

System Generated ID	Summary
577	GR67 - Circle Repairs

# Cat Electronic Technician 2024B v1.0

## Product Status Report

**9/10/2025 11:35 AM**

- [C13 14M3 \(TXX03127\)](#)
- [Trans/Chassis 14 \(SMZ00309\)](#)
- [Implement #2 14 \(NN400112\)](#)
- [Primary Display 14 \(NN400112\)](#)
- [Input/Output Module](#)

### Product Status Report

Parameter	Value
Product ID	NN400112
Equipment ID	14
Comments	DOWNLOAD DATA

### C13 14M3 (TXX03127)

[TOP](#)

Parameter	Value
Equipment ID	14
Engine Serial Number	TXX03127
ECM Part Number	4884886-01
ECM Serial Number	14796029VJ
Software Group Part Number	5013145-00
Software Group Release Date	NOV15
Software Group Description	A4-C13 14M3 Tier 2 LRC
Calibration Identification Number	Unavailable

### Logged Diagnostic Codes [Diagnostic Clock = 5688 hours] - C13 14M3 (TXX03127)

Code	Description	Occ.	First	Last
596- 9	Implement Control : Abnormal Update Rate	19	5685	5688
168- 4	Electrical System Voltage : Voltage Below Normal	8	5686	5686
1627- 6	Fuel Pump Relay : Current Above Normal	4	5677	5683

**Logged Event Codes [Diagnostic Clock = 5688 hours] - C13 14M3 (TXX03127)**

Code	Description	Occ.	First	Last
E198 (2)	Low Fuel Pressure	3	5664	5682

**Active Diagnostic Codes - C13 14M3 (TXX03127)**

Code	Description
596- 9	Implement Control : Abnormal Update Rate

**Active Event Codes - C13 14M3 (TXX03127)**

Code	Description
No Active Events	

**System Communication Status - Active Problems - C13 14M3 (TXX03127)**

ECMs	Detected Problem	Data Link	Diagnostic Information
No issues were reported			

**System Communication Status - Inactive Problems - C13 14M3 (TXX03127)**

ECMs	Detected Problem	Data Link	Diagnostic Information
No issues were reported			

**Current Totals - C13 14M3 (TXX03127)**

Description	Value	Unit
Total Idle Time	1281:15	hours
Total Fuel	21900	gal
Total Engine #1 Fuel	21900	gal
Total Idle Fuel	1366	gal
Total Max Fuel	101640	gal
Engine Lifetime Hours	5682.9	hours
Average Load Factor	20	%
Engine Starts	9469	
Lifetime Total Engine Revolutions	459833720	rev
Total Operating Hours	5688	hours
Total Engine Idle Shutdown Count	0	
Total Engine Idle Shutdown Overrides Count	0	
Total Delayed Engine Shutdown Count	0	

Total Delayed Engine Shutdown Overrides Count	0	
Starts/Hour	1.67	
Average RPM	1348.58	rpm
Percentage Idle Time	22.54	%
Average Fuel Rate	3.85	gal/h
Overall Load Factor	21	%

### Configuration - C13 14M3 (TXX03127)

Description	Value	Unit
Equipment ID	14	
Engine Serial Number	TXX03127	
ECM Part Number	4884886-01	
ECM Serial Number	14796029VJ	
Software Group Part Number	5013145-00	
Software Group Release Date	NOV15	
Software Group Description	A4-C13 14M3 Tier 2 LRC	
Rating Number	1	
Rated Power	306 hp at 1850 rpm	
Rated Peak Torque	1188 lb-ft at 1200 rpm	
Low Idle Speed	830	rpm
High Idle Speed	1975	rpm
Ether Solenoid Configuration	Continuous Flow Solenoid	
Crankcase Pressure Sensor Installation Status	Unavailable	
Engine Coolant Dual Pressure Sensors Installation Status	Unavailable	
Fuel/Water Separator Switch Installation Status	Installed	
Engine Retarder Enable Command	Disabled	
Low System Battery Voltage Elevated Idle	Enabled	
Engine Warm Up Elevated Idle Feature Enable Status	Enabled	
Machine Working Engine Low Idle Speed Configuration	1000.0	rpm
Machine Hibernating Engine Low Idle Speed Configuration	830.0	rpm
Engine Idle Shutdown Enable Status	Disabled	
Engine Idle Shutdown Delay Time	5.0	min
Delayed Engine Shutdown Enable Status	Disabled	
Delayed Engine Shutdown Maximum Time	15.0	min
System Operating Voltage Configuration	24 Volt	
FLS	-37	
FTS	55	
CAN Communication Protocol Write Security	Seed and Key Access	
CAN Communication Protocol Read Security	Seed and Key Access	
Total Tattletale	7	

