

# Cat Electronic Technician 2018B v1.0

## Product Status Report

9/7/2018 10:15 AM

### Product Status Report

Parameter	Value
Product ID	M9D00880
Equipment ID	140M2
Comments	

### C9 140M2 (MME04372)

Parameter	Value
Equipment ID	140M2
Engine Serial Number	MME04372
ECM Part Number	4884877-01
ECM Serial Number	30676660QM
Software Group Part Number	5044806-00
Software Group Release Date	MAR16
Software Group Description	MG 140M2

### Logged Diagnostic Codes [Diagnostic Clock = 7196.0971 hours] - C9 140M2 (MME04372)

Code	Description	Occ.	First	Last
6- 7	Cylinder #6 Injector : Not Responding Properly	1	6962	6962

### Logged Event Codes [Diagnostic Clock = 7196.0971 hours] - C9 140M2 (MME04372)

Code	Description	Occ.	First	Last
No Logged Event Codes				

### Active Diagnostic Codes - C9 140M2 (MME04372)

Code	Description
6- 7	Cylinder #6 Injector : Not Responding Properly

### Active Event Codes - C9 140M2 (MME04372)

Code	Description
No Active Event Codes	

### Current Totals - C9 140M2 (MME04372)

Description	Value	Unit
Total Idle Time	120:48	hours
Total Fuel	450	gal
Total Engine #1 Fuel	435	gal
Total ARD Fuel	15.322	gal

Total Idle Fuel	114	gal
Total Max Fuel	2783	gal
Engine Lifetime Hours	234.9	hours
Average Load Factor	12	%
Engine Starts	101	
Lifetime Total Engine Revolutions	15158928	rev
Total Operating Hours	7196	hours
DPF #1 Last Ash Service Engine Lifetime Hours	0.0	hours
Total Engine Idle Shutdown Count	0	
Total Engine Idle Shutdown Overrides Count	0	
Starts/Hour	0.43	
Average RPM	1075.34	rpm
Percentage Idle Time	51.08	%
Average Fuel Rate	1.92	gal/h
Overall Load Factor	16	%

**Configuration - C9 140M2 (MME04372)**

Description	Value	Unit
Equipment ID	140M2	
Engine Serial Number	MME04372	
ECM Part Number	4884877-01	
ECM Serial Number	30676660QM	
Software Group Part Number	5044806-00	
Software Group Release Date	MAR16	
Software Group Description	MG 140M2	
Rating Number	1	
Rated Power	225 hp at 2100 rpm	
Rated Peak Torque	842 lb-ft at 1000 rpm	
Low Idle Speed	800	rpm
High Idle Speed	2150	rpm
Ether Solenoid Configuration	Continuous Flow Solenoid	
Low System Battery Voltage Elevated Idle	Enabled	
Number of Available Engine Power Levels	4	
Engine Warm Up Elevated Idle Feature Enable Status	Enabled	
Engine Idle Shutdown Enable Status	Disabled	
Engine Idle Shutdown Delay Time	5.0	min
Engine Cooling Fan Map	Standard	
ARD Manual Disable Status	Not Disabled	
ARD Auto Regeneration Enable Status	Enabled	
Factory Installed Aftertreatment #1 Identification Number	AHA012227A	
DPF #1 Soot Loading Sensing System Configuration Code	EK	
High Soot Load Aftertreatment Protection Enable Status	Enabled	

System Operating Voltage Configuration	24 Volt	
FLS	-31	
FTS	42	
CAN Communication Protocol Write Security	Seed and Key Access	
CAN Communication Protocol Read Security	Seed and Key Access	
Total Tattletale	276	

**Lifetime:Accumulated Time vs Intake Manifold Pressure - C9 140M2 (MME04372)**

Intake Manifold Pressure( psi )	hours	%
<11.603	0.05	6.67
11.603-13.052	0.00	0.00
13.053-14.503	0.05	6.67
14.504-15.953	0.05	6.67
15.954-17.404	0.05	6.67
17.405-18.854	0.05	6.67
18.855-20.304	0.10	13.33
20.305-21.755	0.15	20.00
21.756-23.205	0.20	26.67
23.206-24.655	0.05	6.67
24.656-26.106	0.00	0.00
26.107-27.556	0.00	0.00
27.557-29.007	0.00	0.00
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

