Logged Event Codes [Total Operating Hours = 3951 hours] - Product Link Elite (N9D00745)

Code	Description	Occ.	First	Last
No Logged Event Codes				

Active Diagnostic Codes - Product Link Elite (N9D00745)

Code	Description
No Active Diagnostic Codes	

Active Event Codes - Product Link Elite (N9D00745)

Code	Description
No Active Event Codes	

Current Totals - Product Link Elite (N9D00745)

Description	Value	Unit
Total Operating Hours	3951.8	hours
Total Distance	5601.35	Miles

Configuration - Product Link Elite (N9D00745)

Description	Value	Unit
Product ID	N9D00745	
Equipment ID	140M3	
CAT Data Link Module Identifier Configuration	Gateway #1	
Machine Serial Number		
Maintenance Mode	Off	
Machine Payload Control System Installation Status	Not Installed	
Target Payload	0.0	ton
Road Analysis System Installation Status	Not Installed	
Tire Analysis System Installation Status	Not Installed	
Tire Analysis System Temporary Installation Status	Not Installed	
Tire Analysis System Temporary Installation Time Remaining	15000	min
Security System Tamper Resistant Configuration	Not Installed	
External Service Lamp Installation Configuration	Installed	
External Service Lamp Display Mode Setting	No Snapshot Notice	
GPS Surge Suppression Antenna Installation Status	Unavailable	
Cellular Surge Suppression Antenna Installation Status	Unavailable	
Telemetry Feature Installation Status	Not Installed	
Tire Monitoring System Installation Status	Unavailable	

Mining Aftermarket System Installation Status	Unavailable	
Production Measurement Feature Installation Status	Unavailable	

### Trans/Chassis 140 (CM303207)

Parameter	Value
Product ID	N9D00745
Equipment ID	140M3
Transmission Serial Number	CM303207
ECM Part Number	3656773-04
ECM Serial Number	20966134VD
ECM Location Code	1
Software Group Part Number	5608973-00
Software Group Release Date	APR2018
Software Group Description	140 MG Chassis/Trans

### Logged Diagnostic Codes [Diagnostic Clock = 3951 hours] - Trans/Chassis 140 (CM303207)

Code	Description	Occ.	First	Last
1471- 3	Steering Control Position Sensor #1 : Voltage Above Normal	1	3945	3945
1472- 3	Steering Control Position Sensor #2 : Voltage Above Normal	1	3945	3945

### Logged Event Codes [Diagnostic Clock = 3951 hours] - Trans/Chassis 140 (CM303207)

Code	Description	Occ.	First	Last
E192 (3)	Steering System Malfunction	1	3945	3945
E1560 (3)	Low Brake Pressure Due to Low Engine Speed	1	3950	3950

### Active Diagnostic Codes - Trans/Chassis 140 (CM303207)

Code	Description
No Active Diagnostic Codes	

### Active Event Codes - Trans/Chassis 140 (CM303207)

Code	Description
E1387 (1)	Operator Seat Belt Unfastened While Machine is Idle

### Current Totals - Trans/Chassis 140 (CM303207)

Description	Value	Unit
Total Operating Hours	3952	hours
Total Hours Coasting In Neutral	6	hours
Machine Idle Time	1303.65	hours
Total Forward Distance	7663.06	Miles
Total Reverse Distance	1057.82	Miles
Total Distance	8720.88	Miles

### Configuration - Trans/Chassis 140 (CM303207)

Description	Value	Unit
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Transmission Serial Number	CM303207	
Autoshift Feature Installation Status	Not Installed	
Transmission Maximum Forward Gear	8	
Transmission Maximum Reverse Gear	6	
Transmission Initial Forward Gear	3	
Transmission Initial Reverse Gear	3	
Clutch #1 Hold Level Current Command	0.130	Amps
Clutch #2 Hold Level Current Command	0.140	Amps
Clutch #3 Hold Level Current Command	0.145	Amps
Machine Speed Limit	50	mph
Machine Speed Correction Factor	0.0000	%
Inching Pedal Neutralizer Enable Status	Disabled	
Stable Blade Feature Installation Status	Not Installed	
Stable Blade Enable Status	Disabled	
Stable Blade Sensitivity Setting	50	%
Transmission Deaeration System Installation Status	Not Installed	
Transmission Oil Type Configuration	TDTO SAE 30	
Air Conditioning System Installation Status	Installed	
Battery Cable Shield Monitoring System Installation	Not Installed	
Cold Engine Parasitic Load Reduction Installation	Not Installed	
Forced Fuel Economy Mode Configuration	Not Forced	
Economy Mode	Off	
Total Tattletale	0	

**Lifetime:Time vs Actual Gear - Trans/Chassis 140 (CM303207)**

Actual Gear( )	hours	%
1R	11.90	0.46
2R	74.95	2.93
3R	358.75	14.01
4R	7.85	0.31
5R	0.60	0.02
6R	0.00	0.00
1F	42.50	1.66
2F	223.45	8.73
3F	1277.75	49.91
4F	309.00	12.07
5F	215.25	8.41
6F	32.60	1.27
7F	4.70	0.18
8F	0.70	0.03

**Shift Count Matrix - Trans/Chassis 140 (CM303207)**

To	N	R1	R2	R3	R4	R5	R6	1	2	3	4	5	6	7	8
From															
N	---	1241	5662	3658 9	6	1	0	989	4797	3668 2	111	47	10	2	1