**Lifetime:Accumulated Time vs Intake Manifold Pressure - C13 14M3 (TXX03127)**

<b>Intake Manifold Pressure( psi )</b>	<b>hours</b>	<b>%</b>
<11.603	0.20	25.00
11.603-13.052	0.05	6.25
13.053-14.503	0.10	12.50
14.504-15.953	0.10	12.50
15.954-17.404	0.05	6.25
17.405-18.854	0.05	6.25
18.855-20.304	0.05	6.25
20.305-21.755	0.05	6.25
21.756-23.205	0.00	0.00
23.206-24.655	0.15	18.75
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

### Lifetime:Accumulated Time vs Engine Coolant Temperature - C13 14M3 (TX03127)

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	0.20	0.00
86.00-94.99	3.70	0.07
95.00-103.99	9.85	0.19
104.00-112.99	16.10	0.31
113.00-121.99	22.80	0.44
122.00-130.99	32.05	0.62
131.00-139.99	42.45	0.83
140.00-148.99	59.25	1.15
149.00-157.99	79.75	1.55
158.00-166.99	137.60	2.68
167.00-175.99	2743.30	53.42
176.00-184.99	1918.60	37.36
185.00-193.99	69.10	1.35
194.00-202.99	0.20	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
239.00-247.99	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 - C13 14M3 (TX03127)**

Engine Speed( rpm )	Count	%
2500.0-2599.9	20	100.00
2600.0-2699.9	0	0.00
2700.0-2799.9	0	0.00
2800.0-2899.9	0	0.00
2900.0-2999.9	0	0.00
3000.0-3099.9	0	0.00
3100.0-3199.9	0	0.00
3200.0-3299.9	0	0.00
3300.0-3400.0	0	0.00
>3400.0	0	0.00

**Lifetime:Accumulated Time vs Engine Speed And Percent Engine Load at Current Engine Speed - C13 14M3 (TX03127)**

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	0.10	0.25	0.90	3.10	12.80	1031.75	38.35	32.05	52.25
10.0-19.9	0.05	0.15	0.50	1.95	7.55	27.50	14.75	10.85	20.95
20.0-29.9	0.05	0.10	0.40	1.60	5.15	15.55	9.45	9.50	16.40
30.0-39.9	0.05	0.10	0.35	1.25	3.30	6.60	5.10	6.10	10.30
40.0-49.9	0.05	0.10	0.30	0.85	2.00	3.00	2.65	3.60	6.05
50.0-59.9	0.20	0.10	0.25	0.55	1.00	1.30	1.45	2.25	3.65

60.0-69.9	0.30	0.25	0.35	0.55	0.90	1.30	1.70	2.35	3.05
70.0-79.9	0.10	0.15	0.25	0.45	0.60	0.70	0.75	1.10	1.70
80.0-89.9	0.00	0.05	0.05	0.05	0.10	0.15	0.20	0.35	0.55
90.0-100.0	0.00	0.00	0.00	0.00	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	0.90	1.25	3.35	10.35	33.45	1087.90	74.45	68.20	114.95

**Lifetime:Accumulated Time vs Engine Speed And Percent Engine Load at Current Engine Speed - C13 14M3 (TXX03127)**

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	52.40	36.95	36.80	41.00	44.60	46.50	48.40	52.20	51.15
10.0-19.9	23.90	19.90	21.00	24.25	27.15	28.30	29.20	30.20	28.20
20.0-29.9	19.05	17.50	18.70	21.25	23.60	25.75	27.80	31.05	31.30
30.0-39.9	12.25	12.10	13.40	14.75	15.65	17.90	20.50	22.70	23.20
40.0-49.9	7.70	7.75	8.80	9.55	10.15	11.25	12.15	13.25	13.75
50.0-59.9	4.90	5.35	6.15	6.80	7.10	7.60	7.90	8.05	7.80
60.0-69.9	3.75	4.05	4.60	4.70	4.75	5.00	5.20	5.35	5.10
70.0-79.9	2.30	2.85	3.35	3.75	3.95	4.15	4.30	4.45	4.45
80.0-89.9	0.85	1.30	1.70	2.00	2.30	2.75	3.15	3.60	3.80
90.0-100.0	0.10	0.15	0.15	0.10	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	127.20	107.90	114.65	128.15	139.30	149.25	158.65	170.90	168.80