**Engine Overspeed Histogram: Accumulated Time (sec) vs Engine Speed - C9 140M2 (MME04372)**

Engine Speed( rpm )		%
2500.0-2599.9	0.00	0.00
2600.0-2699.9	0.00	0.00
2700.0-2799.9	0.00	0.00
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 140M2 (MME04372)**

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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.0-9.9	0.00	0.00	0.05	0.20	3.90	4.65	0.50	0.45	0.55
10.0-19.9	0.00	0.00	0.05	0.20	2.85	3.30	0.90	0.95	1.00
20.0-29.9	0.00	0.00	0.00	0.15	1.15	1.25	0.55	0.50	0.50
30.0-39.9	0.00	0.00	0.00	0.10	0.25	0.30	0.20	0.20	0.20
40.0-49.9	0.00	0.00	0.00	0.05	0.05	0.10	0.05	0.10	0.10
50.0-59.9	0.00	0.00	0.00	0.00	0.05	0.05	0.05	0.05	0.05

60.0-69.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
70.0-79.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
80.0-89.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90.0-100.0	0.00	0.00	0.00	0.00	0.00	0.00	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	0.00	0.00	0.10	0.70	8.25	9.65	2.25	2.25	2.40

**Lifetime:Accumulated Time vs Engine Speed And Percent Engine Load at Current Engine Speed - C9 140M2 (MME04372)**

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	0.60	0.50	0.50	0.45	0.45	0.45	0.40	0.45	0.50
10.0-19.9	1.15	1.10	1.10	1.10	1.00	1.00	0.90	0.85	0.80
20.0-29.9	0.55	0.55	0.60	0.65	0.65	0.55	0.50	0.45	0.45
30.0-39.9	0.20	0.20	0.25	0.25	0.25	0.25	0.25	0.25	0.25
40.0-49.9	0.10	0.10	0.10	0.10	0.10	0.10	0.15	0.15	0.15
50.0-59.9	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
60.0-69.9	0.00	0.00	0.05	0.05	0.05	0.05	0.05	0.05	0.05
70.0-79.9	0.00	0.00	0.00	0.00	0.00	0.05	0.05	0.05	0.05
80.0-89.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90.0-100.0	0.00	0.00	0.00	0.00	0.00	0.00	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	2.65	2.50	2.65	2.65	2.55	2.50	2.35	2.30	2.30

**Lifetime:Accumulated Time vs Engine Speed And Percent Engine Load at Current Engine Speed - C9 140M2 (MME04372)**

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	0.45	0.40	0.40	0.35	0.35	0.35	0.35	0.30	0.30
10.0-19.9	0.80	0.65	0.60	0.65	0.70	0.65	0.60	0.55	0.50
20.0-29.9	0.45	0.35	0.30	0.30	0.30	0.25	0.25	0.25	0.20
30.0-39.9	0.20	0.15	0.15	0.15	0.15	0.10	0.10	0.10	0.10

40.0-49.9	0.15	0.10	0.10	0.10	0.10	0.05	0.05	0.05	0.05
50.0-59.9	0.10	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
60.0-69.9	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
70.0-79.9	0.05	0.05	0.05	0.05	0.00	0.05	0.05	0.05	0.05
80.0-89.9	0.00	0.00	0.05	0.05	0.05	0.00	0.00	0.00	0.00
90.0-100.0	0.00	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
>100.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	2.25	1.85	1.80	1.80	1.80	1.60	1.55	1.45	1.35