R1	695	---	832	2	0	0	0	1145	0	0	0	0	0	0	0
R2	4458	111	---	1048	0	0	0	3	8127	0	0	0	0	0	0
R3	2703 9	17	505	---	1258	0	0	2	7	4360 0	0	0	0	0	0
R4	472	0	1	93	---	106	0	0	1	623	0	0	0	0	0
R5	39	0	0	0	32	---	5	0	0	33	0	0	0	0	0
R6	0	0	0	0	0	2	---	0	0	2	0	0	0	0	0
1	1400	1301	1	0	0	0	0	---	607	15	19	0	0	0	0
2	6459	1	6749	1	0	0	0	1057	---	2210	0	0	0	0	0
3	3696 6	3	1	3260 0	0	0	0	107	2924	---	1383 8	0	0	0	0
4	5040	0	0	1630	0	0	0	32	14	2565	---	6048	6	0	0
5	3094	0	0	433	0	0	0	10	17	722	1363	---	1019	15	21
6	374	0	0	42	0	0	0	2	0	4	10	568	---	185	0
7	24	0	0	4	0	0	0	0	1	0	1	18	150	---	49
8	4	0	0	0	0	0	0	0	0	0	0	21	1	45	---

### Counters - Trans/Chassis 140 (CM303207)

Description	Value
Parking Brake Solenoid Cycles	7364
Starter Relay Cycles	3919
Service Brake Pedal Switch Cycles	74141
Number of Cold Temperature Transmission Filter Bypasses	0
Total Cold Temperature Transmission Oil Filter Bypass Hours	0
Total Overspeed Protective Upshift Count	60
Total Underspeed Protective Downshift Count	2334

### C9 140M3 (SYE15026)

Parameter	Value
Equipment ID	140M3
Engine Serial Number	SYE15026
ECM Part Number	4176020-00
ECM Serial Number	17366201VJ
Software Group Part Number	5560564-00
Software Group Release Date	MAR18
Software Group Description	MG-140M3
Operator Inducement Regulation Configuration	Worldwide

### Logged Diagnostic Codes [Diagnostic Clock = 3951 hours] - C9 140M3 (SYE15026)

Code	Description	Occ.	First	Last
2348- 9	SAE J1939 Data Link #2 : Abnormal Update Rate	2	3941	3945
3548- 9	Aftertreatment Cooling Fan Control Module : Abnormal Update Rate	2	3941	3945

### Logged Event Codes [Diagnostic Clock = 3951 hours] - C9 140M3 (SYE15026)

Code	Description	Occ.	First	Last
No Logged Event Codes				



### Active Diagnostic Codes - C9 140M3 (SYE15026)

Code	Description
No Active Diagnostic Codes	

### Active Event Codes - C9 140M3 (SYE15026)

Code	Description
No Active Event Codes	

### System Communication Status - Active Problems - C9 140M3 (SYE15026)

ECMs	Detected Problem	Data Link	Diagnostic Information
No issues were reported			

### System Communication Status - Inactive Problems - C9 140M3 (SYE15026)

ECMs	Detected Problem	Data Link	Diagnostic Information
No issues were reported			

### Current Totals - C9 140M3 (SYE15026)

Description	Value	Unit
Total Idle Time	1310:21	hours
Total Fuel	9582	gal
Total Engine #1 Fuel	9359	gal
Total Idle Fuel	1317	gal
Total Max Fuel	47024	gal
Engine Lifetime Hours	3948.9	hours
Average Load Factor	18	%
Engine Starts	3809	
Lifetime Total Engine Revolutions	281054768	rev
Total Operating Hours	3952	hours
Operator Inducement Emergency Override Total Activations	0	
Operator Inducement Emergency Override Total Resets	0	
Total Engine Idle Shutdown Count	0	
Total Engine Idle Shutdown Overrides Count	0	
Total Delayed Engine Shutdown Count	299	
Total Delayed Engine Shutdown Overrides Count	11	
Starts/Hour	0.96	
Average RPM	1186.22	rpm
Percentage Idle Time	33.17	%

Average Fuel Rate	2.43	gal/h
Overall Load Factor	20	%
SCR Operator Inducement Emergency Override Total Activation Time	0	sec

### Configuration - C9 140M3 (SYE15026)

Description	Value	Unit
Equipment ID	140M3	
Engine Serial Number	SYE15026	
ECM Part Number	4176020-00	
ECM Serial Number	17366201VJ	
Software Group Part Number	5560564-00	
Software Group Release Date	MAR18	
Software Group Description	MG-140M3	
Rating Number	1	
Rated Power	232 hp at 2000 rpm	
Rated Peak Torque	850 lb-ft at 1000 rpm	
Low Idle Speed	800	rpm
High Idle Speed	2150	rpm
Ether Solenoid Configuration	Not Installed	
Crankcase Pressure Sensor Installation Status	Not Installed	
Ambient Air Temperature Sensor Installation Status	Not Installed	
Fuel/Water Separator Switch Installation Status	Not Installed	
Low System Battery Voltage Elevated Idle	Enabled	
Engine Warm Up Elevated Idle Feature Enable Status	Enabled	
All Wheel Drive System Installation Status	Not Installed	
Engine Idle Shutdown Enable Status	Disabled	
Engine Idle Shutdown Delay Time	5.0	min
Delayed Engine Shutdown Enable Status	Enabled	
Delayed Engine Shutdown Maximum Time	7.0	min
Engine Cooling Fan Map	Standard	
Engine Fan Reversing Feature Installation Status	Not Installed	
Engine Fan Suspend Purge	Disabled	
Engine Fan Manual Purge	Enabled	
Engine Fan Purge Cycle Duration	20.0	sec
Engine Fan Purge Cycle Interval	3600	sec
ARD Manual Disable Status	Not Disabled	
High Soot Load Aftertreatment Protection Enable Status	Enabled	
Operator Inducement Progress Configuration	Reduced Performance	
Operator Inducement Regulation Configuration	Worldwide	
Operator Inducement Emergency Override Enable Status	Disabled	