**Lifetime:Accumulated Time vs Engine Speed And Percent Engine Load at Current Engine Speed - C13 14M3 (TXX03127)**

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	52.60	53.00	52.15	50.75	51.25	62.70	52.00	32.25	27.95
10.0-19.9	27.45	25.90	24.65	22.30	21.20	25.50	20.05	11.50	11.50
20.0-29.9	33.45	34.25	34.70	34.20	33.70	42.90	32.00	14.20	10.65
30.0-39.9	24.15	24.75	24.75	24.15	23.40	30.75	26.90	18.15	17.70
40.0-49.9	15.10	16.30	16.30	17.05	18.40	28.00	24.60	14.50	13.60
50.0-59.9	8.20	8.85	8.75	9.45	11.15	19.65	18.10	14.20	14.65
60.0-69.9	5.25	5.60	5.50	6.10	7.65	12.30	10.65	10.00	12.25
70.0-79.9	4.60	4.60	4.80	5.55	7.20	10.05	11.25	16.00	19.70
80.0-89.9	3.80	3.85	3.80	3.70	3.30	2.60	2.25	1.75	7.90
90.0-100.0	0.05	0.05	0.05	0.05	0.05	0.00	0.00	0.05	0.10
>100.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	174.65	177.15	175.45	173.30	177.30	234.45	197.80	132.60	136.00

**Lifetime:Accumulated Time vs Engine Speed And Percent Engine Load at Current Engine Speed - C13 14M3 (TX03127)**

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	26.55	88.10	4.55	1.40	0.85	0.55	0.40	0.25	0.15
10.0-19.9	12.95	39.15	1.30	0.00	0.00	0.00	0.00	0.00	0.00
20.0-29.9	11.50	33.30	1.85	0.00	0.00	0.00	0.00	0.00	0.00
30.0-39.9	16.80	44.10	2.90	0.00	0.00	0.00	0.00	0.00	0.00
40.0-49.9	18.25	83.25	2.90	0.00	0.00	0.00	0.00	0.00	0.00
50.0-59.9	14.45	47.15	2.95	0.00	0.00	0.00	0.00	0.00	0.00
60.0-69.9	15.90	56.95	3.60	0.05	0.00	0.00	0.00	0.00	0.00

70.0-79.9	19.85	77.15	3.40	0.05	0.00	0.00	0.00	0.00	0.00
80.0-89.9	30.90	49.65	0.90	0.00	0.00	0.00	0.00	0.00	0.00
90.0-100.0	0.05	0.15	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	167.20	518.95	24.35	1.50	0.85	0.55	0.40	0.25	0.15

### Lifetime:Accumulated Time vs Engine Speed And Percent Engine Load at Current Engine Speed - C13 14M3 (TXX03127)

rpm	2350.0-2400.0	>2400.0	Total
%			
<0.0	0.00	0.00	0.00
0.0-9.9	0.10	0.10	2139.20
10.0-19.9	0.00	0.00	559.80
20.0-29.9	0.00	0.00	590.90
30.0-39.9	0.00	0.00	464.10
40.0-49.9	0.00	0.00	381.20
50.0-59.9	0.00	0.00	249.95
60.0-69.9	0.00	0.00	205.05
70.0-79.9	0.00	0.00	223.55
80.0-89.9	0.00	0.00	137.35
90.0-100.0	0.00	0.00	1.60
>100.0	0.00	0.00	0.00
Total	0.10	0.10	4952.70

### Lifetime:Accumulated Time vs Intake Manifold Air Temperature - C13 14M3 (TXX03127)

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	0.00	0.00
68.00-76.99	10.35	0.20
77.00-85.99	240.85	4.69
86.00-94.99	1377.20	26.82
95.00-103.99	2290.90	44.61
104.00-112.99	1174.35	22.87
113.00-121.99	41.30	0.80