**Lifetime:Accumulated Time vs Engine Speed And Percent Engine Load at Current Engine Speed - C9 140M2 (MME04372)**

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	0.30	0.25	0.30	0.25	0.75	0.75	0.00	0.00	0.00
10.0-19.9	0.45	0.40	0.35	0.30	0.85	0.70	0.00	0.00	0.00
20.0-29.9	0.20	0.15	0.10	0.05	0.20	0.15	0.00	0.00	0.00
30.0-39.9	0.10	0.10	0.05	0.05	0.10	0.10	0.00	0.00	0.00
40.0-49.9	0.05	0.05	0.05	0.05	0.10	0.10	0.00	0.00	0.00
50.0-59.9	0.05	0.05	0.05	0.05	0.10	0.05	0.00	0.00	0.00
60.0-69.9	0.05	0.05	0.05	0.00	0.05	0.05	0.00	0.00	0.00
70.0-79.9	0.05	0.00	0.00	0.00	0.05	0.05	0.00	0.00	0.00
80.0-89.9	0.00	0.00	0.00	0.00	0.05	0.05	0.00	0.00	0.00
90.0-100.0	0.05	0.10	0.10	0.05	0.10	0.00	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	1.30	1.15	1.05	0.80	2.35	2.00	0.00	0.00	0.00

**Lifetime:Accumulated Time vs Engine Speed And Percent Engine Load at Current Engine Speed - C9 140M2 (MME04372)**

rpm	2350.0-2400.0	>2400.0	Total
%			
<0.0	0.00	0.00	0.00
0.0-9.9	0.00	0.00	20.45
10.0-19.9	0.00	0.00	27.00
20.0-29.9	0.00	0.00	12.55
30.0-39.9	0.00	0.00	5.10

40.0-49.9	0.00	0.00	2.65
50.0-59.9	0.00	0.00	1.55
60.0-69.9	0.00	0.00	1.05
70.0-79.9	0.00	0.00	0.75
80.0-89.9	0.00	0.00	0.25
90.0-100.0	0.00	0.00	0.80
>100.0	0.00	0.00	0.00
Total	0.00	0.00	72.15

**Lifetime:Accumulated Time vs Intake Manifold Air Temperature - C9 140M2 (MME04372)**

Intake Manifold Air Temperature( Deg F )	hours	%
<32.00	0.00	0.00
32.00-40.99	0.00	0.00
41.00-49.99	0.00	0.00
50.00-58.99	0.00	0.00
59.00-67.99	0.40	0.22
68.00-76.99	3.35	1.87
77.00-85.99	17.70	9.89
86.00-94.99	40.25	22.49
95.00-103.99	55.30	30.90
104.00-112.99	38.35	21.43
113.00-121.99	14.50	8.10
122.00-130.99	5.00	2.79
131.00-139.99	3.05	1.70
140.00-148.99	1.00	0.56
149.00-157.99	0.05	0.03
158.00-166.99	0.00	0.00
167.00-175.99	0.00	0.00
176.00-184.99	0.00	0.00
185.00-193.99	0.00	0.00
194.00-202.99	0.00	0.00
203.00-211.99	0.00	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
239.00-248.00	0.00	0.00
>248.00	0.00	0.00

**Lifetime:Accumulated Time vs Engine Speed - C9 140M2 (MME04372)**

Engine Speed( rpm )	hours	%
<550.0	0.00	0.00
550.0-599.9	0.00	0.00
600.0-649.9	0.05	0.03
650.0-699.9	0.25	0.14
700.0-749.9	1.35	0.76
750.0-799.9	41.50	23.22
800.0-849.9	51.65	28.90

850.0-899.9	4.35	2.43
900.0-949.9	4.10	2.29
950.0-999.9	4.35	2.43
1000.0-1049.9	4.45	2.49
1050.0-1099.9	4.40	2.46
1100.0-1149.9	4.45	2.49
1150.0-1199.9	5.05	2.83
1200.0-1249.9	6.50	3.64
1250.0-1299.9	4.20	2.35
1300.0-1349.9	3.50	1.96
1350.0-1399.9	3.50	1.96
1400.0-1449.9	3.60	2.01
1450.0-1499.9	3.20	1.79
1500.0-1549.9	2.75	1.54
1550.0-1599.9	2.55	1.43
1600.0-1649.9	2.45	1.37
1650.0-1699.9	2.40	1.34
1700.0-1749.9	2.25	1.26
1750.0-1799.9	2.10	1.17
1800.0-1849.9	2.00	1.12
1850.0-1899.9	1.75	0.98
1900.0-1949.9	1.60	0.90
1950.0-1999.9	1.45	0.81
2000.0-2049.9	1.25	0.70
2050.0-2099.9	1.05	0.59
2100.0-2149.9	2.55	1.43
2150.0-2199.9	2.15	1.20
2200.0-2249.9	0.00	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 140M2 (MME04372)**