Operator Inducement Emergency Override Activation	Not Activated	
Operator Final Inducement Action	Idle	
Delayed Engine Shutdown Aftertreatment Gas Temperature Threshold	590.0	Deg F
Aftertreatment #1 DEF Quality Sensor Installation Status	Not Installed	
DPF Type	Unavailable	
System Operating Voltage Configuration	24 Volt	
FLS	-21	
FTS	-1	
CAN Communication Protocol Write Security	Seed and Key Access	
CAN Communication Protocol Read Security	Seed and Key Access	
Total Tattletale	314	

#### Lifetime:Accumulated Time vs Intake Manifold Pressure - C9 140M3 (SYE15026)

Intake Manifold Pressure( psi )	hours	%
<11.603	0.60	27.91
11.603-13.052	0.20	9.30
13.053-14.503	0.20	9.30
14.504-15.953	0.25	11.63
15.954-17.404	0.20	9.30
17.405-18.854	0.20	9.30
18.855-20.304	0.20	9.30
20.305-21.755	0.15	6.98
21.756-23.205	0.05	2.33
23.206-24.655	0.00	0.00
24.656-26.106	0.00	0.00
26.107-27.556	0.05	2.33
27.557-29.007	0.05	2.33
29.008-30.457	0.00	0.00
30.458-31.907	0.00	0.00
31.908-33.358	0.00	0.00
33.359-34.808	0.00	0.00
34.809-36.258	0.00	0.00
36.259-37.709	0.00	0.00
37.710-39.159	0.00	0.00
39.160-40.610	0.00	0.00
40.611-42.060	0.00	0.00
42.061-43.510	0.00	0.00
43.511-44.961	0.00	0.00
44.962-46.411	0.00	0.00
46.412-47.861	0.00	0.00
47.862-49.312	0.00	0.00
49.313-50.762	0.00	0.00
50.763-52.213	0.00	0.00
52.214-53.663	0.00	0.00

53.664-55.113	0.00	0.00
55.114-56.564	0.00	0.00
56.565-58.014	0.00	0.00
58.015-59.464	0.00	0.00
59.465-60.915	0.00	0.00
60.916-62.365	0.00	0.00
62.366-63.816	0.00	0.00
63.817-65.266	0.00	0.00
65.267-66.716	0.00	0.00
66.717-68.167	0.00	0.00
68.168-69.617	0.00	0.00
69.618-71.067	0.00	0.00
71.068-72.518	0.00	0.00
72.519-73.968	0.00	0.00
73.969-75.419	0.00	0.00
75.420-76.869	0.00	0.00
76.870-78.319	0.00	0.00
78.320-79.770	0.00	0.00
79.771-81.220	0.00	0.00
81.221-82.670	0.00	0.00
82.671-84.121	0.00	0.00
84.122-85.571	0.00	0.00
85.572-87.023	0.00	0.00
>87.023	0.00	0.00

**Lifetime:Accumulated Time vs Engine Coolant Temperature - C9 140M3 (SYE15026)**

<b>Engine Coolant Temperature( Deg F )</b>	<b>hours</b>	<b>%</b>
<32.00	0.40	0.01
32.00-40.99	0.00	0.00
41.00-49.99	0.05	0.00
50.00-58.99	0.25	0.01
59.00-67.99	0.95	0.03
68.00-76.99	1.95	0.06
77.00-85.99	4.05	0.13
86.00-94.99	7.50	0.23
95.00-103.99	11.30	0.35
104.00-112.99	12.65	0.39
113.00-121.99	16.55	0.51
122.00-130.99	28.75	0.89
131.00-139.99	50.75	1.57
140.00-148.99	69.30	2.15
149.00-157.99	74.15	2.30
158.00-166.99	97.60	3.02
167.00-175.99	787.35	24.38
176.00-184.99	2064.30	63.93
185.00-193.99	0.80	0.02
194.00-202.99	0.05	0.00

203.00-211.99	0.15	0.00
212.00-220.99	0.00	0.00
221.00-229.99	0.00	0.00
230.00-238.99	0.00	0.00
239.00-247.99	0.00	0.00
248.00-256.99	0.00	0.00
257.00-265.99	0.00	0.00
266.00-274.99	0.00	0.00
275.00-283.99	0.00	0.00
284.00-292.99	0.00	0.00
293.00-302.00	0.00	0.00
>302.00	0.00	0.00

**Engine Overspeed Histogram: Accumulated Time (sec) vs Engine Speed - C9 140M3 (SYE15026)**

Engine Speed( rpm )		%
2500.0-2599.9	1.00	33.33
2600.0-2699.9	0.00	0.00
2700.0-2799.9	2.00	66.67
2800.0-2899.9	0.00	0.00
2900.0-2999.9	0.00	0.00
3000.0-3099.9	0.00	0.00
3100.0-3199.9	0.00	0.00
3200.0-3299.9	0.00	0.00
3300.0-3400.0	0.00	0.00
>3400.0	0.00	0.00

**Lifetime:Accumulated Time vs Engine Speed And Percent Engine Load at Current Engine Speed - C9 140M3 (SYE15026)**

rpm	<600.0	600.0-649.9	650.0-699.9	700.0-749.9	750.0-799.9	800.0-849.9	850.0-899.9	900.0-949.9	950.0-999.9
%									
<0.0	0.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.0-9.9	0.00	0.05	0.45	3.30	425.20	545.60	13.15	10.40	11.35
10.0-19.9	0.00	0.05	0.30	2.75	57.15	70.30	18.25	16.20	19.15
20.0-29.9	0.00	0.00	0.20	2.05	22.15	26.25	12.85	10.30	11.05
30.0-39.9	0.00	0.00	0.15	1.50	8.35	9.20	6.70	5.45	5.45
40.0-49.9	0.00	0.00	0.10	0.85	3.05	3.65	3.20	3.00	2.85
50.0-59.9	0.00	0.00	0.10	0.40	1.00	1.20	1.30	1.40	1.40
60.0-69.9	0.00	0.00	0.10	0.25	0.40	0.50	0.60	0.65	0.70
70.0-79.9	0.00	0.05	0.05	0.15	0.20	0.25	0.30	0.35	0.35
80.0-89.9	0.00	0.00	0.00	0.00	0.00	0.05	0.05	0.10	0.15

