

Cat Electronic Technician 2023A v1.0

Product Status Report

08/04/2024 10:07

Product Status Report

Parameter	Value
Product ID	GZ901046
Equipment ID	GZ901046
Comments	

Hour Meter

Parameter	Value
ECM Part Number	3637544-00
ECM Serial Number	0691D050MY
Software Group Part Number	5909162-00
Software Group Release Date	OCT2019
Software Group Description	Hour Meter

Machine Control D6 (GZ901046)

Parameter	Value
Product ID	GZ901046
Build Number	20B
Vehicle ID	CAT000D6TGZ901046
Equipment ID	GZ901046
ECM Part Number	4916843-06
ECM Serial Number	2104050020TZ000H
Software Group Part Number	6316313-00
Software Group Release Date	DEC2022
Software Group Description	D6 Track Type Tractor

Logged Diagnostic Codes [Diagnostic Clock = 4045 hours] - Machine Control D6 (GZ901046)

Code	Description	Occ.	First	Last
70- 2	Parking Brake Switch : Erratic, Intermittent, or Incorrect	1	3982	3982

Logged Event Codes [Diagnostic Clock = 4045 hours] - Machine Control D6 (GZ901046)

Code	Description	Occ.	First	Last
E60020 (2)	Service Brake Misuse	2	4036	4038

Active Diagnostic Codes - Machine Control D6 (GZ901046)

Code	Description
No Active Diagnostic Codes	

Active Event Codes - Machine Control D6 (GZ901046)

Code	Description
No Active Events	

System Communication Status - Active Problems - Machine Control D6 (GZ901046)

ECMs	Detected Problem	Data Link	Diagnostic Information
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System Communication Status - Inactive Problems - Machine Control D6 (GZ901046)

ECMs	Detected Problem	Data Link	Diagnostic Information
Device 1: Machine Control D6 (GZ901046)	Device #1 is unable to communicate on the data link.	J1939 #2	Diagnostic Code: 2348-9 - Service Hour Meter: 4045:09:11 -
Device 1: Machine Control D6 (GZ901046)	Device #1 is unable to communicate on the data link.	J1939 #2	Diagnostic Code: 2348-9 - Service Hour Meter: 4045:09:11 -
Device 1: Machine Control D6 (GZ901046)	Device #1 is unable to communicate on the data link.	J1939 #2	Diagnostic Code: 2348-9 - Service Hour Meter: 4045:15:11 -

Current Totals - Machine Control D6 (GZ901046)

Description	Value	Unit
Total Distance	9697.30	km
Total Forward Distance	5894.90	km
Total Reverse Distance	3774.20	km
Total Neutral Gear Operating Hours	1632	hours
Total Distance Coasting In Neutral	28.2	km
Total First Forward Gear Operating Hours	0	hours
Total Second Forward Gear Operating Hours	558	hours
Total Third Forward Gear Operating Hours	611	hours
Total Fourth Forward Gear Operating Hours	411	hours
Total Fifth Forward Gear Operating Hours	9.489	hours
Total First Reverse Gear Operating Hours	173	hours
Total Second Reverse Gear Operating Hours	381	hours
Total Third Reverse Gear Operating Hours	243	hours
Total Fourth Reverse Gear Operating Hours	4	hours
Total Powertrain Oil Filter Bypass Hours	0.21	hours
Total Powertrain Oil Filter Bypass Active Warning Hours	0	hours
Total Transmission Forward Direct Drive Operating Hours	895.986	hours

Total Transmission Reverse Direct Drive Operating Hours	301.083	hours
Transmission Forward Gear Lockup Clutch Engagements Count	246786	
Transmission Reverse Lockup Clutch Engagements Count	121442	
Total Transmission Reduced Lube Flow Control Hours	787.490	hours
Total Transmission Autoshift Mode Disabled Count	22	

Configuration - Machine Control D6 (GZ901046)

Description	Value	Unit
Product ID	GZ901046	
Equipment ID	GZ901046	
Transmission Serial Number		
Maximum Forward Track Speed Range Limit	3.0	
Maximum Reverse Track Speed Range Limit	3.0	
Maximum Deceleration Pedal Position Engine Speed	1000.0	rpm
Transmission Calibration Selected Clutch	0	
Work Light Installation	Installed	
Front Work Lights Installation Status	Installed	
Low System Battery Voltage Elevated Idle	Enabled	
Automatic Engine Speed Control (AESC) Enable Status	Enabled	
Automatic Engine Speed Control (AESC) Delay Time	5.0	sec
Autoshift Switch Enable Configuration	Enabled	
Automatic Traction Control Enable Default Setting	Enabled	
Transmission Oil Type Configuration	TDTO SAE 30	
Remote Control System Installation Status	Not Installed	
Remote Control System Temporary Installation Status	Not Installed	
Remote Control System Temporary Installation Time Remaining	6000	min
Remote Control System Enable Status	Disabled	
Remote Control Operator Station Installation Status	Not Installed	
Remote Control Maximum Forward Track Speed Range Limit	2.2	
Remote Control Maximum Reverse Track Speed Range Limit	2.5	
Noise Regulation Configuration	European Union (EU)	
Advanced Machine Security System Installation Status	Not Installed	
Operator Management Passcode Enabled Status	Disabled	

Operator Management Bluetooth Device Enabled Status	Disabled	
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Calibration Status - Machine Control D6 (GZ901046)

Calibration	Status	Last Successful Completion
Transmission Fill Calibration	Success	3932.6 hours
Left Steering Solenoid Calibration	Success	1.1 hours
Right Steering Solenoid Calibration	Success	1.1 hours
Steering Control Position Sensor Calibration	Success	0.1 hours
Left Decel/Brake Pedal Calibration	Success	0.1 hours
Brake Touch-Up Pressure Calibration	Success	1.1 hours

Job:Accumulated Time vs Transmission Oil Temperature - Machine Control D6 (GZ901046)

Transmission Oil Temperature(Deg C)	hours	%
<55.0	0.25	100.00
55.0-59.9	0.00	0.00
60.0-64.9	0.00	0.00
65.0-69.9	0.00	0.00
70.0-74.9	0.00	0.00
75.0-79.9	0.00	0.00
80.0-84.9	0.00	0.00
85.0-89.9	0.00	0.00
90.0-94.9	0.00	0.00
95.0-99.9	0.00	0.00
100.0-104.9	0.00	0.00
105.0-109.9	0.00	0.00
110.0-115.0	0.00	0.00
>115.0	0.00	0.00

Job:Accumulated Time vs Torque Converter Oil Outlet Temperature - Machine Control D6 (GZ901046)

Torque Converter Oil Outlet Temperature(Deg C)	hours	%
<60.0	0.25	100.00
60.0-64.9	0.00	0.00
65.0-69.9	0.00	0.00
70.0-74.9	0.00	0.00
75.0-79.9	0.00	0.00
80.0-84.9	0.00	0.00
85.0-89.9	0.00	0.00
90.0-94.9	0.00	0.00
95.0-99.9	0.00	0.00
100.0-104.9	0.00	0.00
105.0-109.9	0.00	0.00

110.0-114.9	0.00	0.00
115.0-119.9	0.00	0.00
120.0-124.9	0.00	0.00
125.0-129.9	0.00	0.00
130.0-134.9	0.00	0.00
135.0-139.9	0.00	0.00
140.0-145.0	0.00	0.00
>145.0	0.00	0.00

Job:Accumulated Time vs Transmission Lube Oil Temperature - Machine Control D6 (GZ901046)

Transmission Lube Oil Temperature(Deg C)	hours	%
<55.0	5.25	4.08
55.0-59.9	0.95	0.74
60.0-64.9	1.10	0.86
65.0-69.9	1.75	1.36
70.0-74.9	3.00	2.33
75.0-79.9	12.20	9.49
80.0-84.9	50.15	39.00
85.0-89.9	51.70	40.20
90.0-94.9	2.50	1.94
95.0-99.9	0.00	0.00
100.0-104.9	0.00	0.00
105.0-109.9	0.00	0.00
110.0-115.0	0.00	0.00
>115.0	0.00	0.00

Converter Output Speed vs Transmission Input Torque in 2F - Machine Control D6 (GZ901046)

rpm	<(-1600.0)	(-1600.0)-(-1200.1)	(-1200.0)-(-800.1)	(-800.0)-(-400.1)	(-400.0)-(-0.1)	0.0-199.9	200.0-399.9	400.0-599.9	600.0-799.9
N-m									
<(-600)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(-600)-(-451)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(-450)-(-301)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(-300)-(-151)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(-150)-(-1)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0-349	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.35
350-599	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.05	0.25
600-849	0.00	0.00	0.00	0.00	0.00	0.15	0.05	0.15	0.30
850-1099	0.00	0.00	0.00	0.00	0.00	0.20	0.10	0.10	0.25
1100-1349	0.00	0.00	0.00	0.00	0.00	0.10	0.05	0.10	0.25
1350-1599	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.05	0.40

1600-1849	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.05	0.10
1850-2099	0.00	0.00	0.00	0.00	0.00	0.15	0.00	0.00	0.00
2100-2349	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00
2350-2600	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
>2600	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	0.75	0.25	0.60	1.90

Converter Output Speed vs Transmission Input Torque in 2F - Machine Control D6 (GZ901046)

rpm	800.0-999.9	1000.0-1199.9	1200.0-1399.9	1400.0-1599.9	1600.0-1799.9	1800.0-1999.9	2000.0-2199.9	2200.0-2399.9	2400.0-2599.9
N-m									
<(-600)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(-600)-(-451)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(-450)-(-301)	0.00	0.00	0.00	0.00	0.00	0.05	0.40	0.10	0.00
(-300)-(-151)	0.00	0.00	0.00	0.10	0.15	0.20	0.35	0.00	0.00
(-150)-(-1)	0.00	0.05	0.15	0.35	0.45	0.60	0.05	0.00	0.00
0-349	0.65	1.25	1.70	2.55	16.35	0.85	0.10	0.00	0.00
350-599	0.60	1.65	2.35	3.00	11.55	0.60	0.55	0.00	0.00
600-849	0.60	1.05	1.95	6.35	7.95	3.85	0.75	0.00	0.00
850-1099	0.65	2.45	8.20	6.30	1.45	0.10	0.00	0.00	0.00
1100-1349	1.80	5.10	0.90	0.20	0.00	0.00	0.00	0.00	0.00
1350-1599	1.05	0.05	0.05	0.00	0.00	0.00	0.00	0.00	0.00
1600-1849	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1850-2099	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2100-2349	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2350-2600	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
>2600	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	5.35	11.60	15.30	18.85	37.90	6.25	2.20	0.10	0.00

Converter Output Speed vs Transmission Input Torque in 2F - Machine Control D6 (GZ901046)

rpm	2600.0-2799.9	2800.0-2999.9	3000.0-3499.9	3500.0-4000.0	>4000.0	Total
N-m						
<(-600)	0.00	0.00	0.00	0.00	0.00	0.00
(-600)-(-451)	0.00	0.00	0.00	0.00	0.00	0.00
(-450)-(-301)	0.00	0.00	0.00	0.00	0.00	0.55
(-300)-(-151)	0.00	0.00	0.00	0.00	0.00	0.80

(-150)-(-1)	0.00	0.00	0.00	0.00	0.00	1.65
0-349	0.00	0.00	0.00	0.00	0.00	23.90
350-599	0.00	0.00	0.00	0.00	0.00	20.65
600-849	0.00	0.00	0.00	0.00	0.00	23.15
850-1099	0.00	0.00	0.00	0.00	0.00	19.80
1100-1349	0.00	0.00	0.00	0.00	0.00	8.50
1350-1599	0.00	0.00	0.00	0.00	0.00	1.65
1600-1849	0.00	0.00	0.00	0.00	0.00	0.20
1850-2099	0.00	0.00	0.00	0.00	0.00	0.15
2100-2349	0.00	0.00	0.00	0.00	0.00	0.05
2350-2600	0.00	0.00	0.00	0.00	0.00	0.00
>2600	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.00	0.00	0.00	0.00	101.05

Converter Output Speed vs Transmission Input Torque in 3F - Machine Control D6 (GZ901046)

rpm	<(-1600.0)	(-1600.0)-(-1200.1)	(-1200.0)-(-800.1)	(-800.0)-(-400.1)	(-400.0)-(-0.1)	0.0-199.9	200.0-399.9	400.0-599.9	600.0-799.9
N-m									
<(-600)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(-600)-(-451)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(-450)-(-301)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(-300)-(-151)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(-150)-(-1)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0-349	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
350-599	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10
600-849	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.10
850-1099	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.05
1100-1349	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.05	0.05
1350-1599	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.05
1600-1849	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.05
1850-2099	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2100-2349	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2350-2600	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00
>2600	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	0.10	0.00	0.25	0.40