Air Inlet Temperature( Deg F )	hours	%
<(-4.00)	0.00	0.00
(-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	0.00	0.00
32.00-40.99	0.00	0.00
41.00-49.99	0.00	0.00
50.00-58.99	0.00	0.00
59.00-67.99	0.35	0.20
68.00-76.99	5.70	3.18
77.00-85.99	32.25	18.02
86.00-94.99	65.35	36.51
95.00-103.99	66.65	37.23
104.00-112.99	8.20	4.58
113.00-121.99	0.50	0.28
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 Exhaust Temperature Prevention Derate Time - C9 140M2 (MME04372)**

Deg F	<104.00	104.00-112.99	113.00-121.99	122.00-130.99	131.00-139.99	140.00-148.99	149.00-157.99	158.00-166.99	167.00-175.99
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

**High Exhaust Temperature Prevention Derate Time - C9 140M2 (MME04372)**

Deg F	176.00-	185.00-	194.00-	203.00-	>212.00	Total
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	184.99	193.99	202.99	212.00		
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

**High Turbo Speed Prevention Derate Time - C9 140M2 (MME04372)**

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 Engine Coolant Temperature - C9 140M2 (MME04372)**

Engine Coolant Temperature( Deg F )	hours	%
<32.00	0.00	0.00
32.00-40.99	0.00	0.00
41.00-49.99	0.00	0.00
50.00-58.99	0.00	0.00
59.00-67.99	0.00	0.00
68.00-76.99	0.00	0.00
77.00-85.99	0.05	0.03
86.00-94.99	0.25	0.14
95.00-103.99	0.65	0.36
104.00-112.99	0.85	0.47
113.00-121.99	1.15	0.64
122.00-130.99	1.25	0.70
131.00-139.99	1.60	0.89
140.00-148.99	2.70	1.51
149.00-157.99	96.10	53.69

158.00-166.99	62.20	34.75
167.00-175.99	6.15	3.44
176.00-184.99	4.10	2.29
185.00-193.99	1.80	1.01
194.00-202.99	0.15	0.08
203.00-211.99	0.00	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

**Lifetime:Accumulated Time vs DPF #1 Soot Loading Percent And ARD Manual Disable Status - C9 140M2 (MME04372)**

%	<40	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119
ARD Manual Disable Status									
0	109.85	29.55	26.20	14.40	0.25	0.00	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	109.85	29.55	26.20	14.40	0.25	0.00	0.00	0.00	0.00

**Lifetime:Accumulated Time vs DPF #1 Soot Loading Percent And ARD Manual Disable Status - C9 140M2 (MME04372)**

%	120-129	130-140	>140	Total
ARD Manual Disable Status				
0	0.00	0.00	0.00	180.25
1	0.00	0.00	0.00	0.00
Total	0.00	0.00	0.00	180.25

**Injector Trim Calibration - C9 140M2 (MME04372)**

Injector	Serial Number	File Version
Injector1	000000003S50133500CE	0
Injector2	000000003S5013349820	0
Injector3	000000003S5013349927	0
Injector4	000000003S5013348304	0
Injector5	000000003S5013348203	0
Injector6	000000003S50133501C9	0

**Monitoring System - C9 140M2 (MME04372)**

Description	State	Trip Point	Delay Time
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<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 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

**Implement 140M2 (M9D00880)**

Parameter	Value
Product ID	M9D00880
Equipment ID	140M2
ECM Part Number	3045687-02
ECM Serial Number	23616372MS
ECM Location Code	2
Software Group Part Number	4587100-00
Software Group Release Date	SEP2014
Software Group Description	140 MG Master Impl Cntl

**Logged Diagnostic Codes [Diagnostic Clock = 7196.1141 hours] - Implement 140M2 (M9D00880)**

Code	Description	Occ.	First	Last
246- 9	Proprietary CAN Data Link : Abnormal Update Rate	10	6984	7185
871- 9	Inclination Sensor : Abnormal Update Rate	10	6984	7185
908- 9	Blade Rotation Position Sensor : Abnormal Update Rate	10	6984	7185
3694- 9	Blade Slope Sensor : Abnormal Update Rate	8	6984	7185