90.0-100.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05
>100.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.35	0.15	1.45	11.25	517.50	657.00	56.40	47.85	52.50

**Lifetime:Accumulated Time vs Engine Speed And Percent Engine Load at Current Engine Speed - C9 140M3 (SYE15026)**

rpm	1000.0-1049.9	1050.0-1099.9	1100.0-1149.9	1150.0-1199.9	1200.0-1249.9	1250.0-1299.9	1300.0-1349.9	1350.0-1399.9	1400.0-1449.9
%									
<0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.0-9.9	11.80	11.95	14.00	15.45	14.80	12.30	11.90	11.60	10.60
10.0-19.9	22.20	24.60	27.05	30.75	35.90	39.05	39.70	43.20	45.30
20.0-29.9	11.85	12.75	13.50	15.20	17.30	19.50	21.80	22.95	24.90
30.0-39.9	5.90	6.35	6.50	6.85	7.95	8.35	8.65	8.25	9.50
40.0-49.9	2.90	3.05	3.15	3.20	2.90	2.85	3.25	3.55	3.75
50.0-59.9	1.45	1.45	1.50	1.40	1.35	1.40	1.40	1.40	1.40
60.0-69.9	0.70	0.75	0.80	0.80	0.85	0.85	0.80	0.75	0.80
70.0-79.9	0.40	0.45	0.50	0.50	0.55	0.50	0.50	0.45	0.50
80.0-89.9	0.20	0.25	0.30	0.35	0.35	0.40	0.35	0.40	0.45
90.0-100.0	0.05	0.05	0.05	0.10	0.10	0.15	0.20	0.10	0.10
>100.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	57.45	61.65	67.35	74.60	82.05	85.35	88.55	92.65	97.30

**Lifetime:Accumulated Time vs Engine Speed And Percent Engine Load at Current Engine Speed - C9 140M3 (SYE15026)**

rpm	1450.0-1499.9	1500.0-1549.9	1550.0-1599.9	1600.0-1649.9	1650.0-1699.9	1700.0-1749.9	1750.0-1799.9	1800.0-1849.9	1850.0-1899.9
%									
<0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.0-9.9	9.35	8.20	6.55	5.60	4.50	3.40	2.90	3.45	4.45
10.0-19.9	45.45	43.95	41.15	36.90	33.15	26.90	20.90	17.95	17.30
20.0-29.9	27.55	28.30	28.70	27.40	25.95	23.00	18.95	16.15	11.05
30.0-39.9	10.45	10.00	10.50	9.45	8.50	7.95	7.00	6.00	4.40
40.0-49.9	3.75	3.90	4.35	4.15	3.65	3.35	2.90	2.50	2.15
50.0-59.9	1.50	1.60	1.60	1.50	1.30	1.25	1.25	1.25	1.20
60.0-69.9	0.80	0.85	0.80	0.75	0.70	0.70	0.60	0.60	0.55

70.0-79.9	0.50	0.50	0.50	0.50	0.40	0.40	0.35	0.35	0.30
80.0-89.9	0.50	0.50	0.50	0.50	0.50	0.60	0.80	0.80	0.85
90.0-100.0	0.10	0.10	0.05	0.05	0.10	0.10	0.10	0.10	0.10
>100.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	99.95	97.90	94.70	86.80	78.75	67.65	55.75	49.15	42.35

**Lifetime:Accumulated Time vs Engine Speed And Percent Engine Load at Current Engine Speed - C9 140M3 (SYE15026)**

rpm	1900.0-1949.9	1950.0-1999.9	2000.0-2049.9	2050.0-2099.9	2100.0-2149.9	2150.0-2199.9	2200.0-2249.9	2250.0-2299.9	2300.0-2349.9
%									
<0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.0-9.9	4.95	4.85	4.35	3.25	5.55	5.00	0.00	0.00	0.00
10.0-19.9	13.05	10.05	8.85	8.10	19.60	15.35	0.00	0.00	0.00
20.0-29.9	7.70	5.90	5.30	4.95	17.20	13.45	0.00	0.00	0.00
30.0-39.9	3.35	2.65	2.55	2.55	10.80	8.25	0.00	0.00	0.00
40.0-49.9	1.65	1.25	1.30	1.15	5.10	3.85	0.00	0.00	0.00
50.0-59.9	0.90	0.70	0.70	0.65	2.80	2.40	0.00	0.00	0.00
60.0-69.9	0.40	0.35	0.45	0.40	1.70	1.60	0.00	0.00	0.00
70.0-79.9	0.25	0.25	0.25	0.35	1.60	1.10	0.00	0.00	0.00
80.0-89.9	0.95	1.00	1.25	1.05	1.50	0.70	0.05	0.00	0.00
90.0-100.0	0.10	0.15	0.20	0.10	0.05	0.05	0.00	0.00	0.00
>100.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	33.30	27.15	25.20	22.55	65.90	51.75	0.05	0.00	0.00