Converter Output Speed vs Transmission Input Torque in 3F - Machine Control D6 (GZ901046)

rpm	800.0-999.9	1000.0-1199.9	1200.0-1399.9	1400.0-1599.9	1600.0-1799.9	1800.0-1999.9	2000.0-2199.9	2200.0-2399.9	2400.0-2599.9
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N-m									
<(-600)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(-600)-(-451)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(-450)-(-301)	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00
(-300)-(-151)	0.00	0.00	0.00	0.10	0.10	0.10	0.05	0.00	0.00
(-150)-(-1)	0.00	0.00	0.10	0.20	0.30	0.20	0.00	0.00	0.00
0-349	0.15	0.30	0.95	1.55	6.70	0.20	0.00	0.00	0.00
350-599	0.25	0.50	1.25	2.15	8.70	0.05	0.10	0.00	0.00
600-849	0.15	0.25	0.70	3.00	2.55	0.30	0.05	0.00	0.00
850-1099	0.10	0.15	0.40	1.40	0.15	0.00	0.00	0.00	0.00
1100-1349	0.10	0.10	0.20	0.10	0.00	0.00	0.00	0.00	0.00
1350-1599	0.05	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00
1600-1849	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1850-2099	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2100-2349	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2350-2600	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
>2600	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.80	1.30	3.65	8.50	18.50	0.85	0.25	0.00	0.00

Converter Output Speed vs Transmission Input Torque in 3F - Machine Control D6 (GZ901046)

rpm	2600.0-2799.9	2800.0-2999.9	3000.0-3499.9	3500.0-4000.0	>4000.0	Total
N-m						
<(-600)	0.00	0.00	0.00	0.00	0.00	0.00
(-600)-(-451)	0.00	0.00	0.00	0.00	0.00	0.00
(-450)-(-301)	0.00	0.00	0.00	0.00	0.00	0.05
(-300)-(-151)	0.00	0.00	0.00	0.00	0.00	0.35
(-150)-(-1)	0.00	0.00	0.00	0.00	0.00	0.80
0-349	0.00	0.00	0.00	0.00	0.00	9.85
350-599	0.00	0.00	0.00	0.00	0.00	13.10
600-849	0.00	0.00	0.00	0.00	0.00	7.15
850-1099	0.00	0.00	0.00	0.00	0.00	2.30
1100-1349	0.00	0.00	0.00	0.00	0.00	0.65
1350-1599	0.00	0.00	0.00	0.00	0.00	0.20
1600-1849	0.00	0.00	0.00	0.00	0.00	0.10
1850-2099	0.00	0.00	0.00	0.00	0.00	0.00
2100-2349	0.00	0.00	0.00	0.00	0.00	0.00
2350-2600	0.00	0.00	0.00	0.00	0.00	0.05
>2600	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.00	0.00	0.00	0.00	34.60

Converter Output Speed vs Transmission Input Torque in 4F - Machine Control D6 (GZ901046)

rpm	<(-1600.0)	(-1600.0)-(-1200.1)	(-1200.0)-(-800.1)	(-800.0)-(-400.1)	(-400.0)-(-0.1)	0.0-199.9	200.0-399.9	400.0-599.9	600.0-799.9
N-m									
<(-600)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(-600)-(-451)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(-450)-(-301)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(-300)-(-151)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(-150)-(-1)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0-349	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05
350-599	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.15
600-849	0.00	0.00	0.00	0.00	0.00	0.05	0.05	0.10	0.15
850-1099	0.00	0.00	0.00	0.00	0.00	0.10	0.05	0.10	0.20
1100-1349	0.00	0.00	0.00	0.00	0.00	0.10	0.05	0.10	0.20
1350-1599	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.10	0.25
1600-1849	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.15	0.10
1850-2099	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.05	0.00
2100-2349	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2350-2600	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
>2600	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	0.25	0.30	0.65	1.10

Converter Output Speed vs Transmission Input Torque in 4F - Machine Control D6 (GZ901046)

rpm	800.0-999.9	1000.0-1199.9	1200.0-1399.9	1400.0-1599.9	1600.0-1799.9	1800.0-1999.9	2000.0-2199.9	2200.0-2399.9	2400.0-2599.9
N-m									
<(-600)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(-600)-(-451)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(-450)-(-301)	0.00	0.00	0.00	0.00	0.05	0.00	0.05	0.00	0.00
(-300)-(-151)	0.00	0.00	0.05	0.10	0.20	0.10	0.15	0.00	0.00
(-150)-(-1)	0.00	0.05	0.15	0.25	0.80	0.35	0.05	0.00	0.00
0-349	0.30	0.60	1.50	2.40	9.15	0.40	0.00	0.00	0.00
350-599	0.40	1.15	2.60	3.20	9.25	0.05	0.00	0.00	0.00
600-849	0.40	0.90	1.70	3.70	2.85	0.05	0.00	0.00	0.00

1600-1849	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1850-2099	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2100-2349	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2350-2600	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
>2600	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	0.35	0.05	0.05	0.00

Converter Output Speed vs Transmission Input Torque in 1R - Machine Control D6 (GZ901046)

rpm	800.0-999.9	1000.0-1199.9	1200.0-1399.9	1400.0-1599.9	1600.0-1799.9	1800.0-1999.9	2000.0-2199.9	2200.0-2399.9	2400.0-2599.9
N-m									
<(-600)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(-600)-(-451)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(-450)-(-301)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(-300)-(-151)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(-150)-(-1)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0-349	0.05	0.05	0.10	0.70	0.05	0.00	0.00	0.00	0.00
350-599	0.05	0.05	0.10	0.90	0.00	0.00	0.00	0.00	0.00
600-849	0.00	0.00	0.10	0.15	0.05	0.05	0.00	0.00	0.00
850-1099	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00
1100-1349	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1350-1599	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1600-1849	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1850-2099	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2100-2349	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2350-2600	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
>2600	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.10	0.10	0.35	1.75	0.10	0.05	0.00	0.00	0.00

Converter Output Speed vs Transmission Input Torque in 1R - Machine Control D6 (GZ901046)

rpm	2600.0-2799.9	2800.0-2999.9	3000.0-3499.9	3500.0-4000.0	>4000.0	Total
N-m						
<(-600)	0.00	0.00	0.00	0.00	0.00	0.00
(-600)-(-451)	0.00	0.00	0.00	0.00	0.00	0.00
(-450)-(-301)	0.00	0.00	0.00	0.00	0.00	0.00
(-300)-(-151)	0.00	0.00	0.00	0.00	0.00	0.00

(-150)-(-1)	0.00	0.00	0.00	0.00	0.00	0.00
0-349	0.00	0.00	0.00	0.00	0.00	1.00
350-599	0.00	0.00	0.00	0.00	0.00	1.15
600-849	0.00	0.00	0.00	0.00	0.00	0.45
850-1099	0.00	0.00	0.00	0.00	0.00	0.10
1100-1349	0.00	0.00	0.00	0.00	0.00	0.20
1350-1599	0.00	0.00	0.00	0.00	0.00	0.00
1600-1849	0.00	0.00	0.00	0.00	0.00	0.00
1850-2099	0.00	0.00	0.00	0.00	0.00	0.00
2100-2349	0.00	0.00	0.00	0.00	0.00	0.00
2350-2600	0.00	0.00	0.00	0.00	0.00	0.00
>2600	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.00	0.00	0.00	0.00	2.90

Converter Output Speed vs Transmission Input Torque in 2R - Machine Control D6 (GZ901046)

rpm	<(-1600.0)	(-1600.0)-(-1200.1)	(-1200.0)-(-800.1)	(-800.0)-(-400.1)	(-400.0)-(-0.1)	0.0-199.9	200.0-399.9	400.0-599.9	600.0-799.9
N-m									
<(-600)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(-600)-(-451)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(-450)-(-301)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(-300)-(-151)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(-150)-(-1)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0-349	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.05
350-599	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.05	0.15
600-849	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.15
850-1099	0.00	0.00	0.00	0.00	0.00	0.05	0.05	0.10	0.15
1100-1349	0.00	0.00	0.00	0.00	0.00	0.10	0.05	0.05	0.10
1350-1599	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05
1600-1849	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1850-2099	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2100-2349	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2350-2600	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
>2600	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	0.15	0.15	0.30	0.65

Converter Output Speed vs Transmission Input Torque in 2R - Machine Control D6 (GZ901046)

rpm	800.0-999.9	1000.0-1199.9	1200.0-1399.9	1400.0-1599.9	1600.0-1799.9	1800.0-1999.9	2000.0-2199.9	2200.0-2399.9	2400.0-2599.9
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N-m									
<(-600)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(-600)-(-451)	0.00	0.00	0.00	0.00	0.05	0.15	0.15	0.10	0.05
(-450)-(-301)	0.00	0.00	0.00	0.05	0.25	0.35	0.40	0.15	0.00
(-300)-(-151)	0.00	0.00	0.05	0.20	0.40	0.50	0.30	0.00	0.00
(-150)-(-1)	0.00	0.05	0.30	0.55	0.65	0.60	0.00	0.00	0.00
0-349	0.45	1.10	2.35	3.50	9.10	0.20	0.00	0.00	0.00
350-599	0.45	1.50	2.60	3.80	8.90	0.10	0.05	0.00	0.00
600-849	0.40	0.60	1.05	1.65	2.55	0.20	0.05	0.00	0.00
850-1099	0.25	0.45	0.35	0.60	0.30	0.00	0.00	0.00	0.00
1100-1349	0.20	0.15	0.05	0.05	0.00	0.00	0.00	0.00	0.00
1350-1599	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1600-1849	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1850-2099	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2100-2349	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2350-2600	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
>2600	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	1.80	3.85	6.75	10.40	22.20	2.10	0.95	0.25	0.05

Converter Output Speed vs Transmission Input Torque in 2R - Machine Control D6 (GZ901046)

rpm	2600.0-2799.9	2800.0-2999.9	3000.0-3499.9	3500.0-4000.0	>4000.0	Total
N-m						
<(-600)	0.00	0.00	0.00	0.00	0.00	0.00
(-600)-(-451)	0.00	0.00	0.00	0.00	0.00	0.50
(-450)-(-301)	0.00	0.00	0.00	0.00	0.00	1.20
(-300)-(-151)	0.00	0.00	0.00	0.00	0.00	1.45
(-150)-(-1)	0.00	0.00	0.00	0.00	0.00	2.15
0-349	0.00	0.00	0.00	0.00	0.00	16.80
350-599	0.00	0.00	0.00	0.00	0.00	17.65
600-849	0.00	0.00	0.00	0.00	0.00	6.70
850-1099	0.00	0.00	0.00	0.00	0.00	2.30
1100-1349	0.00	0.00	0.00	0.00	0.00	0.75
1350-1599	0.00	0.00	0.00	0.00	0.00	0.10
1600-1849	0.00	0.00	0.00	0.00	0.00	0.00
1850-2099	0.00	0.00	0.00	0.00	0.00	0.00
2100-2349	0.00	0.00	0.00	0.00	0.00	0.00
2350-2600	0.00	0.00	0.00	0.00	0.00	0.00
>2600	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.00	0.00	0.00	0.00	49.60

[illegible][illegible]

2350-2600	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
>2600	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

Converter Output Speed vs Transmission Input Torque in 4R - Machine Control D6 (GZ901046)

rpm	2600.0-2799.9	2800.0-2999.9	3000.0-3499.9	3500.0-4000.0	>4000.0	Total
N-m						
<(-600)	0.00	0.00	0.00	0.00	0.00	0.00
(-600)-(-451)	0.00	0.00	0.00	0.00	0.00	0.00
(-450)-(-301)	0.00	0.00	0.00	0.00	0.00	0.00
(-300)-(-151)	0.00	0.00	0.00	0.00	0.00	0.00
(-150)-(-1)	0.00	0.00	0.00	0.00	0.00	0.00
0-349	0.00	0.00	0.00	0.00	0.00	0.00
350-599	0.00	0.00	0.00	0.00	0.00	0.00
600-849	0.00	0.00	0.00	0.00	0.00	0.00
850-1099	0.00	0.00	0.00	0.00	0.00	0.00
1100-1349	0.00	0.00	0.00	0.00	0.00	0.00
1350-1599	0.00	0.00	0.00	0.00	0.00	0.00
1600-1849	0.00	0.00	0.00	0.00	0.00	0.00
1850-2099	0.00	0.00	0.00	0.00	0.00	0.00
2100-2349	0.00	0.00	0.00	0.00	0.00	0.00
2350-2600	0.00	0.00	0.00	0.00	0.00	0.00
>2600	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