122.00-130.99	0.10	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
167.00-175.99	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

**High Exhaust Temperature Prevention Derate Time - C13 14M3 (TX03127)**

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 - C13 14M3 (TX03127)**

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 - C13 14M3 (TXX03127)

Engine Speed( rpm )	hours	%
<550.0	0.50	0.01
550.0-599.9	0.45	0.01
600.0-649.9	1.20	0.02
650.0-699.9	3.55	0.07
700.0-749.9	10.85	0.21
750.0-799.9	36.15	0.70
800.0-849.9	1194.30	23.00
850.0-899.9	81.80	1.58
900.0-949.9	72.55	1.40
950.0-999.9	125.40	2.41
1000.0-1049.9	139.05	2.68
1050.0-1099.9	113.50	2.19
1100.0-1149.9	120.10	2.31
1150.0-1199.9	133.40	2.57
1200.0-1249.9	144.45	2.78
1250.0-1299.9	154.35	2.97
1300.0-1349.9	163.95	3.16
1350.0-1399.9	176.35	3.40
1400.0-1449.9	174.05	3.35
1450.0-1499.9	179.95	3.47
1500.0-1549.9	182.30	3.51
1550.0-1599.9	180.75	3.48
1600.0-1649.9	178.00	3.43
1650.0-1699.9	181.75	3.50
1700.0-1749.9	241.35	4.65
1750.0-1799.9	203.75	3.92
1800.0-1849.9	135.60	2.61
1850.0-1899.9	138.70	2.67
1900.0-1949.9	170.10	3.28
1950.0-1999.9	525.70	10.12
2000.0-2049.9	25.05	0.48
2050.0-2099.9	1.65	0.03
2100.0-2149.9	0.90	0.02
2150.0-2199.9	0.55	0.01

2200.0-2249.9	0.40	0.01
2250.0-2299.9	0.25	0.00
2300.0-2349.9	0.15	0.00
2350.0-2399.9	0.10	0.00
2400.0-2449.9	0.05	0.00
2450.0-2499.9	0.05	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 - C13 14M3 (TXX03127)

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	0.05	0.00
68.00-76.99	130.75	2.55
77.00-85.99	3085.65	60.09
86.00-94.99	1853.45	36.10
95.00-103.99	64.60	1.26

104.00-112.99	0.20	0.00
113.00-121.99	0.00	0.00
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 - C13 14M3 (TX03127)**

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 Occurrences vs Engine Speed And Engine Retarder Status - C13 14M3 (TX03127)**

rpm	<1000.0	1000.0-1299.9	1300.0-1599.9	1600.0-1899.9	1900.0-2199.9	2200.0-2499.9	2500.0-2800.0	>2800.0	Total
Engine Retarder Status									
1-1	0	0	0	0	0	0	0	0	0
2-2	0	0	0	0	0	0	0	0	0
3-4	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0

**Lifetime:Accumulated Time vs Engine Speed And Boost Pressure - C13 14M3 (TXX03127)**

rpm	<1900.0	1900.0-2099.9	2100.0-2299.9	2300.0-2499.9	2500.0-2699.9	2700.0-2900.0	>2900.0	Total
psi								
<7.252	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7.252-11.602	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11.603-15.953	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15.954-20.304	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20.305-24.655	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24.656-29.008	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
>29.008	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

**Injector Trim Calibration - C13 14M3 (TXX03127)**

Injector	Serial Number	File Version
Injector1	000000005E01562685FC	0
Injector2	000000005E01562689D8	0
Injector3	000000005E01562695E9	0
Injector4	000000005E01562690F2	0
Injector5	000000005E015627081C	0
Injector6	000000005E0156271031	0

**Monitoring System - C13 14M3 (TXX03127)**

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>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	203.0 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	179.6 Deg F	8 sec
Moderate Severity (2)	Always On	186.8 Deg F	8 sec
<b>Low Engine Oil Pressure</b>			
Least Severe (1)	Always On	None	8 sec
Most Severe (3)	Always On	None	4 sec

### Engine Derate History - C13 14M3 (TXX03127)

<b>History Data</b>
Error - Unable to retrieve the history data from the ECM.