**Logged Event Codes [Diagnostic Clock = 7196.1141 hours] - Implement 140M2 (M9D00880)**

Code	Description	Occ.	First	Last
No Logged Event Codes				

### Active Diagnostic Codes - Implement 140M2 (M9D00880)

Code	Description
No Active Diagnostic Codes	

### Active Event Codes - Implement 140M2 (M9D00880)

Code	Description
No Active Event Codes	

### Current Totals - Implement 140M2 (M9D00880)

Description	Value	Unit
Total Operating Hours	7196	hours

### Configuration - Implement 140M2 (M9D00880)

Description	Value	Unit
Grade Control On Joystick Attachment Enable Status	Disabled	
Auxiliary Valve #1 Control Lever Configuration	Lever #6	
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	Enabled	
Auxiliary Lever #9 Float Enable Status	Disabled	
Auxiliary Valve #1 Float Installation Status	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	
Ripper AutoStow Enable Status	Enabled	
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	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	0.1	%
Drawbar Length	90	inches
Blade Width	14.199	feet
Lift Cylinder Ball Stud Distance	58	inches

**Implement #2 140M2 (M9D00880)**

Parameter	Value
Product ID	M9D00880
Equipment ID	140M2
ECM Part Number	3045687-02
ECM Serial Number	23616248MS
ECM Location Code	6
Software Group Part Number	4587139-00
Software Group Release Date	SEP2014
Software Group Description	140 MG Steering Cntl

**Logged Diagnostic Codes [Diagnostic Clock = 7196.0974 hours] - Implement #2 140M2 (M9D00880)**

Code	Description	Occ.	First	Last
No Logged Diagnostic Codes				

**Logged Event Codes [Diagnostic Clock = 7196.0974 hours] - Implement #2 140M2 (M9D00880)**

Code	Description	Occ.	First	Last
No Logged Event Codes				

**Active Diagnostic Codes - Implement #2 140M2 (M9D00880)**

Code	Description
No Active Diagnostic Codes	

**Active Event Codes - Implement #2 140M2 (M9D00880)**

Code	Description
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No Active Event Codes	
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### Current Totals - Implement #2 140M2 (M9D00880)

Description	Value	Unit
Total Operating Hours	7196	hours

### Configuration - Implement #2 140M2 (M9D00880)

Description	Value	Unit
Left Steering Cylinder Maximum Extension Length	931.7	mm
Right Steering Cylinder Maximum Extension Length	931.7	mm
Left Steering Cylinder Minimum Retraction Length	646.4	mm
Right Steering Cylinder Minimum Retraction Length	646.3	mm
Left Steering Cylinder Position Sensor Maximum Pulse Duration	126.9	uSec
Right Steering Cylinder Position Sensor Maximum Pulse Duration	126.6	uSec
Left Steering Cylinder Position Sensor Minimum Pulse Duration	24.4	uSec
Right Steering Cylinder Position Sensor Minimum Pulse Duration	24.0	uSec
Hydraulic Oil Viscosity Rating	SAE 10W	
Main Hydraulic Pump Pressure Sensor #2 Installation Status	Not Installed	
Machine Articulation Sensor #2 Installation Status	Installed	
Automatic Articulation Installation Status	Not Installed	
Automatic Articulation Feature Temporary Installation Status	Unavailable	
Articulation Lockout Status	Not Locked Out	
Advanced Machine Security System Installation Status	Not Installed	
CAN Communication Protocol Read Security	Unavailable	
CAN Communication Protocol Write Security	Unavailable	
Total Tattletale	0	

### Monitor 140M2 (M9D00880)

Parameter	Value
Product ID	M9D00880
Equipment ID	140M2
ECM Part Number	3083869-02
ECM Serial Number	1921B625HL
Software Group Part Number	4635561-00
Software Group Release Date	AUG14
Software Group Description	Msngr MG-M2

Logged Diagnostic Codes [Diagnostic Clock = 7196.1563 hours] - Monitor 140M2 (M9D00880)

Code	Description	Occ.	First	Last
No Logged Diagnostic Codes				

Logged Event Codes [Diagnostic Clock = 7196.1563 hours] - Monitor 140M2 (M9D00880)