Shift Count Matrix - Machine Control D6 (GZ901046)

Gear Being Shifted To	N	1F	2F	3F	4F	5F	4R	3R	2R
Gear Being Shifted From									
N	302	0	1385	3433	1487	166	66	960	2705
1F	0	0	0	0	0	0	0	0	0
2F	1030	0	37	5279	25	1	49	1820	8010
3F	2494	0	11620	283	3133	5	82	3012	14032
4F	1002	0	2251	3791	105	328	102	3697	2290
5F	175	0	35	23	258	0	35	48	27
4R	80	0	0	62	139	25	2	73	15
3R	1428	0	66	2477	5414	60	59	34	763
2R	3609	0	1935	18447	3095	23	2	753	200
1R	1426	0	5642	3088	5	0	0	1	1698
Total	11546	0	22971	36883	13661	608	397	10398	29740

Shift Count Matrix - Machine Control D6 (GZ901046)

Gear Being Shifted To	1R	Total
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Gear Being Shifted From		
N	1168	11672
1F	0	0
2F	6702	22953
3F	2183	36844
4F	60	13626
5F	4	605
4R	1	397
3R	89	10390
2R	1659	29723
1R	39	11899
Total	11905	138109

Gear Shift Count by Transmission Input Torque - Machine Control D6 (GZ901046)

Speed Shift Identifier	1F-2F	2F-3F	3F-4F	4F-5F	5F-4F	4F-3F	4F-2F	3F-2F	2F-1F
N-m									
<(-400)	0	0	0	0	0	0	0	0	0
(-400)-(-201)	0	0	0	0	0	1	0	0	0
(-200)-149	0	10	16	2	6	10	0	8	0
150-699	0	413	152	11	10	72	13	263	0
700-1249	0	316	147	13	8	236	135	1016	0
1250-1799	0	1	3	3	0	19	19	130	0
1800-2350	0	0	0	0	0	0	0	0	0
>2350	0	0	0	0	0	0	0	0	0
Total	0	740	318	29	24	338	167	1417	0

Gear Shift Count by Transmission Input Torque - Machine Control D6 (GZ901046)

Speed Shift Identifier	1R-2R	2R-3R	3R-4R	4R-3R	3R-2R	2R-1R	Total
N-m							
<(-400)	0	0	0	0	0	0	0
(-400)-(-201)	0	0	0	0	0	2	3
(-200)-149	11	1	0	0	1	8	73
150-699	97	52	7	7	25	67	1189
700-1249	41	16	2	0	36	160	2126
1250-1799	1	1	0	0	0	5	182
1800-2350	0	0	0	0	0	4	4
>2350	0	0	0	0	0	0	0
Total	150	70	9	7	62	246	3577

Transmission Slip Count Detected by Gear - Machine Control D6 (GZ901046)

Actual Gear()	Count	%
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1F	0	0.00
2F	1	100.00
3F	0	0.00
4F	0	0.00
5F	0	0.00
4R	0	0.00
3R	0	0.00
2R	0	0.00
1R	0	0.00

Job:Accumulated Time vs Desired Track Speed Range - Machine Control D6 (GZ901046)

Desired Track Speed Range()	hours	%
(-3.0)	0.00	0.00
(-2.9)	0.00	0.00
(-2.8)	0.00	0.00
(-2.7)	0.00	0.00
(-2.6)	0.00	0.00
(-2.5)	0.00	0.00
(-2.4)	0.05	0.12
(-2.3)	0.00	0.00
(-2.2)	0.00	0.00
(-2.1)	0.05	0.12
(-2.0)	8.45	19.95
(-1.9)	0.25	0.59
(-1.8)	0.00	0.00
(-1.7)	0.00	0.00
(-1.6)	0.05	0.12
(-1.5)	2.75	6.49
(-1.4)	0.00	0.00
(-1.3)	0.00	0.00
(-1.2)	0.00	0.00
(-1.1)	0.00	0.00
(-1.0)	0.05	0.12
(-0.9)	0.00	0.00
(-0.8)	0.00	0.00
(-0.7)	0.00	0.00
(-0.6)	0.00	0.00
(-0.5)	0.00	0.00
(-0.4)	0.00	0.00
(-0.3)	0.00	0.00
(-0.2)	0.00	0.00
(-0.1)	0.00	0.00
0.1	0.00	0.00
0.2	0.05	0.12
0.3	0.00	0.00
0.4	0.00	0.00
0.5	0.00	0.00
0.6	0.00	0.00

0.7	0.00	0.00
0.8	0.00	0.00
0.9	0.00	0.00
1.0	4.70	11.10
1.1	1.00	2.36
1.2	0.05	0.12
1.3	0.10	0.24
1.4	0.60	1.42
1.5	20.95	49.47
1.6	1.80	4.25
1.7	0.90	2.13
1.8	0.05	0.12
1.9	0.00	0.00
2.0	0.40	0.94
2.1	0.00	0.00
2.2	0.00	0.00
2.3	0.00	0.00
2.4	0.00	0.00
2.5	0.05	0.12
2.6	0.00	0.00
2.7	0.00	0.00
2.8	0.00	0.00
2.9	0.00	0.00
3.0	0.05	0.12

Torque Converter Ratio vs Engine Speed in Converter Drive - Machine Control D6 (GZ901046)

rpm	<700.0	700.0-899.9	900.0-1099.9	1100.0-1299.9	1300.0-1399.9	1400.0-1449.9	1450.0-1499.9	1500.0-1549.9	1550.0-1599.9
Torque Converter Speed Ratio/Rotation									
<(-0.300)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(-0.300)-(-0.151)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(-0.150)-(-0.001)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.000-0.099	0.00	0.05	0.10	0.05	0.00	0.00	0.00	0.00	0.00
0.100-0.199	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.200-0.299	0.00	0.05	0.00	0.05	0.00	0.00	0.00	0.00	0.00
0.300-0.399	0.00	0.05	0.05	0.05	0.00	0.00	0.00	0.00	0.00
0.400-0.449	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00
0.450-0.499	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00

0.200-0.299	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.300-0.399	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.400-0.449	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.450-0.499	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.500-0.549	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.550-0.599	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.600-0.649	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.650-0.699	0.10	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.700-0.749	0.10	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.750-0.799	0.10	0.10	0.05	0.00	0.00	0.00	0.00	0.00	0.00
0.800-0.849	0.10	0.15	0.10	0.05	0.00	0.00	0.00	0.00	0.00
0.850-0.899	0.30	0.20	0.15	0.15	0.15	0.00	0.00	0.00	0.00
0.900-0.949	1.50	0.40	0.35	0.60	0.70	0.10	0.00	0.00	0.00
0.950-0.999	0.15	0.15	0.20	0.30	0.25	0.05	0.00	0.00	0.00
1.000-1.049	0.05	0.05	0.05	0.10	0.15	0.00	0.00	0.00	0.00
1.050-1.099	0.00	0.00	0.05	0.05	0.05	0.00	0.00	0.00	0.00
1.100-1.199	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.200-1.399	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.400-1.599	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.600-2.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
>2.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	2.45	1.20	0.95	1.25	1.30	0.15	0.00	0.00	0.00

Torque Converter Ratio vs Engine Speed in Converter Drive - Machine Control D6 (GZ901046)

[illegible]

(-0.150)-(-0.001)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.000-0.099	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20
0.100-0.199	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.200-0.299	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10
0.300-0.399	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.15
0.400-0.449	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05
0.450-0.499	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05
0.500-0.549	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.15
0.550-0.599	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20
0.600-0.649	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.35
0.650-0.699	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45
0.700-0.749	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.65
0.750-0.799	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.80
0.800-0.849	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.15
0.850-0.899	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.40
0.900-0.949	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.95
0.950-0.999	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.30
1.000-1.049	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.65
1.050-1.099	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.25
1.100-1.199	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10
1.200-1.399	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.400-1.599	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.600-2.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
>2.000	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	28.95

Engine Speed in Direct Drive - Machine Control D6 (GZ901046)

Engine Speed(rpm)	hours	%
<700.0	0.00	0.00
700.0-899.9	0.00	0.00
900.0-1099.9	0.00	0.00

1.50-1.74	0	0	0	0	0	0	0	0	0
1.75-1.99	0	0	0	0	0	0	0	0	0
2.00-2.24	0	0	0	0	0	0	0	0	0
2.25-2.49	0	0	0	0	0	0	0	0	0
2.50-2.74	0	0	0	0	0	0	0	0	0
2.75-3.00	0	0	0	0	0	0	0	0	0
>3.00	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0

Directional Shift Braking Time vs Transmission Output Speed - Machine Control D6 (GZ901046)

rpm	(-2000)-(-1751)	(-1750)-(-1501)	(-1500)-1249	1250-1399	1400-1549	1550-1699	1700-1849	1850-1999	2000-2149
sec									
0.00-0.24	0	0	0	0	0	0	0	0	0
0.25-0.49	0	0	5	0	0	0	0	0	0
0.50-0.74	0	0	29	0	0	0	0	0	0
0.75-0.99	0	2	38	0	0	0	0	0	0
1.00-1.24	1	4	224	0	0	0	0	0	0
1.25-1.49	0	14	689	2	0	0	0	1	0
1.50-1.74	2	64	5452	12	3	1	0	0	0
1.75-1.99	7	87	517	0	1	0	0	0	0
2.00-2.24	2	13	229	0	0	0	0	0	0
2.25-2.49	0	0	2	0	0	0	0	0	0
2.50-2.74	0	0	0	0	0	0	0	0	0
2.75-3.00	0	0	0	0	0	0	0	0	0
>3.00	0	0	2	0	0	0	0	0	0
Total	12	184	7187	14	4	1	0	1	0

Directional Shift Braking Time vs Transmission Output Speed - Machine Control D6 (GZ901046)

rpm	2150-2299	2300-2499	2500-2999	3000-3500	>3500	Total
sec						
0.00-0.24	0	0	0	0	0	0
0.25-0.49	0	0	0	0	0	5
0.50-0.74	0	0	0	0	0	29
0.75-0.99	0	0	0	0	0	40

1.00-1.24	0	0	0	0	0	229
1.25-1.49	0	0	0	0	0	706
1.50-1.74	0	0	0	0	0	5534
1.75-1.99	0	0	0	0	0	612
2.00-2.24	0	0	0	0	0	244
2.25-2.49	0	0	0	0	0	2
2.50-2.74	0	0	0	0	0	0
2.75-3.00	0	0	0	0	0	0
>3.00	0	0	0	0	0	2
Total	0	0	0	0	0	7403

Time in Gear Before Upshift in Autoshift Mode - Machine Control D6 (GZ901046)

sec	0.0-1.9	2.0-4.9	5.0-9.9	10.0-19.9	20.0-60.0	>60.0	Total
Gear Being Shifted From							
1F	0	0	0	0	0	0	0
2F	62	2762	4742	4382	1550	195	13693
3F	1235	3386	1991	973	519	140	8244
4F	218	163	103	88	79	31	682
3R	33	121	41	8	0	0	203
2R	118	849	436	133	20	1	1557
1R	169	811	529	565	370	2	2446
Total	1835	8092	7842	6149	2538	369	26825

Time in Gear Before Downshift in Autoshift Mode - Machine Control D6 (GZ901046)

sec	0.0-1.9	2.0-4.9	5.0-9.9	10.0-19.9	20.0-60.0	>60.0	Total
Gear Being Shifted From							
2F	3	0	0	0	0	0	3
3F	409	800	922	447	298	76	2952
4F	49	599	329	161	89	50	1277
5F	1	19	7	8	8	1	44
4R	10	3	6	5	0	0	24
3R	20	135	58	27	5	0	245
2R	76	267	72	38	24	0	477
Total	568	1823	1394	686	424	127	5022

Time Coasting in N vs Transmission Output Speed - Machine Control D6 (GZ901046)

Transmission Output Speed(rpm)	hours	%
<(-5500.0)	0.05	0.01
(-5500.0)-(-5000.1)	0.00	0.00
(-5000.0)-(-4500.1)	0.00	0.00
(-4500.0)-(-4000.1)	0.00	0.00
(-4000.0)-(-3500.1)	0.00	0.00
(-3500.0)-(-3000.1)	0.00	0.00
(-3000.0)-(-2500.1)	0.00	0.00