### Service Test History - C13 14M3 (TXX03127)

<b>History Data</b>
Error - Unable to retrieve the history data from the ECM.

### Trans/Chassis 14 (SMZ00309)

[TOP](#)

<b>Parameter</b>	<b>Value</b>
Product ID	NN400112
Equipment ID	
Transmission Serial Number	SMZ00309
ECM Part Number	4559580-01
ECM Serial Number	06797637WC
ECM Location Code	1
Software Group Part Number	5791100-00
Software Group Release Date	JUL2019
Software Group Description	14 MG Chassis/Trans

### Logged Diagnostic Codes [Diagnostic Clock = 5688 hours] - Trans/Chassis 14 (SMZ00309)

<b>Code</b>	<b>Description</b>	<b>Occ.</b>	<b>First</b>	<b>Last</b>
248- 9	Cat Data Link not communicating	1	5685	5685
596- 9	Implement Control : Abnormal Update Rate	1	5685	5685
444- 5	Starter Motor Relay : Current Below Normal	1	5684	5684

2200- 3	Left Steering Cylinder Position Sensor : Voltage Above Normal	17	5637	5657
2200- 4	Left Steering Cylinder Position Sensor : Voltage Below Normal	21	5638	5657
2201- 3	Right Steering Cylinder Position Sensor : Voltage Above Normal	4	5637	5657
2201- 4	Right Steering Cylinder Position Sensor : Voltage Below Normal	154	5232	5657
1471- 3	Steering Control Position Sensor #1 : Voltage Above Normal	5	5648	5648
1472- 3	Steering Control Position Sensor #2 : Voltage Above Normal	5	5648	5648
1473-14	Steering Control Position Sensor #3 : Special Instruction	1	5648	5648
2200-14	Left Steering Cylinder Position Sensor : Special Instruction	2	5648	5648
2201-14	Right Steering Cylinder Position Sensor : Special Instruction	2	5648	5648
1482- 4	10 Volt Sensor DC Power Supply : Voltage Below Normal	1	5639	5639

### Logged Event Codes [Diagnostic Clock = 5688 hours] - Trans/Chassis 14 (SMZ00309)

Code	Description	Occ.	First	Last
E192 (3)	Steering System Malfunction	255	5232	5688
E358 (2)	Engine Underspeed	162	4796	5685

### Active Diagnostic Codes - Trans/Chassis 14 (SMZ00309)

Code	Description
248- 9	Cat Data Link not communicating
596- 9	Implement Control : Abnormal Update Rate
2200- 3	Left Steering Cylinder Position Sensor : Voltage Above Normal
2201- 3	Right Steering Cylinder Position Sensor : Voltage Above Normal

### Active Event Codes - Trans/Chassis 14 (SMZ00309)

Code	Description
E192 (3)	Steering System Malfunction

### Current Totals - Trans/Chassis 14 (SMZ00309)

Description	Value	Unit
Total Operating Hours	5688	hours
Total Hours Coasting In Neutral	21	hours
Machine Idle Time	1258.60	hours
Total Forward Distance	13054.01	Miles
Total Reverse Distance	2679.04	Miles
Total Distance	15733.05	Miles

**Configuration - Trans/Chassis 14 (SMZ00309)**

Description	Value	Unit
Transmission Serial Number	SMZ00309	
Autoshift Feature Installation Status	Installed	
Transmission Maximum Forward Gear	8	
Transmission Maximum Reverse Gear	6	
Transmission Initial Forward Gear	3	
Transmission Initial Reverse Gear	3	
Transmission Maximum Forward Autoshift Gear	8	
Transmission Minimum Forward Autoshift Gear	3	
Transmission Maximum Reverse Autoshift Gear	6	
Transmission Minimum Reverse Autoshift Gear	3	
Clutch #1 Hold Level Current Command	0.160	Amps
Clutch #2 Hold Level Current Command	0.170	Amps
Clutch #3 Hold Level Current Command	0.175	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	%
Directional Shift Clutch Protection Enable Status	Disabled	
Transmission Oil Type Configuration	TDTO SAE 30	
Air Conditioning System Installation Status	Installed	
Battery Cable Shield Monitoring System Installation	Not Installed	
Forced Fuel Economy Mode Configuration	Not Forced	
Economy Mode	Off	
Security System Immobilizer Installation Status	Unavailable	
Total Tattletale	0	