**Lifetime:Accumulated Time vs Engine Speed And Percent Engine Load at Current Engine Speed - C9 140M3 (SYE15026)**

rpm	2350.0-2400.0	>2400.0	Total
%			
<0.0	0.00	0.00	0.35
0.0-9.9	0.00	0.00	1200.25
10.0-19.9	0.00	0.00	850.55
20.0-29.9	0.00	0.00	506.15
30.0-39.9	0.00	0.00	209.50
40.0-49.9	0.00	0.00	90.30
50.0-59.9	0.00	0.00	40.15
60.0-69.9	0.00	0.00	21.55
70.0-79.9	0.00	0.00	13.65
80.0-89.9	0.00	0.00	15.45





Total	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
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**High Exhaust Temperature Prevention Derate Time - C9 140M3 (SYE15026)**

Deg F	176.00-184.99	185.00-193.99	194.00-202.99	203.00-212.00	>212.00	Total
psi						
<8.702	0.00	0.00	0.00	0.00	0.00	0.00
8.702-9.862	0.00	0.00	0.00	0.00	0.00	0.00
9.863-11.022	0.00	0.00	0.00	0.00	0.00	0.00
11.023-12.182	0.00	0.00	0.00	0.00	0.00	0.00
12.183-13.342	0.00	0.00	0.00	0.00	0.00	0.00
13.343-14.504	0.00	0.00	0.00	0.00	0.00	0.00
>14.504	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00

**Lifetime:Accumulated Time vs Engine Speed - C9 140M3 (SYE15026)**

Engine Speed( rpm )	hours	%
<550.0	0.40	0.01
550.0-599.9	0.05	0.00
600.0-649.9	0.20	0.01
650.0-699.9	1.45	0.04
700.0-749.9	11.40	0.35
750.0-799.9	578.35	17.91
800.0-849.9	743.90	23.04
850.0-899.9	58.10	1.80
900.0-949.9	49.50	1.53
950.0-999.9	59.20	1.83
1000.0-1049.9	66.90	2.07
1050.0-1099.9	76.15	2.36
1100.0-1149.9	86.00	2.66
1150.0-1199.9	81.75	2.53
1200.0-1249.9	99.25	3.07
1250.0-1299.9	95.35	2.95
1300.0-1349.9	92.45	2.86
1350.0-1399.9	96.75	3.00
1400.0-1449.9	101.15	3.13
1450.0-1499.9	103.30	3.20
1500.0-1549.9	101.70	3.15
1550.0-1599.9	98.25	3.04
1600.0-1649.9	89.60	2.78
1650.0-1699.9	81.15	2.51
1700.0-1749.9	69.65	2.16
1750.0-1799.9	57.30	1.77
1800.0-1849.9	50.60	1.57
1850.0-1899.9	43.70	1.35
1900.0-1949.9	34.80	1.08

1950.0-1999.9	28.20	0.87
2000.0-2049.9	26.15	0.81
2050.0-2099.9	23.40	0.72
2100.0-2149.9	68.50	2.12
2150.0-2199.9	54.00	1.67
2200.0-2249.9	0.10	0.00
2250.0-2299.9	0.00	0.00
2300.0-2349.9	0.00	0.00
2350.0-2399.9	0.00	0.00
2400.0-2449.9	0.00	0.00
2450.0-2499.9	0.00	0.00
2500.0-2549.9	0.00	0.00
2550.0-2599.9	0.00	0.00
2600.0-2649.9	0.00	0.00
2650.0-2699.9	0.00	0.00
2700.0-2749.9	0.00	0.00
2750.0-2799.9	0.00	0.00
2800.0-2849.9	0.00	0.00
2850.0-2899.9	0.00	0.00
2900.0-2949.9	0.00	0.00
2950.0-2999.9	0.00	0.00
3000.0-3049.9	0.00	0.00
3050.0-3099.9	0.00	0.00
3100.0-3149.9	0.00	0.00
3150.0-3199.9	0.00	0.00
3200.0-3249.9	0.00	0.00
3250.0-3299.9	0.00	0.00
3300.0-3349.9	0.00	0.00
3350.0-3400.0	0.00	0.00
>3400.0	0.00	0.00

**Lifetime:Accumulated Time vs Air Inlet Temperature - C9 140M3 (SYE15026)**

Air Inlet Temperature( Deg F )	hours	%
<(-4.00)	0.40	0.01
(-4.00)-4.99	0.00	0.00
5.00-13.99	0.00	0.00
14.00-22.99	0.00	0.00
23.00-31.99	0.70	0.02
32.00-40.99	20.65	0.64
41.00-49.99	83.70	2.59
50.00-58.99	259.30	8.03
59.00-67.99	408.95	12.67
68.00-76.99	474.70	14.70
77.00-85.99	845.25	26.18
86.00-94.99	716.85	22.20
95.00-103.99	405.35	12.56
104.00-112.99	11.75	0.36
113.00-121.99	0.80	0.02

122.00-130.99	0.00	0.00
131.00-139.99	0.00	0.00
140.00-148.99	0.00	0.00
149.00-157.99	0.00	0.00
158.00-166.99	0.00	0.00
167.00-176.00	0.00	0.00
>176.00	0.00	0.00

**High Turbo Speed Prevention Derate Time - C9 140M3 (SYE15026)**

Deg F	<41.00	41.00-58.99	59.00-76.99	77.00-94.99	95.00-112.99	113.00-130.99	131.00-149.00	>149.00	Total
psi									
<8.702	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8.702-9.862	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9.863-11.022	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11.023-12.182	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12.183-13.342	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13.343-14.504	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
>14.504	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**Lifetime:Accumulated Time vs DPF #1 Soot Loading Percent And ARD Manual Disable Status - C9 140M3 (SYE15026)**

%	<40	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119
ARD Manual Disable Status									
0	3220.70	27.50	15.65	7.50	7.60	0.70	0.00	0.00	0.00
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	3220.70	27.50	15.65	7.50	7.60	0.70	0.00	0.00	0.00