(-2500.0)-(-2200.1)	0.00	0.00
(-2200.0)-(-1900.1)	0.00	0.00
(-1900.0)-(-1600.1)	0.00	0.00
(-1600.0)-(-1300.1)	0.00	0.00
(-1300.0)-(-1000.1)	0.05	0.01
(-1000.0)-(-700.1)	0.40	0.05
(-700.0)-(-400.1)	4.35	0.51
(-400.0)-(-0.1)	10.05	1.17
0.0-399.9	840.65	98.16
400.0-699.9	0.85	0.10
700.0-999.9	0.05	0.01
1000.0-1299.9	0.00	0.00
1300.0-1599.9	0.00	0.00
1600.0-1899.9	0.00	0.00
1900.0-2199.9	0.00	0.00
2200.0-2499.9	0.00	0.00
2500.0-2999.9	0.00	0.00
3000.0-3499.9	0.00	0.00
3500.0-3999.9	0.00	0.00
4000.0-4499.9	0.00	0.00
4500.0-4999.9	0.00	0.00
5000.0-5500.0	0.00	0.00
>5500.0	0.00	0.00

Lockup Clutch Engagement Frequency - Machine Control D6 (GZ901046)

sec	0.0-1.9	2.0-4.9	5.0-9.9	10.0-19.9	20.0-60.0	>60.0	Total
Transmissi on Driveline Engaged							
Time in Direct Drive	200010	41282	45837	37638	21159	2938	348864
Time in Converter Drive	8896	73650	31437	30622	19980	11081	175666
Total	208906	114932	77274	68260	41139	14019	524530

Transmission Output Speed at Start of Transmission Shift - Machine Control D6 (GZ901046)

rpm	<(-1600)	(-1600)- (-1401)	(-1400)- (-1201)	(-1200)- (-1)	0-999	1000- 1199	1200- 1300	>1300	Total
Transmi ssion Gear Shift									
N-F	0	2	3	17934	24454	3	0	0	42396
N-R	3	1	3	10378	17950	0	0	0	28335
F-R	0	0	3	57761	31254	0	0	0	89018
R-F	9	72	171	27508	46847	0	0	0	74607
Total	12	75	180	113581	120505	3	0	0	234356

Bidirectional Dial Position vs Time - Machine Control D6 (GZ901046)

Bidirectional Autoshift Selector Dial Position()	hours	%
1.0	0.70	0.04
2.0	0.00	0.00
3.0	0.00	0.00
4.0	0.00	0.00
5.0	1935.05	99.96

Job:Accumulated Time vs Transmission Output Speed And Transmission Input Torque - Machine Control D6 (GZ901046)

rpm	<(-3000)	(-3000)-(-2251)	(-2250)-(-1501)	(-1500)-(-751)	(-750)-(-1)	0-749	750-1499	1500-2249	2250-3000
N-m									
<(-6000)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(-6000)-(-4001)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(-4000)-(-2001)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(-2000)-(-1)	0.00	0.00	0.10	2.80	0.70	1.75	0.15	0.00	0.00
0-2449	0.00	0.00	0.00	4.90	14.75	23.05	0.05	0.00	0.00
2450-4999	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00
5000-7550	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
>7550	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	7.70	15.45	24.85	0.20	0.00	0.00

Job:Accumulated Time vs Transmission Output Speed And Transmission Input Torque - Machine Control D6 (GZ901046)

rpm	>3000	Total
N-m		
<(-6000)	0.00	0.00
(-6000)-(-4001)	0.00	0.00
(-4000)-(-2001)	0.00	0.00
(-2000)-(-1)	0.00	5.50
0-2449	0.00	42.75
2450-4999	0.00	0.05
5000-7550	0.00	0.00
>7550	0.00	0.00
Total	0.00	48.30

Time in Gear Before Upshift in Manual Mode - Machine Control D6 (GZ901046)

sec	0.0-1.9	2.0-4.9	5.0-9.9	10.0-19.9	20.0-60.0	>60.0	Total
Gear Being Shifted From							
1F	0	0	0	0	0	0	0
2F	3	5	5	4	5	0	22

3F	4	5	1	3	2	1	16
4F	1	2	0	0	2	1	6
3R	0	0	1	0	0	0	1
2R	0	3	2	0	0	0	5
1R	1	3	2	2	2	0	10
Total	9	18	11	9	11	2	60

Time in Gear Before Downshift in Manual Mode - Machine Control D6 (GZ901046)

sec	0.0-1.9	2.0-4.9	5.0-9.9	10.0-19.9	20.0-60.0	>60.0	Total
Gear Being Shifted From							
2F	0	0	0	0	0	0	0
3F	8	0	0	1	1	0	10
4F	4	2	4	0	0	1	11
5F	4	1	1	1	0	0	7
4R	0	0	0	1	0	0	1
3R	3	0	0	0	0	0	3
2R	0	1	1	0	0	0	2
Total	19	4	6	3	1	1	34

Job:Accumulated Time vs Time in Manual Mode - Machine Control D6 (GZ901046)

Time in Manual Mode()	hours	%
1.0	0.00	0.00

Port Statistics Snapshot - Machine Control D6 (GZ901046)

J3A:1 J3A:2

Description	Value
Network Media Duplex Mode	Full Duplex
Number of Network Collisions	0
Signal Quality	Excellent
Network Bandwidth	100 Mbit/s
Number of Transmitted Octets	54239
Number of Received Octets	16235
Number of Inbound Discarded Packets	0
Network Interface Operational Status	Up
Number of Outbound Error Packets	0
Number of Inbound Error Packets	0
Number of Outbound Discarded Packets	0

J3B:1 J3B:2

Description	Value
Network Media Duplex Mode	Full Duplex
Number of Network Collisions	0
Signal Quality	Excellent
Network Bandwidth	100 Mbit/s
Number of Transmitted Octets	3959
Number of Received Octets	36429

Number of Inbound Discarded Packets	0
Network Interface Operational Status	Up
Number of Outbound Error Packets	0
Number of Inbound Error Packets	0
Number of Outbound Discarded Packets	0

C9.3 D6 (XWE09830)

Parameter	Value
Equipment ID	GZ901046
Engine Serial Number	XWE09830
ECM Part Number	5210791-04
ECM Serial Number	21032600407B001M
Software Group Part Number	6370221-00
Software Group Release Date	JAN23
Software Group Description	C9.3B T4F - D6 TTT
Calibration Identification Number	CF118_07
Operator Inducement Regulation Configuration	European Union (EU)

Logged Diagnostic Codes [Diagnostic Clock = 4045 hours] - C9.3 D6 (XWE09830)

Code	Description	Occ.	First	Last
No Logged Diagnostic Codes				

Logged Event Codes [Diagnostic Clock = 4045 hours] - C9.3 D6 (XWE09830)

Code	Description	Occ.	First	Last
E114 (1)	Aftertreatment #1 DEF Dosing Unit #1 Input Lines Not Purged	1	4045	4045
E954 (1)	Low Aftertreatment DEF Tank Level	3	3979	4004

Active Diagnostic Codes - C9.3 D6 (XWE09830)

Code	Description
No Active Diagnostic Codes	

Active Event Codes - C9.3 D6 (XWE09830)

Code	Description
No Active Events	

System Communication Status - Active Problems - C9.3 D6 (XWE09830)

ECMs	Detected Problem	Data Link	Diagnostic Information
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System Communication Status - Inactive Problems - C9.3 D6 (XWE09830)

ECMs	Detected Problem	Data Link	Diagnostic Information
Device 1: C9.3 D6 (XWE09830) - Device 2: Aftertreatment #1 DEF Sensor	Device #1 is unable to communicate with Device #2 on the data link.	J1939 #3	Diagnostic Code: 5856-9 - Service Hour Meter: 1396:03:45 -

Current Totals - C9.3 D6 (XWE09830)

Description	Value	Unit
Total Idle Time	1321:45	hours
Total Fuel	68454	L
Total Engine #1 Fuel	68257	L
Total ARD Fuel	196.875	L
Total Idle Fuel	4799	L
Total Max Fuel	174209	L
Aftertreatment #1 Total DEF Used	4590.6	L
Engine Lifetime Hours	4017.7	hours
Average Load Factor	37	%
Engine Starts	2289	
Lifetime Total Engine Revolutions	314527644	rev
Total Operating Hours	4045.5	hours
Operator Inducement Emergency Override Total Activations	0	
Operator Inducement Emergency Override Total Resets	0	
DPF #1 Last Ash Service Engine Lifetime Hours	0.0	hours
DPF #1 Hours Since Last Ash Service	4017.7	hours
Total Engine Idle Shutdown Count	0	
Total Engine Idle Shutdown Overrides Count	0	
Total Delayed Engine Shutdown Count	740	
Total Delayed Engine Shutdown Overrides Count	10	
Exhaust Particulate Control System Diagnostic Time	0	sec
Exhaust Particulate Control System Diagnostic Count	0	
SCR Operator Inducement Emergency Override Total Activation Time	0	sec
Starts/Hour	0.57	
Average RPM	1304.77	rpm
Percentage Idle Time	32.88	%
Average Fuel Rate	17.04	L/h
Overall Load Factor	39	%

Configuration - C9.3 D6 (XWE09830)

Description	Value	Unit
Equipment ID	GZ901046	
Engine Serial Number	XWE09830	

ECM Part Number	5210791-04	
ECM Serial Number	21032600407B001M	
Software Group Part Number	6370221-00	
Software Group Release Date	JAN23	
Software Group Description	C9.3B T4F - D6 TTT	
Rating Number	1	
Rated Power	166 kW at 2200 rpm	
Rated Peak Torque	1496 N-m at 1200 rpm	
Low Idle Speed	800	rpm
High Idle Speed	2300	rpm
DPF Type	Type 1	
Ether Solenoid Configuration	Continuous Flow Solenoid	
Crankcase Pressure Sensor Installation Status	Installed	
Ambient Air Temperature Sensor Installation Status	Not Installed	
Fuel/Water Separator Switch Installation Status	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	15.0	min
Engine Cooling Fan Zero Speed Enable Configuration	Installed	
Engine Fan Reversing Feature	Enabled	
Engine Fan Purge Cycle Duration	25.0	sec
Engine Fan Purge Cycle Interval	7200	sec
Engine Fan Reverse Operation Early Termination Enable Status	Enabled	
ARD Manual Disable Status	Not Disabled	
High Soot Load Aftertreatment Protection Enable Status	Enabled	
Operator Inducement Progress Configuration	Reduced Performance	
Operator Inducement Regulation Configuration	European Union (EU)	
Operator Inducement Emergency Override Enable Status	Disabled	
Operator Inducement Emergency Override Activation	Not Activated	
Operator Final Inducement Action	Shutdown	
Delayed Engine Shutdown Aftertreatment Gas Temperature Threshold	310.0	Deg C
ARD Auto Regeneration Enable Status	Enabled	
Factory Installed Aftertreatment #1 Identification Number	CWP233369A	
System Operating Voltage Configuration	24 Volt	
FLS	6	
FTS	-11	
CAN Communication Protocol Write Security	Seed and Key Access	

CAN Communication Protocol Read Security	Seed and Key Access	
Total Tattletale	212	

Lifetime:Accumulated Time vs Air Inlet Temperature - C9.3 D6 (XWE09830)

Air Inlet Temperature(Deg C)	hours	%
<(-20.00)	0.30	0.01
(-20.00)-(-15.01)	0.00	0.00
(-15.00)-(-10.01)	0.00	0.00
(-10.00)-(-5.01)	0.25	0.01
(-5.00)-(-0.01)	16.75	0.42
0.00-4.99	197.55	4.95
5.00-9.99	695.55	17.42
10.00-14.99	1208.05	30.25
15.00-19.99	1245.30	31.18
20.00-24.99	485.80	12.16
25.00-29.99	121.20	3.03
30.00-34.99	20.95	0.52
35.00-39.99	1.95	0.05
40.00-44.99	0.05	0.00
45.00-49.99	0.00	0.00
50.00-54.99	0.00	0.00
55.00-59.99	0.00	0.00
60.00-64.99	0.00	0.00
65.00-69.99	0.00	0.00
70.00-74.99	0.00	0.00
75.00-80.00	0.00	0.00
>80.00	0.00	0.00

Lifetime:Accumulated Time vs Intake Manifold Pressure - C9.3 D6 (XWE09830)

Intake Manifold Pressure(kPa)	hours	%
<80.00	1.30	14.61
80.00-89.99	0.85	9.55
90.00-99.99	0.70	7.87
100.00-109.99	1.15	12.92
110.00-119.99	2.55	28.65
120.00-129.99	2.20	24.72
130.00-139.99	0.15	1.69
140.00-149.99	0.00	0.00
150.00-159.99	0.00	0.00
160.00-169.99	0.00	0.00
170.00-179.99	0.00	0.00
180.00-189.99	0.00	0.00
190.00-199.99	0.00	0.00
200.00-209.99	0.00	0.00
210.00-219.99	0.00	0.00
220.00-229.99	0.00	0.00
230.00-239.99	0.00	0.00