**Lifetime:Time vs Actual Gear - Trans/Chassis 14 (SMZ00309)**

Actual Gear( )	hours	%
1R	145.10	3.52
2R	394.55	9.58
3R	315.25	7.65
4R	34.45	0.84
5R	1.70	0.04
6R	0.00	0.00
1F	344.55	8.36
2F	1033.90	25.09
3F	1209.35	29.35

4F	488.60	11.86
5F	137.65	3.34
6F	13.80	0.33
7F	1.30	0.03
8F	0.30	0.01

**Shift Count Matrix [Diagnostic Clock = 5688.0629 hours] - Trans/Chassis 14 (SMZ00309)**

To	N	R1	R2	R3	R4	R5	R6	1	2	3	4	5	6	7	8
From															
N	---	25935	39301	50475	2	1	0	26282	48144	59161	119	39	3	0	0
R1	18018	---	18835	0	0	0	0	9008	3	0	0	0	0	0	0
R2	53404	7944	---	12874	0	0	0	52	27591	2	0	0	0	0	0
R3	45632	18	15999	---	5333	0	0	3	55	20008	0	0	0	0	0
R4	2204	0	0	2355	---	372	0	5	55	670	0	0	0	0	0
R5	37	0	0	1	326	---	12	0	1	2	0	0	0	0	0
R6	6	0	0	0	0	6	---	0	0	0	0	0	0	0	0
1	20940	11892	2	0	0	0	0	---	15797	21	25	0	0	0	0
2	50593	61	27480	4	0	0	0	13290	---	33549	0	0	0	0	0
3	50799	4	61	19277	0	0	0	27	33354	---	28367	0	0	0	0
4	6787	3	150	1962	0	0	0	25	13	17662	---	8523	0	0	0
5	863	11	54	132	0	0	0	1	0	853	6617	---	1166	25	22
6	20	0	0	0	0	0	0	0	0	0	0	1137	---	179	0
7	1	0	0	0	0	0	0	0	0	0	0	25	167	---	35
8	11	0	0	0	0	0	0	0	0	0	0	22	0	24	---

**Counters - Trans/Chassis 14 (SMZ00309)**

Description	Value
Parking Brake Solenoid Cycles	18803
Starter Relay Cycles	10038
Service Brake Pedal Switch Cycles	170956
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	47621

**Implement #2 14 (NN400112)**

[TOP](#)

<b>Parameter</b>	<b>Value</b>
Product ID	NN400112
Equipment ID	
ECM Part Number	4559584-01
ECM Serial Number	03307280WF
ECM Location Code	6
Software Group Part Number	5791664-00
Software Group Release Date	JUL2019
Software Group Description	14 MG Steering Cntl

### Logged Diagnostic Codes [Diagnostic Clock = 5688 hours] - Implement #2 14 (NN400112)

<b>Code</b>	<b>Description</b>	<b>Occ.</b>	<b>First</b>	<b>Last</b>
248- 9	Cat Data Link not communicating	2	5685	5686
596- 9	Implement Control : Abnormal Update Rate	2	5686	5686
2200- 3	Left Steering Cylinder Position Sensor : Voltage Above Normal	2	5683	5683
2200- 4	Left Steering Cylinder Position Sensor : Voltage Below Normal	21	5638	5657
2201- 3	Right Steering Cylinder Position Sensor : Voltage Above Normal	4	5637	5657
2201- 4	Right Steering Cylinder Position Sensor : Voltage Below Normal	159	5232	5657
41- 4	8 Volt DC Supply : Voltage Below Normal	2	5648	5648
1471- 3	Steering Control Position Sensor #1 : Voltage Above Normal	5	5648	5648
1472- 3	Steering Control Position Sensor #2 : Voltage Above Normal	5	5648	5648
2146- 3	Articulation Lever Position Sensor : Voltage Above Normal	5	5648	5648
2203- 4	Primary Steering Valve Spool Displacement Signal Line : Voltage Below Normal	4	5648	5648
1473-14	Steering Control Position Sensor #3 : Special Instruction	1	5648	5648
2203- 3	Primary Steering Valve Spool Displacement Signal Line : Voltage Above Normal	1	5648	5648
2200-14	Left Steering Cylinder Position Sensor : Special Instruction	2	5648	5648
2201-14	Right Steering Cylinder Position Sensor : Special Instruction	2	5648	5648