**Lifetime:Accumulated Time vs DPF #1 Soot Loading Percent And ARD Manual Disable Status - C9 140M3 (SYE15026)**

%	120-129	130-140	>140	Total
ARD Manual Disable Status				
0	0.00	0.00	0.00	3279.65
1	0.00	0.00	0.00	0.00
Total	0.00	0.00	0.00	3279.65

**Injector Trim Calibration - C9 140M3 (SYE15026)**

Injector	Serial Number	File Version
Injector1	000000003S50453145EC	0
Injector2	000000003S50453176DA	0

Injector3	000000003S50453172C6	0
Injector4	000000003S50453144EB	0
Injector5	000000003S50453147E2	0
Injector6	000000003S50453173C1	0

### Monitoring System - C9 140M3 (SYE15026)

Description	State	Trip Point	Delay Time
<b>Engine Overspeed</b>			
Least Severe (1)	Always On	2600 rpm	0 sec
Most Severe (3)	Always On	2800 rpm	0 sec
<b>Fuel Filter Restriction</b>			
Least Severe (1)	Always On	70 %	1 sec
Moderate Severity (2)	Always On	100 %	1 sec
<b>High Air Inlet #1 Differential Pressure</b>			
Least Severe (1)	Always On	0.9 psi	0 sec
Moderate Severity (2)	Always On	0.9 psi	0 sec
<b>High Engine Coolant Temperature</b>			
Least Severe (1)	Always On	228 Deg F	10 sec
Moderate Severity (2)	Always On	232 Deg F	20 sec
<b>High Fuel Temperature</b>			
Moderate Severity (2)	Always On	174.2 Deg F	30 sec
<b>High Fuel/Water Separator Water Level</b>			
Least Severe (1)	Always On	None	40 sec
Moderate Severity (2)	Always On	None	3600 sec
<b>High Intake Manifold Air Temperature</b>			
Least Severe (1)	Always On	239.0 Deg F	4 sec
Moderate Severity (2)	Always On	248.0 Deg F	4 sec
<b>Low Engine Oil Pressure</b>			
Least Severe (1)	Always On	None	8 sec
Most Severe (3)	Always On	None	4 sec

### Primary Display 140 (N9D00745)

Parameter	Value
Product ID	N9D00745
Equipment ID	140M3
ECM Part Number	4624044-00
ECM Serial Number	2576J016PE
Software Group Part Number	5618557-00
Software Group Release Date	APR2018
Software Group Description	MG M3 Display

### Logged Diagnostic Codes [Diagnostic Clock = 0] - Primary Display 140 (N9D00745)

Code	Description	Occ.	First	Last
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No Logged Diagnostic Codes				
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**Logged Event Codes [Diagnostic Clock = 0] - Primary Display 140 (N9D00745)**

Code	Description	Occ.	First	Last
No Logged Event Codes				

**Active Diagnostic Codes - Primary Display 140 (N9D00745)**

Code	Description
No Active Diagnostic Codes	

**Active Event Codes - Primary Display 140 (N9D00745)**

Code	Description
No Active Event Codes	

**Configuration - Primary Display 140 (N9D00745)**

Description	Value	Unit
Product ID	N9D00745	
Equipment ID	140M3	
Service Mode Enable Code	1234	
Display Language Status	English	
Information Units Status	Metric	
Factory Operator Profile Display Enable Status	Enabled	

**Implement #2 140 (N9D00745)**

Parameter	Value
Product ID	N9D00745
Equipment ID	140M3
ECM Part Number	3656790-04
ECM Serial Number	22066358QQ
ECM Location Code	6
Software Group Part Number	5608977-00
Software Group Release Date	APR2018
Software Group Description	140 MG Steering Cntl

**Logged Diagnostic Codes [Diagnostic Clock = 3951 hours] - Implement #2 140 (N9D00745)**

Code	Description	Occ.	First	Last
1471- 3	Steering Control Position Sensor #1 : Voltage Above Normal	1	3945	3945
1472- 3	Steering Control Position Sensor #2 : Voltage Above Normal	1	3945	3945
1473- 3	Steering Control Position Sensor #3 : Voltage Above Normal	1	3945	3945
2203- 3	Primary Steering Valve Spool Displacement Signal Line : Voltage Above Normal	1	3945	3945

Logged Event Codes [Diagnostic Clock = 3951 hours] - Implement #2 140 (N9D00745)

Code	Description	Occ.	First	Last
E192 (3)	Steering System Malfunction	1	3945	3945

Active Diagnostic Codes - Implement #2 140 (N9D00745)

Code	Description
No Active Diagnostic Codes	

Active Event Codes - Implement #2 140 (N9D00745)

Code	Description
No Active Event Codes	

Current Totals - Implement #2 140 (N9D00745)

Description	Value	Unit
Total Operating Hours	3952	hours

Configuration - Implement #2 140 (N9D00745)

Description	Value	Unit
Hydraulic Oil Viscosity Rating	SAE 10W	
Main Hydraulic Pump Pressure Sensor #2 Installation Status	Not Installed	
Automatic Articulation Installation Status	Not Installed	
Automatic Articulation Feature Temporary Installation Status	Unavailable	
Articulation Lockout Status	Not Locked Out	
DEF Level Full Alarm Enable Status	Enabled	
Advanced Machine Security System Installation Status	Not Installed	
CAN Communication Protocol Write Security	Unavailable	
CAN Communication Protocol Read Security	Unavailable	
Total Tattletale	0	

Calibration Status - Implement #2 140 (N9D00745)

Calibration	Status	Last Successful Completion
Arm Steering System/Solenoid Calibration	Success	1.4 hours
Steering Cylinder Position Sensors Calibration	Success	1.9 hours
Articulate Left Solenoid Calibration	Success	1.4 hours
Articulate Right Solenoid Calibration	Success	1.4 hours
Articulation Position Sensor Calibration	Success	1.5 hours