240.00-249.99	0.00	0.00
250.00-259.99	0.00	0.00
260.00-269.99	0.00	0.00
270.00-279.99	0.00	0.00
280.00-289.99	0.00	0.00
290.00-299.99	0.00	0.00
300.00-309.99	0.00	0.00
310.00-319.99	0.00	0.00
320.00-329.99	0.00	0.00
330.00-339.99	0.00	0.00
340.00-349.99	0.00	0.00
350.00-359.99	0.00	0.00
360.00-369.99	0.00	0.00
370.00-379.99	0.00	0.00
380.00-389.99	0.00	0.00
390.00-399.99	0.00	0.00
400.00-409.99	0.00	0.00
410.00-419.99	0.00	0.00
420.00-429.99	0.00	0.00
430.00-439.99	0.00	0.00
440.00-449.99	0.00	0.00
450.00-459.99	0.00	0.00
460.00-469.99	0.00	0.00
470.00-479.99	0.00	0.00
480.00-489.99	0.00	0.00
490.00-499.99	0.00	0.00
500.00-509.99	0.00	0.00
510.00-519.99	0.00	0.00
520.00-529.99	0.00	0.00
530.00-539.99	0.00	0.00
540.00-549.99	0.00	0.00
550.00-559.99	0.00	0.00
560.00-569.99	0.00	0.00
570.00-579.99	0.00	0.00
580.00-589.99	0.00	0.00
590.00-600.00	0.00	0.00
>600.00	0.00	0.00

Lifetime:Accumulated Time vs Engine Coolant Temperature - C9.3 D6 (XWE09830)

Engine Coolant Temperature(Deg C)	hours	%
<0.00	0.30	0.01
0.00-4.99	0.00	0.00
5.00-9.99	0.15	0.00
10.00-14.99	0.95	0.02
15.00-19.99	3.25	0.08
20.00-24.99	7.00	0.18
25.00-29.99	10.10	0.25

30.00-34.99	11.90	0.30
35.00-39.99	12.85	0.32
40.00-44.99	12.10	0.30
45.00-49.99	14.55	0.36
50.00-54.99	15.90	0.40
55.00-59.99	19.90	0.50
60.00-64.99	26.00	0.65
65.00-69.99	36.00	0.90
70.00-74.99	51.55	1.29
75.00-79.99	74.50	1.87
80.00-84.99	2839.35	71.12
85.00-89.99	824.65	20.65
90.00-94.99	31.50	0.79
95.00-99.99	0.00	0.00
100.00-104.99	0.00	0.00
105.00-109.99	0.00	0.00
110.00-114.99	0.00	0.00
115.00-119.99	0.00	0.00
120.00-124.99	0.00	0.00
125.00-129.99	0.00	0.00
130.00-134.99	0.00	0.00
135.00-139.99	0.00	0.00
140.00-144.99	0.00	0.00
145.00-150.00	0.00	0.00
>150.00	0.00	0.00

Lifetime:Accumulated Time vs Engine Speed - C9.3 D6 (XWE09830)

Engine Speed(rpm)	hours	%
<550.0	1.15	0.03
550.0-599.9	0.15	0.00
600.0-649.9	0.25	0.01
650.0-699.9	0.15	0.00
700.0-749.9	0.30	0.01
750.0-799.9	551.50	13.81
800.0-849.9	707.70	17.72
850.0-899.9	3.10	0.08
900.0-949.9	6.80	0.17
950.0-999.9	40.95	1.03
1000.0-1049.9	137.85	3.45
1050.0-1099.9	52.40	1.31
1100.0-1149.9	47.60	1.19
1150.0-1199.9	72.65	1.82
1200.0-1249.9	84.95	2.13
1250.0-1299.9	70.50	1.77
1300.0-1349.9	79.70	2.00
1350.0-1399.9	107.35	2.69
1400.0-1449.9	123.40	3.09
1450.0-1499.9	137.20	3.44

1500.0-1549.9	164.35	4.12
1550.0-1599.9	199.45	4.99
1600.0-1649.9	274.30	6.87
1650.0-1699.9	385.70	9.66
1700.0-1749.9	432.55	10.83
1750.0-1799.9	134.80	3.38
1800.0-1849.9	103.85	2.60
1850.0-1899.9	28.90	0.72
1900.0-1949.9	15.30	0.38
1950.0-1999.9	11.35	0.28
2000.0-2049.9	8.95	0.22
2050.0-2099.9	4.90	0.12
2100.0-2149.9	1.90	0.05
2150.0-2199.9	0.80	0.02
2200.0-2249.9	0.35	0.01
2250.0-2299.9	0.20	0.01
2300.0-2349.9	0.10	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

Engine Overspeed Histogram: Accumulated Time (sec) vs Engine Speed - C9.3 D6 (XWE09830)

Engine Speed(rpm)	Count	%
2500.0-2599.9	2	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 - C9.3 D6 (XWE09830)

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	0.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.0-9.9	0.00	0.00	0.00	0.00	1.20	3.80	1.90	3.20	19.25
10.0-19.9	0.00	0.00	0.00	0.05	511.30	651.15	0.35	0.90	6.25
20.0-29.9	0.00	0.00	0.00	0.00	1.50	1.55	0.10	0.55	5.00
30.0-39.9	0.00	0.00	0.00	0.00	1.55	1.45	0.10	0.50	4.70
40.0-49.9	0.00	0.00	0.00	0.00	1.25	1.15	0.10	0.45	2.05
50.0-59.9	0.00	0.00	0.00	0.00	0.25	0.15	0.05	0.30	0.90
60.0-69.9	0.00	0.00	0.00	0.00	0.10	0.10	0.05	0.20	0.45
70.0-79.9	0.00	0.00	0.00	0.00	0.05	0.10	0.05	0.15	0.30
80.0-89.9	0.00	0.00	0.00	0.00	0.05	0.10	0.10	0.15	0.20
90.0-100.0	0.85	0.20	0.05	0.05	0.10	0.10	0.15	0.20	0.15
>100.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	1.10	0.20	0.05	0.10	517.35	659.65	2.95	6.60	39.25

Lifetime:Accumulated Time vs Engine Speed And Percent Engine Load at Current Engine Speed - C9.3 D6 (XWE09830)

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	83.45	22.25	18.30	19.25	19.15	11.60	11.20	15.10	16.45
10.0-19.9	23.00	9.35	8.60	27.80	32.25	12.35	11.30	11.70	10.80
20.0-29.9	9.70	6.40	5.65	6.10	7.30	11.15	10.75	14.60	14.25
30.0-39.9	11.65	6.60	5.40	5.80	6.90	9.75	10.75	14.25	15.85
40.0-49.9	2.75	2.90	3.55	4.30	5.35	6.60	8.35	11.10	12.95
50.0-59.9	1.15	1.35	1.75	2.35	3.25	4.35	5.90	8.35	10.05
60.0-69.9	0.60	0.85	1.20	1.75	2.40	3.35	4.60	6.60	7.95

70.0-79.9	0.50	0.75	1.25	1.95	3.30	4.75	6.80	10.00	14.60
80.0-89.9	0.25	0.35	0.50	0.90	1.60	3.00	6.75	11.65	16.10
90.0-100.0	0.15	0.15	0.25	0.55	1.30	1.95	1.50	1.10	0.90
>100.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	133.20	50.95	46.45	70.75	82.80	68.85	77.90	104.45	119.90

Lifetime:Accumulated Time vs Engine Speed And Percent Engine Load at Current Engine Speed - C9.3 D6 (XWE09830)

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	10.90	9.60	9.05	9.55	7.55	11.55	16.90	12.00	2.75
10.0-19.9	10.50	10.70	11.55	11.50	9.20	27.70	24.15	7.45	1.15
20.0-29.9	15.75	14.10	17.60	29.30	26.45	106.90	13.90	9.60	1.55
30.0-39.9	17.45	17.75	22.00	33.70	73.90	142.60	9.10	7.65	1.35
40.0-49.9	13.95	15.40	17.35	27.30	99.40	36.60	7.10	5.60	1.45
50.0-59.9	11.95	14.80	23.45	53.25	49.90	17.80	6.00	4.80	1.60
60.0-69.9	10.55	23.25	30.10	20.00	20.20	14.10	6.20	5.10	1.80
70.0-79.9	19.60	22.65	20.15	23.85	30.35	22.70	17.60	15.90	13.90
80.0-89.9	22.30	32.25	42.95	58.85	63.40	44.40	25.60	10.55	2.30
90.0-100.0	0.60	0.20	0.05	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	133.55	160.70	194.25	267.30	380.35	424.35	126.55	78.65	27.85

Lifetime:Accumulated Time vs Engine Speed And Percent Engine Load at Current Engine Speed - C9.3 D6 (XWE09830)

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	1.00	0.55	0.35	0.25	0.15	0.10	0.05	0.05	0.00
10.0-19.9	0.20	0.10	0.05	0.05	0.00	0.00	0.00	0.00	0.00
20.0-29.9	0.25	0.30	0.25	0.05	0.05	0.00	0.00	0.00	0.00
30.0-39.9	0.35	0.20	0.15	0.10	0.05	0.05	0.00	0.00	0.00
40.0-49.9	0.45	0.25	0.20	0.15	0.10	0.05	0.00	0.00	0.00

50.0-59.9	0.45	0.25	0.30	0.25	0.15	0.05	0.00	0.00	0.00
60.0-69.9	0.60	0.45	0.55	0.70	0.50	0.20	0.10	0.05	0.00
70.0-79.9	11.40	8.80	4.80	1.55	0.35	0.10	0.00	0.00	0.00
80.0-89.9	0.45	0.40	2.15	1.60	0.30	0.10	0.05	0.00	0.00
90.0-100.0	0.00	0.00	0.05	0.15	0.25	0.15	0.10	0.05	0.00
>100.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	15.15	11.30	8.85	4.85	1.90	0.80	0.30	0.15	0.00

Lifetime:Accumulated Time vs Engine Speed And Percent Engine Load at Current Engine Speed - C9.3 D6 (XWE09830)

rpm	2350.0-2400.0	>2400.0	Total
%			
<0.0	0.00	0.00	0.25
0.0-9.9	0.00	0.00	338.45
10.0-19.9	0.00	0.00	1431.45
20.0-29.9	0.00	0.00	330.65
30.0-39.9	0.00	0.00	421.65
40.0-49.9	0.00	0.00	288.20
50.0-59.9	0.00	0.00	225.15
60.0-69.9	0.00	0.00	164.65
70.0-79.9	0.00	0.00	258.25
80.0-89.9	0.00	0.00	349.35
90.0-100.0	0.00	0.00	11.30
>100.0	0.00	0.00	0.00
Total	0.00	0.00	3819.35

High Turbo Speed Prevention Derate Time - C9.3 D6 (XWE09830)

Deg C	<5.00	5.00-14.99	15.00-24.99	25.00-34.99	35.00-44.99	45.00-54.99	55.00-65.00	>65.00	Total
kPa									
<60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
60.00-67.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
68.00-75.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
76.00-83.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
84.00-91.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
92.00-100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
>100.00	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 Intake Manifold Air Temperature - C9.3 D6 (XWE09830)

Intake Manifold Air	hours	%
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Temperature(Deg C)		
<0.00	1.60	0.04
0.00-4.99	5.80	0.15
5.00-9.99	31.45	0.79
10.00-14.99	99.70	2.50
15.00-19.99	226.75	5.68
20.00-24.99	532.35	13.32
25.00-29.99	657.00	16.44
30.00-34.99	664.10	16.62
35.00-39.99	691.00	17.29
40.00-44.99	649.00	16.24
45.00-49.99	404.70	10.13
50.00-54.99	30.05	0.75
55.00-59.99	1.90	0.05
60.00-64.99	0.05	0.00
65.00-69.99	0.00	0.00
70.00-74.99	0.00	0.00
75.00-79.99	0.00	0.00
80.00-84.99	0.00	0.00
85.00-89.99	0.00	0.00
90.00-94.99	0.00	0.00
95.00-99.99	0.00	0.00
100.00-104.99	0.00	0.00
105.00-109.99	0.00	0.00
110.00-114.99	0.00	0.00
115.00-120.00	0.00	0.00
>120.00	0.00	0.00

High Exhaust Temperature Prevention Derate Time - C9.3 D6 (XWE09830)

Deg C	<40.00	40.00-44.99	45.00-49.99	50.00-54.99	55.00-59.99	60.00-64.99	65.00-69.99	70.00-74.99	75.00-79.99
kPa									
<60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
60.00-67.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
68.00-75.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
76.00-83.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
84.00-91.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
92.00-100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
>100.00	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 - C9.3 D6 (XWE09830)