Code	Description	Occ.	First	Last
No Logged Event Codes				

Active Diagnostic Codes - Monitor 140M2 (M9D00880)

Code	Description
No Active Diagnostic Codes	

Active Event Codes - Monitor 140M2 (M9D00880)

Code	Description
No Active Event Codes	

Current Totals - Monitor 140M2 (M9D00880)

Description	Value	Unit
Total Operating Hours	7196	hours

Configuration - Monitor 140M2 (M9D00880)

Description	Value	Unit
Equipment ID	140M2	
Product ID	M9D00880	
Articulation Gauge Deflection Offset	Unavailable	%
Display Language Status	Unavailable	
Information Units Status	Unavailable	
All Wheel Drive System Installation Status	Not Installed	

Trans/Chassis 140M2 (R3D01067)

Parameter	Value
Product ID	M9D00880
Equipment ID	140M2
Transmission Serial Number	R3D01067
ECM Part Number	3045687-02
ECM Serial Number	20916899MS
ECM Location Code	1
Software Group Part Number	4587126-00
Software Group Release Date	SEP2014
Software Group Description	140 MG Chassis/Trans

Logged Diagnostic Codes [Diagnostic Clock = 7196.1308 hours] - Trans/Chassis 140M2 (R3D01067)

Code	Description	Occ.	First	Last
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No Logged Diagnostic Codes				
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**Logged Event Codes [Diagnostic Clock = 7196.1308 hours] - Trans/Chassis 140M2 (R3D01067)**

Code	Description	Occ.	First	Last
No Logged Event Codes				

**Active Diagnostic Codes - Trans/Chassis 140M2 (R3D01067)**

Code	Description
No Active Diagnostic Codes	

**Active Event Codes - Trans/Chassis 140M2 (R3D01067)**

Code	Description
No Active Event Codes	

**Current Totals - Trans/Chassis 140M2 (R3D01067)**

Description	Value	Unit
Total Operating Hours	7196	hours
Total Hours Coasting In Neutral	6	hours
Machine Idle Time	1834.70	hours

**Configuration - Trans/Chassis 140M2 (R3D01067)**

Description	Value	Unit
Transmission Serial Number	R3D01067	
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	0.125	Amps
Clutch #2 Hold Level Current Command	0.140	Amps
Clutch #3 Hold Level Current Command	0.140	Amps
Machine Speed Limit	50	mph
Machine Speed Correction Factor	0.0000	%
Transmission Orifice Plate Installation Status	Unavailable	
Stable Grade Feature Installation Status	Unavailable	
Stable Grade Enable Status	Unavailable	
Stable Grade Sensitivity Setting	Unavailable	%
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	

CAN Communication Protocol Write Security	Unavailable	
CAN Communication Protocol Read Security	Unavailable	
Total Tattletale	0	

**Lifetime:Time vs Actual Gear - Trans/Chassis 140M2 (R3D01067)**

Actual Gear( )	hours	%
1R	95443.70	7.14
2R	95443.70	7.14
3R	95443.70	7.14
4R	95443.70	7.14
5R	95443.70	7.14
6R	95443.70	7.14
1F	95443.70	7.14
2F	95443.70	7.14
3F	95443.70	7.14
4F	95443.70	7.14
5F	95443.70	7.14
6F	95443.70	7.14
7F	95443.70	7.14
8F	95443.70	7.14

**Shift Count Matrix - Trans/Chassis 140M2 (R3D01067)**

To	N	R1	R2	R3	R4	R5	R6	1	2	3	4	5	6	7	8
From															
N	---	1489	9502	5506 3	43	19	11	1341	9524	6470 0	63	36	37	28	141
R1	1126	---	1355	6	0	0	0	1346	1	0	0	0	0	0	0
R2	9757	166	---	2762	1	0	0	4	7701	2	0	0	0	0	0
R3	5430 5	28	507	---	4429	0	0	4	3	3148 5	0	0	0	0	0
R4	2494	1	1	105	---	1135	0	1	0	851	0	0	0	0	0
R5	685	2	0	1	113	---	242	1	0	159	0	0	0	0	0
R6	156	0	0	2	2	49	---	0	0	43	0	0	0	0	0
1	1704	2144	3	0	0	0	0	---	617	41	38	0	0	0	0
2	1022 3	2	9025	0	0	0	0	1612	---	1993	2	0	0	0	0
3	4908 7	1	3	2997 5	0	0	0	183	4992	---	1697 9	0	0	0	0
4	5256	1	0	1664	0	0	0	49	20	1500	---	1053 4	1	0	0
5	3009	0	0	715	0	0	0	6	4	470	1894	---	8676	29	32
6	1555	0	0	247	0	0	0	2	4	16	38	4063	---	7224	0
7	919	0	0	131	0	0	0	1	0	9	8	131	4363	---	5148
8	1576	0	0	128	0	0	0	1	2	6	7	82	75	3434	---