### Blade Inclination Sensing

Parameter	Value
Component Serial Number	AS400v0.3.03

### Blade Rotation Sensing

Parameter	Value
Component Serial Number	RS400v0.1.89

### Diesel Exhaust Fluid Controller #1

Parameter	Value
Aftertreatment #1 DEF Dosing System Serial Number	PET068798T
Application Software Part Number	5393577-00

### Configuration - Diesel Exhaust Fluid Controller #1

Description	Value	Unit
Aftertreatment #1 DEF Dosing System Serial Number	PET068798T	
Application Software Part Number	5393577-00	

### Engine #1 Aftertreatment Controller

Parameter	Value
Equipment ID	140M3
Engine Serial Number	SYE15026
ECM Serial Number	27567064QU
Software Group Part Number	5560559-00
Software Group Release Date	MAR18
Software Group Description	AFT_T4F_C9.3_HWA_A5E2V1

### Logged Diagnostic Codes [Diagnostic Clock = 3951 hours] - Engine #1 Aftertreatment Controller

Code	Description	Occ.	First	Last
No Logged Diagnostic Codes				

### Logged Event Codes [Diagnostic Clock = 3951 hours] - Engine #1 Aftertreatment Controller

Code	Description	Occ.	First	Last
E114 (1)	Aftertreatment #1 DEF Dosing Unit #1 Input Lines Not Purged	2	3931	3937

### Active Diagnostic Codes - Engine #1 Aftertreatment Controller

Code	Description
No Active Diagnostic Codes	

### Active Event Codes - Engine #1 Aftertreatment Controller

Code	Description
No Active Event Codes	

### System Communication Status - Active Problems - Engine #1 Aftertreatment Controller

ECMs	Detected Problem	Data Link	Diagnostic Information
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### System Communication Status - Inactive Problems - Engine #1 Aftertreatment Controller

ECMs	Detected Problem	Data Link	Diagnostic Information
Device 1: Engine #1 Aftertreatment Controller	Device #1 is unable to communicate on the data link.	J1939 #2	Diagnostic Code: 2348-9 - Service Hour Meter: 00:00:00 -

### Current Totals - Engine #1 Aftertreatment Controller

Description	Value	Unit
DPF #1 Last Ash Service Engine Lifetime Hours	0.0	hours
Total ARD Fuel	222.697	gal
Aftertreatment #1 Total DEF Used	145.7	gal
Exhaust Particulate Control System Diagnostic Time	0	sec
Exhaust Particulate Control System Diagnostic Count	0	

### Configuration - Engine #1 Aftertreatment Controller

Description	Value	Unit
Equipment ID	140M3	
Engine Serial Number	SYE15026	
ECM Serial Number	27567064QU	
Software Group Part Number	5560559-00	
Software Group Release Date	MAR18	
Software Group Description	AFT_T4F_C9.3_HWA_A5E2V1	
ARD Auto Regeneration Enable Status	Enabled	
Factory Installed Aftertreatment #1 Identification Number	CAB121169A	
ARD Fuel Pressure #2 System Installation Status	Not Installed	

### Aftertreatment Regeneration History - Engine #1 Aftertreatment Controller

Aftertreatment Regeneration Speed Type	Aftertreatment Regeneration Trigger Type	ARD Auto Regeneration Enable Status	Regeneration Start Time	Regeneration Trigger Service Hours	Application Regeneration Readiness Status	Aftertreatment Regeneration Trigger Percent Soot	Aftertreatment Regeneration End Speed Type	Aftertreatment Regeneration End Trigger Type
Low Speed	Start	Enabled	6/2/2020 10:21:20 AM	3950.44 hours	7	0 %	Low Speed	Start
High Speed	Start	Enabled	4/21/2020 1:18:42 PM	3950.10 hours	1	0 %	High Speed	Start
High Speed	Start	Enabled	4/1/2020 1:22:57 PM	3949.78 hours	1	0 %	High Speed	Start



Low Speed	Start	Enabled	3/31/2020 11:16:28 AM	3949.12 hours	7	0 %	High Speed	Start
Low Speed	Start	Enabled	3/26/2020 4:32:39 PM	3947.89 hours	5	0 %	Low Speed	Start
Low Speed	Start	Enabled	3/18/2020 1:19:53 PM	3947.22 hours	7	0 %	Low Speed	Start
Low Speed	Start	Enabled	3/6/2020 4:02:04 PM	3945.18 hours	5	0 %	High Speed	Start
High Speed	Start	Enabled	3/4/2020 4:58:14 PM	3941.50 hours	1	0 %	High Speed	Start
Low Speed	Start	Enabled	1/13/2020 12:57:43 PM	3940.35 hours	5	0 %	Low Speed	Start
High Speed	Start	Enabled	1/8/2020 5:13:36 PM	3940.10 hours	1	0 %	High Speed	Start
High Speed	Start	Enabled	1/7/2020 1:50:18 PM	3939.97 hours	1	0 %	High Speed	Start
High Speed	ARD Maintena nce	Enabled	8/10/2019 12:02:46 PM	3939.49 hours	1	0 %	High Speed	ARD Maintena nce
High Speed	Start	Enabled	8/10/2019 9:11:14 AM	3937.22 hours	1	0 %	High Speed	Start
Low Speed	Start	Enabled	8/2/2019 12:22:28 PM	3933.79 hours	7	0 %	Low Speed	Start
High Speed	Start	Enabled	7/11/2019 12:13:08 PM	3933.46 hours	1	0 %	High Speed	Start
Low Speed	Start	Enabled	7/11/2019 11:55:30 AM	3933.17 hours	7	0 %	High Speed	Start
High Speed	Start	Enabled	6/17/2019 9:02:18 AM	3931.22 hours	2	0 %	High Speed	Start
Low Speed	Start	Enabled	4/25/2019 11:11:45 AM	3930.85 hours	5	0 %	Low Speed	Start
High Speed	Start	Enabled	4/3/2019 1:05:48 PM	3929.83 hours	2	0 %	High Speed	Start
High Speed	Start	Enabled	4/2/2019 8:22:15 AM	3928.78 hours	1	0 %	High Speed	Start
High Speed	Start	Enabled	4/1/2019 8:19:35 AM	3923.45 hours	5	0 %	High Speed	Start
High Speed	Start	Enabled	3/29/2019 7:30:20 AM	3919.79 hours	1	0 %	High Speed	Start