Deg C	80.00-84.99	85.00-89.99	90.00-94.99	95.00-100.00	>100.00	Total
kPa						

<60.00	0.00	0.00	0.00	0.00	0.00	0.00
60.00-67.99	0.00	0.00	0.00	0.00	0.00	0.00
68.00-75.99	0.00	0.00	0.00	0.00	0.00	0.00
76.00-83.99	0.00	0.00	0.00	0.00	0.00	0.00
84.00-91.99	0.00	0.00	0.00	0.00	0.00	0.00
92.00-100.00	0.00	0.00	0.00	0.00	0.00	0.00
>100.00	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

Lifetime:Accumulated Time vs DPF #1 Soot Loading Percent And ARD Manual Disable Status - C9.3 D6 (XWE09830)

%	<40	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119
ARD Manual Disable Status									
0	4026.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	4026.70	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 - C9.3 D6 (XWE09830)

%	120-129	130-140	>140	Total
ARD Manual Disable Status				
0	0.00	0.00	0.00	4026.50
1	0.00	0.00	0.00	0.20
Total	0.00	0.00	0.00	4026.70

Lifetime:Accumulated Time vs Engine Coolant Fan Speed - C9.3 D6 (XWE09830)

Engine Coolant Fan Speed(rpm)	hours	%
<0.0	11.85	0.43
0.0-99.9	10.95	0.40
100.0-199.9	2.35	0.09
200.0-299.9	2.65	0.10
300.0-399.9	3.75	0.14
400.0-499.9	43.15	1.58
500.0-599.9	1570.75	57.44
600.0-699.9	812.05	29.69
700.0-799.9	207.05	7.57
800.0-899.9	54.25	1.98
900.0-999.9	11.25	0.41
1000.0-1099.9	3.25	0.12
1100.0-1199.9	0.90	0.03
1200.0-1299.9	0.20	0.01
1300.0-1399.9	0.05	0.00
1400.0-1499.9	0.05	0.00
1500.0-1599.9	0.10	0.00

1600.0-1699.9	0.05	0.00
1700.0-1799.9	0.00	0.00
1800.0-1900.0	0.00	0.00
>1900.0	0.00	0.00

Monitoring System - C9.3 D6 (XWE09830)

High Fuel/Water Separator Water Level

232-1 High Fuel/Water Separator Water Level (Always On)

Description		Value		Delay Time
Enable Conditions				
Engine Run Time		0 sec		
Activation Thresholds				
Water In Fuel Indicator #1				40 sec

Action	Parameter		Value
Warn Operator			

232-2 High Fuel/Water Separator Water Level (Always On)

Description		Value		Delay Time
Enable Conditions				
Engine Run Time		0 sec		
Activation Thresholds				
Water In Fuel Indicator #1				3600 sec

Action	Parameter		Value
Engine Derate			

Low Engine Oil Pressure

360-1 Low Engine Oil Pressure (On)

Description		Value		Delay Time
Enable Conditions				
Engine Run Time		35 sec		
Activation Thresholds				
Engine Oil Pressure				8 sec

Action	Parameter		Value
Warn Operator			

360-3 Low Engine Oil Pressure (Always On)

Description		Value		Delay Time
Enable Conditions				
Engine Run Time		35 sec		
Activation Thresholds				
Engine Oil Pressure				8 sec

Action	Parameter		Value
Engine Derate			

High Engine Coolant Temperature

361-1 High Engine Coolant Temperature (Always On)

Description		Value		Delay Time
Enable Conditions				
Engine Run Time		180 sec		
Activation Thresholds				
Engine Coolant Temperature		112 Deg C		10 sec

Action	Parameter		Value
Warn Operator			

361-2 High Engine Coolant Temperature (On)

Description		Value		Delay Time
Enable Conditions				
Engine Run Time		180 sec		
Activation Thresholds				
Engine Coolant Temperature		114 Deg C		20 sec

Action	Parameter		Value
Engine Derate			

361-3 High Engine Coolant Temperature (On)

Description		Value		Delay Time
Enable Conditions				
Engine Run Time		180 sec		
Activation Thresholds				
Engine Coolant Temperature		116 Deg C		10 sec

Action	Parameter		Value
Engine Shutdown			

Engine Overspeed

362-1 Engine Overspeed (Always On)

Description		Value		Delay Time
Enable Conditions				
Engine Run Time		0 sec		
Activation Thresholds				
Engine Speed		2600 rpm		0.6 sec

Action	Parameter		Value
Warn Operator			

362-3 Engine Overspeed (Always On)

Description		Value		Delay Time
Enable Conditions				
Engine Run Time		0 sec		
Activation Thresholds				
Engine Speed		3000 rpm		0.6 sec

Action	Parameter		Value
Engine Shutdown			

High Fuel Supply Temperature

363-1 High Fuel Supply Temperature (Off)

Description		Value		Delay Time
Enable Conditions				
Engine Run Time		180 sec		
Activation Thresholds				
Fuel Temperature		78 Deg C		30 sec

Action	Parameter		Value
Warn Operator			

363-2 High Fuel Supply Temperature (On)

Description		Value		Delay Time
Enable Conditions				
Engine Run Time		180 sec		

Activation Thresholds				
Fuel Temperature		79 Deg C		30 sec

Action	Parameter		Value
Engine Derate			

Fuel Filter Restriction

390-1 Fuel Filter Restriction (Always On)

Description		Value		Delay Time
Enable Conditions				
Engine Run Time		30 sec		
Activation Thresholds				
Fuel Filter Used Percentage		70 %		1 sec

Action	Parameter		Value
Warn Operator			

390-2 Fuel Filter Restriction (Always On)

Description		Value		Delay Time
Enable Conditions				
Engine Run Time		30 sec		
Activation Thresholds				
Fuel Filter Used Percentage		100 %		1 sec

Action	Parameter		Value
Engine Derate			

High Intake Manifold Air Temperature

539-1 High Intake Manifold Air Temperature (On)

Description		Value		Delay Time
Enable Conditions				
Boost Pressure		30 kPa		
Engine Run Time		180 sec		
Activation Thresholds				
Intake Manifold Air Temperature		115 Deg C		4 sec

Action	Parameter		Value
Warn Operator			

539-2 High Intake Manifold Air Temperature (On)

Description		Value		Delay Time
Enable Conditions				
Boost Pressure		30 kPa		
Engine Run Time		180 sec		
Activation Thresholds				
Intake Manifold Air Temperature		120 Deg C		4 sec

Action	Parameter		Value
Engine Derate			

High Engine Air Filter #1 Differential Pressure

583-1 High Engine Air Filter #1 Differential Pressure (Always On)

Description		Value		Delay Time
Enable Conditions				
Engine Run Time		240 sec		
Activation Thresholds				
Engine Air Filter Differential Pressure		6.5 kPa		30 kPa-sec

Action	Parameter		Value
Warn Operator			

583-2 High Engine Air Filter #1 Differential Pressure (Always On)

Description		Value		Delay Time
Enable Conditions				
Engine Run Time		240 sec		
Activation Thresholds				
Engine Air Filter Differential Pressure		6.5 kPa		50 kPa-sec

Action	Parameter		Value
Engine Derate			

Injector Codes Calibration - C9.3 D6 (XWE09830)

Injector	Code
Injector 1	A1AIBVAAIA
Injector 2	ASACA8AAAA
Injector 3	BIH7BHAAIA
Injector 4	81HUBHA8SA

Injector 5	AAH3B8A81A
Injector 6	BAHYAVAAIA

Aftertreatment Regeneration History - C9.3 D6 (XWE09830)

Aftertreatment Regeneration Speed Type	Aftertreatment Regeneration Trigger Type	ARD Auto Regeneration Enable Status	Regeneration Trigger Service Hours	Application Regeneration Readiness Status	Aftertreatment Regeneration Trigger Percent Soot	Aftertreatment Regeneration End Speed Type	Aftertreatment Regeneration End Trigger Type	Regeneration Completion Service Hours
High Speed	ARD Maintenance	Enabled	4044.84 hours	1	0 %	High Speed	ARD Maintenance	4044.94 hours
High Speed	ARD Maintenance	Enabled	4032.30 hours	1	0 %	High Speed	ARD Maintenance	4032.40 hours
High Speed	ARD Maintenance	Enabled	4019.68 hours	1	0 %	High Speed	ARD Maintenance	4019.78 hours
High Speed	ARD Maintenance	Enabled	4006.93 hours	1	0 %	High Speed	ARD Maintenance	4007.03 hours
High Speed	ARD Maintenance	Enabled	3994.17 hours	1	0 %	High Speed	ARD Maintenance	3994.28 hours
High Speed	ARD Maintenance	Enabled	3981.51 hours	1	0 %	High Speed	ARD Maintenance	3981.61 hours
High Speed	ARD Maintenance	Enabled	3968.80 hours	7	0 %	High Speed	ARD Maintenance	3968.91 hours
High Speed	ARD Maintenance	Enabled	3956.12 hours	1	0 %	High Speed	ARD Maintenance	3956.23 hours
High Speed	ARD Maintenance	Enabled	3943.31 hours	1	0 %	High Speed	ARD Maintenance	3943.42 hours
High Speed	ARD Maintenance	Enabled	3930.58 hours	6	0 %	High Speed	ARD Maintenance	3930.69 hours
High Speed	ARD Maintenance	Enabled	3917.83 hours	1	0 %	High Speed	ARD Maintenance	3917.93 hours
High Speed	SCR Deposit	Enabled	3907.15 hours	1	0 %	High Speed	SCR Deposit	3907.18 hours
Off	SCR Deposit	Enabled	3907.08 hours	6	0 %	Low Speed	SCR Deposit	3907.08 hours
High Speed	ARD Maintenance	Enabled	3905.05 hours	1	0 %	High Speed	ARD Maintenance	3905.15 hours
High Speed	ARD Maintenance	Enabled	3892.32 hours	1	0 %	High Speed	ARD Maintenance	3892.42 hours

Low Speed	ARD Maintenance	Enabled	3879.80 hours	7	0 %	Low Speed	ARD Maintenance	3879.83 hours
High Speed	ARD Maintenance	Enabled	3867.21 hours	1	0 %	High Speed	ARD Maintenance	3867.32 hours
High Speed	ARD Maintenance	Enabled	3854.25 hours	1	0 %	High Speed	ARD Maintenance	3854.35 hours
High Speed	ARD Maintenance	Enabled	3841.50 hours	1	0 %	High Speed	ARD Maintenance	3841.61 hours
Low Speed	ARD Maintenance	Enabled	3828.76 hours	7	0 %	Low Speed	ARD Maintenance	3828.87 hours
Low Speed	SCR Deposit	Enabled	3815.69 hours	7	0 %	Low Speed	SCR Deposit	3815.80 hours
Low Speed	SCR Deposit	Enabled	3811.80 hours	7	0 %	High Speed	SCR Deposit	3811.90 hours
Low Speed	SCR Deposit	Enabled	3806.94 hours	7	0 %	Low Speed	SCR Deposit	3807.05 hours
Low Speed	SCR Deposit	Enabled	3801.91 hours	7	0 %	Low Speed	SCR Deposit	3802.03 hours
Low Speed	SCR Deposit	Enabled	3797.62 hours	7	0 %	High Speed	SCR Deposit	3797.73 hours
High Speed	ARD Maintenance	Enabled	3791.97 hours	1	0 %	High Speed	ARD Maintenance	3792.07 hours
Low Speed	ARD Maintenance	Enabled	3779.19 hours	7	0 %	Low Speed	ARD Maintenance	3779.30 hours
Low Speed	ARD Maintenance	Enabled	3766.39 hours	7	0 %	High Speed	ARD Maintenance	3766.49 hours
High Speed	ARD Maintenance	Enabled	3753.63 hours	1	0 %	High Speed	ARD Maintenance	3753.73 hours
Low Speed	SCR Deposit	Enabled	3740.88 hours	7	0 %	Low Speed	SCR Deposit	3740.99 hours
Low Speed	ARD Maintenance	Enabled	3729.23 hours	7	0 %	High Speed	ARD Maintenance	3729.33 hours
High Speed	SCR Deposit	Enabled	3723.54 hours	1	0 %	High Speed	SCR Deposit	3723.57 hours
High Speed	ARD Maintenance	Enabled	3716.46 hours	1	0 %	High Speed	ARD Maintenance	3716.57 hours
High Speed	ARD Maintenance	Enabled	3703.73 hours	1	0 %	High Speed	ARD Maintenance	3703.84 hours
Low Speed	ARD Maintenance	Enabled	3691.04 hours	7	0 %	Low Speed	ARD Maintenance	3691.14 hours
High Speed	ARD Maintenance	Enabled	3678.28 hours	1	0 %	High Speed	ARD Maintenance	3678.39 hours