**Product Link (M9D00880)**

Parameter	Value
Machine Serial Number	M9D00880

Dealer Identification Code	E459
DBS Machine Make Code	AA
ECM Serial Number	2441B066LQ
Wireless Transmission Device Serial Number	DQCAT0115986
Software Group Part Number	4452631-00
Software Group Release Date	JUN2013
Software Group Description	PL300-2013B-PROD-1.0

**Logged Diagnostic Codes [Diagnostic Clock = 7196.1308 hours] - Product Link (M9D00880)**

Code	Description	Occ.	First	Last
1250- 9	Remote Communication Module : Abnormal Update Rate	2	7014	7015

**Logged Event Codes [Diagnostic Clock = 7196.1308 hours] - Product Link (M9D00880)**

Code	Description	Occ.	First	Last
No Logged Event Codes				

**Active Diagnostic Codes - Product Link (M9D00880)**

Code	Description
No Active Diagnostic Codes	

**Active Event Codes - Product Link (M9D00880)**

Code	Description
No Active Event Codes	

**Configuration - Product Link (M9D00880)**

Description	Value	Unit
Maintenance Mode	Off	
Machine Serial Number	M9D00880	
DBS Machine Make Code	AA	
Dealer Identification Code	E459	
Registration E-Mail Address Username	DARREN.LAFOE	
Registration E-Mail Address Domain	WARRENCAT.COM	
Event/Diagnostic Report Interval (SMU)	4	hours
Event/Diagnostic Message Interval (RT)	168	hours
Report Start Time	9/26/2013 11:00 PM	
Warning Level 3 Report Configuration	Report at Next Scheduled	
Warning Level 2 Report Configuration	Report at Next Scheduled	
Warning Level 1 Report Configuration	Report at Next Scheduled	
Diagnostic Report Configuration	Report at Next Scheduled	
Operating Hours Report Configuration	On	
Number of Daily Machine Location Messages Configuration	0	
Position Report Minimum Location Change	0	feet
Fuel Consumed Report Configuration	On	
Global Gram Enable Status	Disabled	

GPS Fix Validity Time Duration	60.0	min
Preferred Wireless Service Configuration	Satellite Premium #2	
Digital Sensor Input #1 Type Configuration	Not Installed	
Digital Input #1 Monitoring Condition	All Conditions	
Digital Sensor Input #1 Description	DIGITAL INPUT 1	
Digital Sensor Input #1 Delay Time	30.0	sec
Digital Sensor Input #2 Type Configuration	Not Installed	
Digital Input #2 Monitoring Condition	All Conditions	
Digital Sensor Input #2 Description	DIGITAL INPUT 2	
Digital Sensor Input #2 Delay Time	30.0	sec
Digital Sensor Input #3 Type Configuration	Not Installed	
Digital Input #3 Monitoring Condition	All Conditions	
Digital Sensor Input #3 Description	DIGITAL INPUT 3	
Digital Sensor Input #3 Delay Time	30.0	sec
Digital Sensor Input #4 Type Configuration	Not Installed	
Digital Input #4 Monitoring Condition	All Conditions	
Digital Sensor Input #4 Description	DIGITAL INPUT 4	
Digital Sensor Input #4 Delay Time	30.0	sec
Embedded Communication Adapter Installation Status	Not Installed	

### Blade Rotation Sensing

Parameter	Value
Component Serial Number	RS400v0.1.89

### Machine Inclination

Parameter	Value
Component Serial Number	AS400v0.3.03