Low Speed	ARD Maintenance	Enabled	3/28/2019 10:38:22 AM	3913.28 hours	5	0 %	Low Speed	ARD Maintenance
Low Speed	Start	Enabled	3/28/2019 7:23:55 AM	3910.21 hours	5	0 %	Low Speed	Start
High Speed	Start	Enabled	3/27/2019 7:27:20 AM	3900.77 hours	1	0 %	High Speed	Start
Low Speed	Start	Enabled	3/25/2019 2:05:49 PM	3894.41 hours	5	0 %	Low Speed	Start
High Speed	ARD Maintenance	Enabled	3/23/2019 9:23:03 AM	3887.18 hours	2	0 %	High Speed	ARD Maintenance
Low Speed	Start	Enabled	3/23/2019 7:27:01 AM	3885.24 hours	5	0 %	High Speed	Start
Low Speed	Start	Enabled	3/22/2019 7:21:20 AM	3876.93 hours	5	0 %	Low Speed	Start
Low Speed	Start	Enabled	3/21/2019 7:26:13 AM	3867.32 hours	5	0 %	High Speed	Start
High Speed	ARD Maintenance	Enabled	3/20/2019 11:50:59 AM	3861.09 hours	1	0 %	High Speed	ARD Maintenance
Low Speed	Start	Enabled	3/20/2019 7:14:43 AM	3856.49 hours	5	0 %	Low Speed	Start
High Speed	Start	Enabled	3/19/2019 7:19:26 AM	3845.99 hours	1	0 %	High Speed	Start
Low Speed	Start	Enabled	3/18/2019 7:28:42 AM	3835.87 hours	5	0 %	Low Speed	Start
High Speed	ARD Maintenance	Enabled	3/15/2019 5:17:59 PM	3835.04 hours	1	0 %	High Speed	ARD Maintenance
Low Speed	Start	Enabled	3/15/2019 7:14:33 AM	3825.64 hours	5	0 %	High Speed	Start
Low Speed	Start	Enabled	3/14/2019 7:21:55 AM	3817.16 hours	5	0 %	High Speed	Start
Low Speed	ARD Maintenance	Enabled	3/13/2019 8:20:05 AM	3808.99 hours	7	0 %	High Speed	ARD Maintenance
Low Speed	Start	Enabled	3/13/2019 7:14:48 AM	3807.91 hours	5	0 %	Low Speed	Start
Low Speed	Start	Enabled	3/12/2019 7:22:12 AM	3797.55 hours	5	0 %	High Speed	Start

### Aftertreatment Abnormal Shutdown History - Engine #1 Aftertreatment Controller

Engine Shutdown Type	Engine Shutdown Service Hours	Engine Startup Time After Shutdown Time & Date	Temperature Threshold	Ambient Air Temperature
Hot Shutdown (Above DPF Inlet Temperature Threshold)	816.59 hours	8/31/2017 2:00:48 PM	590.0 Deg F	83.3 Deg F
Hot Shutdown (Above DPF Inlet Temperature Threshold)	5.25 hours	1/12/2017 12:32:30 PM	590.0 Deg F	75.4 Deg F
Hot Shutdown (Above DPF Inlet Temperature Threshold)	215.15 hours	3/29/2017 9:27:20 AM	590.0 Deg F	81.9 Deg F
Hot Shutdown (Above DPF Inlet Temperature Threshold)	213.85 hours	3/27/2017 7:49:15 AM	590.0 Deg F	71.8 Deg F
Hot Shutdown (Above DPF Inlet Temperature Threshold)	1599.45 hours	2/14/2018 8:32:38 AM	590.0 Deg F	63.7 Deg F
Hot Shutdown (Above DPF Inlet Temperature Threshold)	1593.18 hours	2/11/2018 10:58:32 AM	590.0 Deg F	46.2 Deg F
Hot Shutdown (Above DPF Inlet Temperature Threshold)	1070.34 hours	10/16/2017 7:16:16 AM	590.0 Deg F	68.4 Deg F

### Diesel Oxidation Catalyst Replacement - Engine #1 Aftertreatment Controller

Description	Value	Unit
Engine Lifetime Hours	3949.0	hours
Total Operating Hours	3952	hours

#### History Data

No history data available.

### Aftertreatment #1 SCR Catalyst Replacement - Engine #1 Aftertreatment Controller

Description	Value	Unit
Engine Lifetime Hours	3949.0	hours
Total Operating Hours	3952	hours

#### History Data

No history data available.

### DPF Ash Service - Engine #1 Aftertreatment Controller

Description	Value	Unit
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DPF #1 Ash Service Status	Unavailable	
Engine Lifetime Hours	3949.0	hours
Total Operating Hours	3952	hours
DPF #1 Hours Since Last Ash Service	Unavailable	

### History Data

No history data available.

### Machine Inclination

Parameter	Value
Component Serial Number	AS400v0.3.03