0 %	Complete
0 %	Complete
0 %	Complete
0 %	Complete

Aftertreatment Abnormal Shutdown History - C9.3 D6 (XWE09830)

Engine Shutdown Type	Engine Shutdown Service Hours	Temperature Threshold	Ambient Air Temperature
Hot Shutdown (Above DPF Inlet Temperature Threshold)	3882.75 hours	310.0 Deg C	9.1 Deg C
Hot Shutdown (Above DPF Inlet Temperature Threshold)	3686.25 hours	310.0 Deg C	3.5 Deg C
Hot Shutdown (Above DPF Inlet Temperature Threshold)	3655.65 hours	310.0 Deg C	11.9 Deg C
Hot Shutdown (Above DPF Inlet Temperature Threshold)	3505.51 hours	310.0 Deg C	23.0 Deg C
Hot Shutdown (Above DPF Inlet Temperature Threshold)	2721.95 hours	310.0 Deg C	15.0 Deg C
Hot Shutdown (Above DPF Inlet Temperature Threshold)	2721.65 hours	310.0 Deg C	10.2 Deg C
Hot Shutdown (Above DPF Inlet Temperature Threshold)	2506.35 hours	310.0 Deg C	2.7 Deg C
Hot Shutdown (Above DPF Inlet Temperature Threshold)	1082.25 hours	310.0 Deg C	39.5 Deg C
Hot Shutdown (Above DPF Inlet Temperature Threshold)	1070.55 hours	310.0 Deg C	43.6 Deg C
Hot Shutdown (Above DPF Inlet Temperature Threshold)	975.25 hours	310.0 Deg C	23.3 Deg C

Service Test History - C9.3 D6 (XWE09830)

Service Test Name	Total Operating Hours	Service Test Error ID	Service Test Status
Aftertreatment #1 System Functional Test	1.4 hours	0000	Complete
ARD Ignition Test	2205.4 hours	1130	Incomplete
Aftertreatment #1 System Functional Test	2205.4 hours	0002	Incomplete
ARD Nozzle Heater Circuit Test	2205.5 hours	0000	Complete
ARD Air System Service Test	2205.5 hours	0000	Complete

Manual DPF Regeneration	2205.7 hours	1130	Incomplete
ARD Ignition Test	2205.7 hours	1130	Incomplete
ARD Nozzle Heater Circuit Test	2209.7 hours	1010	Incomplete
ARD Air System Service Test	2209.8 hours	10FB	Incomplete
ARD Ignition Test	2209.9 hours	1130	Incomplete
ARD Ignition Test	2210.2 hours	0000	Complete
ARD Ignition Test	2210.3 hours	0000	Complete
Aftertreatment #1 System Functional Test	3174.0 hours	0000	Complete

Diesel Oxidation Catalyst Replacement - C9.3 D6 (XWE09830)

Description	Value
Engine Lifetime Hours	Unavailable
Total Operating Hours	Unavailable

History Data

No history data available.

Aftertreatment #1 SCR Catalyst Replacement - C9.3 D6 (XWE09830)

Description	Value
Engine Lifetime Hours	Unavailable
Total Operating Hours	Unavailable

History Data

No history data available.

DPF Ash Service - C9.3 D6 (XWE09830)

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

History Data

No history data available.

Port Statistics Snapshot - C9.3 D6 (XWE09830)

J3A:1 J3A:2

Description	Value
Network Media Duplex Mode	Full Duplex
Number of Network Collisions	0
Signal Quality	Excellent
Network Bandwidth	100 Mbit/s

Number of Transmitted Octets	5387341
Number of Received Octets	82013
Number of Inbound Discarded Packets	0
Network Interface Operational Status	Up
Number of Outbound Error Packets	0

Primary Display D6 (GZ901046)

Parameter	Value
Product ID	GZ901046
Build Number	20B
Equipment ID	GZ901046
ECM Part Number	5845632-01
ECM Serial Number	21042100902S0047
Software Group Part Number	6258126-00
Software Group Release Date	DEC2022
Software Group Description	Medium TTT

Logged Diagnostic Codes [Diagnostic Clock = 4045 hours] - Primary Display D6 (GZ901046)

Code	Description	Occ.	First	Last
No Logged Diagnostic Codes				

Logged Event Codes [Diagnostic Clock = 4045 hours] - Primary Display D6 (GZ901046)

Code	Description	Occ.	First	Last
No Logged Event Codes				

Active Diagnostic Codes - Primary Display D6 (GZ901046)

Code	Description
No Active Diagnostic Codes	

Active Event Codes - Primary Display D6 (GZ901046)

Code	Description
No Active Events	

System Communication Status - Active Problems - Primary Display D6 (GZ901046)

ECMs	Detected Problem	Data Link	Diagnostic Information
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System Communication Status - Inactive Problems - Primary Display D6 (GZ901046)

ECMs	Detected Problem	Data Link	Diagnostic Information
Device 1: Primary Display D6 (GZ901046) - Device 2: Camera #3	Device #1 is unable to communicate with Device #2 on the data link.	Ethernet #1	Diagnostic Code: 3900-9 - Service Hour Meter: 419:01:18 -
Device 1: Primary Display D6 (GZ901046) - Device 2: Camera #3	Device #1 is unable to communicate with Device #2 on the data link.	Ethernet #1	Diagnostic Code: 3900-9 - Service Hour Meter: 2228:03:23 -

Device 1: Primary Display D6 (GZ901046) - Device 2: Camera #3	Device #1 is unable to communicate with Device #2 on the data link.	Ethernet #1	Diagnostic Code: 3900-9 - Service Hour Meter: 2228:03:23 -
Device 1: Primary Display D6 (GZ901046) - Device 2: Camera #3	Device #1 is unable to communicate with Device #2 on the data link.	Ethernet #1	Diagnostic Code: 3900-9 - Service Hour Meter: 2324:13:36 -
Device 1: Primary Display D6 (GZ901046) - Device 2: Camera #3	Device #1 is unable to communicate with Device #2 on the data link.	Ethernet #1	Diagnostic Code: 3900-9 - Service Hour Meter: 2734:01:24 -
Device 1: Primary Display D6 (GZ901046) - Device 2: Camera #3	Device #1 is unable to communicate with Device #2 on the data link.	Ethernet #1	Diagnostic Code: 3900-9 - Service Hour Meter: 2910:35:35 -
Device 1: Primary Display D6 (GZ901046) - Device 2: Camera #3	Device #1 is unable to communicate with Device #2 on the data link.	Ethernet #1	Diagnostic Code: 3900-9 - Service Hour Meter: 3502:51:44 -
Device 1: Primary Display D6 (GZ901046) - Device 2: Camera #3	Device #1 is unable to communicate with Device #2 on the data link.	Ethernet #1	Diagnostic Code: 3900-9 - Service Hour Meter: 3502:57:31 -
Device 1: Primary Display D6 (GZ901046) - Device 2: Implement Control Module #1	Device #1 is unable to communicate with Device #2 on the data link.	J1939 #1	Diagnostic Code: 247-9 - Service Hour Meter: 3291:58:45 -

Configuration - Primary Display D6 (GZ901046)

Description	Value	Unit
Equipment ID	GZ901046	
Camera #3 Location	Rear	
Information Units Status	Metric	
Service Mode Enable Code	1925	
Display Language Status	English	

Port Statistics Snapshot - Primary Display D6 (GZ901046)

W:34 W:35

Description	Value
Network Media Duplex Mode	Full Duplex
Number of Network Collisions	0
Signal Quality	Excellent
Network Bandwidth	100 Mbit/s
Number of Transmitted Octets	176977
Number of Received Octets	1136345
Number of Inbound Discarded Packets	0
Network Interface Operational Status	Up
Number of Outbound Error Packets	0
Number of Inbound Error Packets	0
Number of Outbound Discarded Packets	0

W:18 W:19

Description	Value
Network Media Duplex Mode	Unknown
Number of Network Collisions	0
Signal Quality	Unstable
Network Bandwidth	0 Mbit/s
Number of Transmitted Octets	0
Number of Received Octets	0
Number of Inbound Discarded Packets	0
Network Interface Operational Status	Down
Number of Outbound Error Packets	0
Number of Inbound Error Packets	0
Number of Outbound Discarded Packets	0

W:14 W:15

Description	Value
Network Media Duplex Mode	Full Duplex
Number of Network Collisions	0
Signal Quality	Excellent
Network Bandwidth	100 Mbit/s
Number of Transmitted Octets	15628
Number of Received Octets	3685798488
Number of Inbound Discarded Packets	0
Network Interface Operational Status	Up
Number of Outbound Error Packets	0
Number of Inbound Error Packets	0
Number of Outbound Discarded Packets	0

W:11 W:12

Description	Value
Network Media Duplex Mode	Unknown
Number of Network Collisions	0
Signal Quality	Unstable
Network Bandwidth	10 Mbit/s
Number of Transmitted Octets	0
Number of Received Octets	0
Number of Inbound Discarded Packets	0
Network Interface Operational Status	Up
Number of Outbound Error Packets	0
Number of Inbound Error Packets	0
Number of Outbound Discarded Packets	0

W:1 W:2 W:3 W:4

Description	Value
Network Media Duplex Mode	Unknown
Number of Network Collisions	0
Network Bandwidth	0 Mbit/s
Number of Transmitted Octets	0

Number of Received Octets	0
Number of Inbound Discarded Packets	0
Network Interface Operational Status	Down
Number of Outbound Error Packets	0
Number of Inbound Error Packets	0
Number of Outbound Discarded Packets	0

W:6 W:7 W:8 W:9

Description	Value
Network Media Duplex Mode	Unknown
Number of Network Collisions	0
Network Bandwidth	0 Mbit/s
Number of Transmitted Octets	10738
Number of Received Octets	0
Number of Inbound Discarded Packets	0
Network Interface Operational Status	Down
Number of Outbound Error Packets	0
Number of Inbound Error Packets	0
Number of Outbound Discarded Packets	0

Implement D6 (GZ901046)

Parameter	Value
Product ID	GZ901046
Build Number	20B
Equipment ID	
ECM Part Number	4916843-06
ECM Serial Number	2104050020RK000H
Software Group Part Number	6316361-00
Software Group Release Date	DEC2022
Software Group Description	D6 Track Type Tractor
Grade Control Module Hardware Part Number	554-8937
Grade Control Module Serial Number	0891J502YU
Grade Control Module Software Group Part Number	6082077-00
Grade Control Module Software Group Release Date	DEC2020
Grade Control Module Software Group Version	V2.03.00.713

Logged Diagnostic Codes [Diagnostic Clock = 4045 hours] - Implement D6 (GZ901046)

Code	Description	Occ.	First	Last
1035- 9	GPS Receiver : Abnormal Update Rate	1	4002	4002
4651- 9	Blade Inertial Measurement Sensor : Abnormal Update Rate	1	3992	3992

Logged Event Codes [Diagnostic Clock = 4045 hours] - Implement D6 (GZ901046)

Code	Description	Occ.	First	Last
No Logged Event Codes				

Active Diagnostic Codes - Implement D6 (GZ901046)

Code	Description
No Active Diagnostic Codes	

Active Event Codes - Implement D6 (GZ901046)

Code	Description
No Active Events	

System Communication Status - Active Problems - Implement D6 (GZ901046)

ECMs	Detected Problem	Data Link	Diagnostic Information
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System Communication Status - Inactive Problems - Implement D6 (GZ901046)

ECMs	Detected Problem	Data Link	Diagnostic Information
Device 1: Implement D6 (GZ901046) - Device 2: Display Module	Device #1 is unable to communicate with Device #2 on the data link.	J1939 #1	Diagnostic Code: 247-9 - Service Hour Meter: 3868:57:11 -
Device 1: Implement D6 (GZ901046)	Device #1 is unable to communicate on the data link.	J1939 #4	Diagnostic Code: 246-9 - Service Hour Meter: 4045:15:11 -
Device 1: Implement D6 (GZ901046)	Device #1 is unable to communicate on the data link.	J1939 #4	Diagnostic Code: 246-9 - Service Hour Meter: 4045:15:11 -
Device 1: Implement D6 (GZ901046)	Device #1 is unable to communicate on the data link.	J1939 #4	Diagnostic Code: 246-9 - Service Hour Meter: 4045:09:11 -

Current Totals - Implement D6 (GZ901046)

Description	Value	Unit
Total Hydraulic Oil High Temperature Time	0.0	hours

Configuration - Implement D6 (GZ901046)