### Logged Event Codes [Diagnostic Clock = 5688 hours] - Implement #2 14 (NN400112)

<b>Code</b>	<b>Description</b>	<b>Occ.</b>	<b>First</b>	<b>Last</b>
E192 (3)	Steering System Malfunction	255	5232	5688

### Active Diagnostic Codes - Implement #2 14 (NN400112)

Code	Description
248- 9	Cat Data Link not communicating
596- 9	Implement Control : Abnormal Update Rate
2200- 3	Left Steering Cylinder Position Sensor : Voltage Above Normal
2201- 3	Right Steering Cylinder Position Sensor : Voltage Above Normal

### Active Event Codes - Implement #2 14 (NN400112)

Code	Description
E192 (3)	Steering System Malfunction
E598 (2)	Steering Limited Due to Cold Hydraulic Oil

### Current Totals - Implement #2 14 (NN400112)

Description	Value	Unit
Total Operating Hours	5688	hours

### Configuration - Implement #2 14 (NN400112)

Description	Value	Unit
Hydraulic Oil Viscosity Rating	SAE 10W	
Automatic Articulation Installation Status	Installed	
Automatic Articulation Feature Temporary Installation Status	Unavailable	
Articulation Lockout Status	Not Locked Out	
Rear Defroster Fan Installation Status	Not Installed	
Road Light Installation	Installed	
Beacon Installation Status	Installed	
Automatic Rear Work Light Enable Status	Enabled	
Work Light Installation	Installed	
Rear Work Light Installation Status	Installed	
Snow Wing Light Installation Status	Not Installed	
Access Platform Light Installation Status	Unavailable	
DEF Level Full Alarm Enable Status	Enabled	
Blade Cushion Installation Status	Installed	
Blade Cushion Lock Status	Not Locked	
Centershift Lock Pin Puller Lockout Status	Not Locked Out	
Advanced Machine Security System Installation Status	Not Installed	
CAN Communication Protocol Write Security	Unavailable	
CAN Communication Protocol Read Security	Unavailable	
Total Tattletale	0	

**Additional Information - Implement #2 14 (NN400112)**

Description	Value	Unit
Primary Steering System Steer Left Solenoid Start Current	0.510	Amps
Primary Steering System Steer Right Solenoid Start Current	0.550	Amps

**Calibration Status - Implement #2 14 (NN400112)**

Calibration	Status	Last Successful Completion
Arm Steering System/Solenoid Calibration	Success	2.5 hours
Steering Cylinder Position Sensors Calibration	Not Calibrated	Never Successfully Calibrated
Articulate Left Solenoid Calibration	Success	2.5 hours
Articulate Right Solenoid Calibration	Success	2.5 hours
Articulation Position Sensor Calibration	Success	3560.7 hours

**Primary Display 14 (NN400112)**[TOP](#)

Parameter	Value
Product ID	NN400112
Equipment ID	
ECM Part Number	4624043-00
ECM Serial Number	2959J001PD
Software Group Part Number	5808496-00
Software Group Release Date	JUL2019
Software Group Description	MG Display

**Logged Diagnostic Codes - Primary Display 14 (NN400112)**

Code	Description	Occ.	First	Last
596- 9	Implement Control : Abnormal Update Rate	1	5685	5685

**Logged Event Codes - Primary Display 14 (NN400112)**

Code	Description	Occ.	First	Last
No Logged Event Codes				

**Active Diagnostic Codes - Primary Display 14 (NN400112)**

Code	Description

596- 9	Implement Control : Abnormal Update Rate
--------	--

### Active Event Codes - Primary Display 14 (NN400112)

Code	Description
No Active Events	

### Configuration - Primary Display 14 (NN400112)

Description	Value	Unit
Product ID	NN400112	
Equipment ID		
Service Mode Enable Code	1234	
Display Language Status	English	
Information Units Status	Metric	
Factory Operator Profile Display Enable Status	Enabled	

### Input/Output Module

[TOP](#)

Parameter	Value
ECM Part Number	2995744-06
ECM Serial Number	0290B310HZ
Software Group Part Number	5791791-00
Software Group Release Date	JUL2019
Software Group Description	MG M3 Series IO Module