Description	Value	Unit
Equipment ID		
Rear Attachment Installation Status	Single Axis Ripper	
Blade Installation Status	Single Tilt Straight Blade	
Blade Control Response Configuration	Standard	
Desired Blade Load Factor	100	%
Air Conditioning System Installation Status	Installed	
Operator Seat Belt Unfastened While Machine is Not Idle Event Enable Status	Disabled	
Operator Seat Belt Beacon ON Configuration	Seat Belt Engaged	
Quick Drop Feature Enable Status	Enabled	
Blade Float Function Enable Status	Enabled	
Slope Assist Installation Status	Installed	
Work Monitor Aggressiveness Adjustment	0	
Operator Assist Installation Status	Installed	

Stable Blade Default Setting	Enabled	
Blade Float Lockout Status	Not Locked Out	
Cab Air Pressure Enable Status	Disabled	
Blade Control System Installation Status	Installed	
Blade Control Detection Status	Automatic Detection	
Grade Control System Installation Status	Not Installed	
Grade Control System Enable Status	Disabled	
Grade Control System Temporary Installation Status	Not Installed	
Grade Control System Temporary Installation Time Remaining	6000	min
Steer Assist 3D Installation Status	Not Installed	
Steer Assist 3D Enable Status	Disabled	
Steer Assist 3D Temporary Installation Status	Not Installed	
Steer Assist 3D Temporary Installation Time Remaining	6000	min
Machine Pitch Calibration Offset	-0.410	Deg
Machine Roll Calibration Offset	1.232	Deg
Cutting Edge Bolts to Cutting Edge Length	50	mm
Exposed Grouser Height	75	mm
Externally Measured Blade Slope Configuration	-0.50	%
Externally Measured Left Track Pitch Configuration	0.30	%
Externally Measured Right Track Pitch Configuration	0.50	%
Blade Lower Solenoid Maximum Current	1.228	Amps
Blade Lower Solenoid Minimum Current	0.678	Amps
Blade Raise Solenoid Maximum Current	1.236	Amps
Blade Raise Solenoid Minimum Current	0.656	Amps
Tilt Right Solenoid Maximum Current	1.632	Amps
Tilt Right Solenoid Start Current	0.832	Amps
Tilt Left Solenoid Maximum Current	1.602	Amps
Tilt Left Solenoid Start Current	0.802	Amps
Blade Angle Right Solenoid Maximum Current	1.550	Amps
Blade Angle Right Solenoid Minimum Current	0.700	Amps
Blade Angle Left Solenoid Maximum Current	1.550	Amps
Blade Angle Left Solenoid Minimum Current	0.700	Amps
Ripper Shank Raise Solenoid Maximum Current	1.574	Amps
Ripper Shank Raise Solenoid Start Current	1.074	Amps
Ripper Shank Lower Solenoid Maximum Current	1.570	Amps
Ripper Shank Lower Solenoid Start Current	1.070	Amps

Calibration Status - Implement D6 (GZ901046)

Calibration	Status	Last Successful Completion
Winch Spool Out Solenoid	Unknown	Never Successfully Calibrated
Winch Spool In Solenoid	Unknown	Never Successfully Calibrated
Tool Automation Implement Valve Calibration	Success	6.5 hours
Ripper Lower Solenoid	Success	2.9 hours
Ripper Raise Solenoid	Success	2.9 hours
Ripper Raise/Lower Lever Calibration	Success	0.1 hours
Machine Inclination Sensing Device Calibration	Success	6.2 hours
Blade Control Handle Thumb Rocker	Not Calibrated	Never Successfully Calibrated
Blade Control Lever	Success	6.0 hours
Blade Tilt Left Solenoid	Success	6.0 hours
Blade Tilt Right Solenoid	Success	6.1 hours
Blade Lower Solenoid	Success	6.0 hours
Blade Raise Solenoid	Success	6.0 hours
Blade Inertial Measurement Sensor Calibration	Success	6.3 hours
Blade Angle Left Solenoid	Not Calibrated	Never Successfully Calibrated
Blade Angle Right Solenoid	Not Calibrated	Never Successfully Calibrated
Blade Raise/Lower Lever Calibration	Unknown	Never Successfully Calibrated

Lifetime:Accumulated Time vs Hydraulic Oil Temperature - Implement D6 (GZ901046)

Hydraulic Oil Temperature(Deg)	hours	%
<0.0	0.45	0.01
0.0-4.9	3.40	0.08
5.0-9.9	8.60	0.21
10.0-14.9	16.15	0.40
15.0-19.9	20.10	0.50
20.0-24.9	24.75	0.62
25.0-29.9	32.05	0.80
30.0-34.9	38.60	0.96
35.0-39.9	49.80	1.24
40.0-44.9	69.10	1.73
45.0-49.9	108.85	2.72
50.0-54.9	210.75	5.26
55.0-59.9	446.55	11.15
60.0-64.9	1641.75	40.98
65.0-69.9	1276.10	31.86
70.0-74.9	58.20	1.45
75.0-79.9	0.55	0.01
80.0-84.9	0.00	0.00
85.0-89.9	0.00	0.00
90.0-94.9	0.00	0.00

95.0-99.9	0.00	0.00
100.0-104.9	0.00	0.00
105.0-109.9	0.00	0.00
110.0-114.9	0.00	0.00
115.0-120.0	0.00	0.00
>120.0	0.00	0.00

Lifetime:Accumulated Time vs Main Hydraulic Pump Oil Pressure - Implement D6 (GZ901046)

Main Hydraulic Pump Oil Pressure(kPa)	hours	%
<2000.0	2804.25	70.01
2000.0-3999.9	294.70	7.36
4000.0-4999.9	151.55	3.78
5000.0-5999.9	140.95	3.52
6000.0-6999.9	112.85	2.82
7000.0-7999.9	89.35	2.23
8000.0-8999.9	83.55	2.09
9000.0-9999.9	80.75	2.02
10000.0-10999.9	72.75	1.82
11000.0-11999.9	56.55	1.41
12000.0-12999.9	36.95	0.92
13000.0-13999.9	22.70	0.57
14000.0-14999.9	15.35	0.38
15000.0-15999.9	11.00	0.27
16000.0-16999.9	7.95	0.20
17000.0-17999.9	5.80	0.14
18000.0-18999.9	4.20	0.10
19000.0-19999.9	3.05	0.08
20000.0-20999.9	2.15	0.05
21000.0-21999.9	1.55	0.04
22000.0-22999.9	1.10	0.03
23000.0-23999.9	0.80	0.02
24000.0-24999.9	0.55	0.01
25000.0-25999.9	0.45	0.01
26000.0-26999.9	0.45	0.01
27000.0-27999.9	1.20	0.03
28000.0-28999.9	1.35	0.03
29000.0-30000.0	1.15	0.03
>30000.0	0.65	0.02

Port Statistics Snapshot - Implement D6 (GZ901046)

J3A:1 J3A:2

Description	Value
Network Media Duplex Mode	Full Duplex
Number of Network Collisions	0
Signal Quality	Excellent
Network Bandwidth	100 Mbit/s
Number of Transmitted Octets	21955

Number of Received Octets	11343
Number of Inbound Discarded Packets	0
Network Interface Operational Status	Up
Number of Outbound Error Packets	0
Number of Inbound Error Packets	0
Number of Outbound Discarded Packets	0

J3B:1 J3B:2

Description	Value
Network Media Duplex Mode	Full Duplex
Number of Network Collisions	0
Signal Quality	Excellent
Network Bandwidth	100 Mbit/s
Number of Transmitted Octets	7431
Number of Received Octets	34760
Number of Inbound Discarded Packets	0
Network Interface Operational Status	Up
Number of Outbound Error Packets	0
Number of Inbound Error Packets	14
Number of Outbound Discarded Packets	0

Product Link Elite (GZ901046)

Parameter	Value
Product ID	GZ901046
Machine Serial Number	
Equipment ID	
ECM Part Number	4946472-11
ECM Serial Number	21050500901D000M
Software Group Part Number	6365203-00
Software Group Release Date	JAN2023
Software Group Description	VIMS_TELEMATICS_2023_01_24
Application Software Part Number	6068548-00
Cellular Device ECM Serial Number	21042400H0BQ003F
Cellular Device ECM Hardware Part Number	5503269-08
Cellular Radio Module Software Part Number	6370644-00
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 = 4045 hours] - Product Link Elite (GZ901046)

Code	Description	Occ.	First	Last
No Logged Diagnostic Codes				

Logged Event Codes [Total Operating Hours = 4045 hours] - Product Link Elite (GZ901046)

Code	Description	Occ.	First	Last
No Logged Event Codes				

Active Diagnostic Codes - Product Link Elite (GZ901046)

Code	Description
No Active Diagnostic Codes	

Active Event Codes - Product Link Elite (GZ901046)

Code	Description
No Active Events	

Current Totals - Product Link Elite (GZ901046)

Description	Value	Unit
Total Operating Hours	4045.5	hours
Total Distance	9697.30	km

Configuration - Product Link Elite (GZ901046)

Description	Value	Unit
Product ID	GZ901046	
Equipment ID		
CAT Data Link Module Identifier Configuration	Gateway #1	
Machine Serial Number		
Maintenance Mode	Off	
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	Not Installed	
Cellular Surge Suppression Antenna Installation Status	Not Installed	
Telemetry Feature Installation Status	Not Installed	
Telemetry Feature Enable Status	Disabled	
Tire Monitoring System Installation Status	Unavailable	
Telematics Enhanced Data Connector Installation Status	Not Installed	
Telematics Enhanced Data Connector Enable Status	Disabled	
Telematics Enhanced Data Connector Temporary Installation Status	Not Installed	
Telematics Enhanced Data Connector Temporary Installation Time Remaining	43200	min

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

Port Statistics Snapshot - Product Link Elite (GZ901046)

J2/P2:34 J2/P2:35

Description	Value
Network Media Duplex Mode	Full Duplex
Number of Network Collisions	0
Signal Quality	Excellent
Network Bandwidth	100 Mbit/s
Number of Transmitted Octets	1106550
Number of Received Octets	172282
Number of Inbound Discarded Packets	0
Network Interface Operational Status	Up
Number of Outbound Error Packets	0
Number of Inbound Error Packets	0
Number of Outbound Discarded Packets	0

J2/P2:18 J2/P2:19

Description	Value
Network Media Duplex Mode	Full Duplex
Number of Network Collisions	0
Signal Quality	Excellent
Network Bandwidth	100 Mbit/s
Number of Transmitted Octets	265639
Number of Received Octets	25744324
Number of Inbound Discarded Packets	0
Network Interface Operational Status	Up
Number of Outbound Error Packets	0
Number of Inbound Error Packets	0
Number of Outbound Discarded Packets	0

J1/P1:20 J1/P1:21

Description	Value
Network Media Duplex Mode	Unknown
Number of Network Collisions	0
Signal Quality	Unstable
Network Bandwidth	0 Mbit/s
Number of Transmitted Octets	0
Number of Received Octets	0
Number of Inbound Discarded Packets	0
Network Interface Operational Status	Down
Number of Outbound Error Packets	0
Number of Inbound Error Packets	0
Number of Outbound Discarded Packets	0

J1/P1:18 J1/P1:19

Description	Value
Network Media Duplex Mode	Unknown
Number of Network Collisions	0
Signal Quality	Unstable
Network Bandwidth	0 Mbit/s
Number of Transmitted Octets	0
Number of Received Octets	0
Number of Inbound Discarded Packets	0
Network Interface Operational Status	Down
Number of Outbound Error Packets	0
Number of Inbound Error Packets	0
Number of Outbound Discarded Packets	0

J1/P1:34 J1/P1:35

Description	Value
Network Media Duplex Mode	Unknown
Number of Network Collisions	0
Signal Quality	Unstable
Network Bandwidth	0 Mbit/s
Number of Transmitted Octets	64
Number of Received Octets	0
Number of Inbound Discarded Packets	0
Network Interface Operational Status	Down
Number of Outbound Error Packets	0
Number of Inbound Error Packets	0
Number of Outbound Discarded Packets	0

J3:20 J3:21

Description	Value
Network Media Duplex Mode	Unknown
Number of Network Collisions	0
Signal Quality	Unstable
Network Bandwidth	0 Mbit/s
Number of Transmitted Octets	4470
Number of Received Octets	0
Number of Inbound Discarded Packets	0
Network Interface Operational Status	Down
Number of Outbound Error Packets	0
Number of Inbound Error Packets	0
Number of Outbound Discarded Packets	0

J2/P2:1 J2/P2:2 J2/P2:3 J2/P2:4

Description	Value
Network Media Duplex Mode	Full Duplex
Number of Network Collisions	0
Network Bandwidth	10 Mbit/s
Number of Transmitted Octets	3959722

Number of Received Octets	2106963
Number of Inbound Discarded Packets	0
Network Interface Operational Status	Up
Number of Outbound Error Packets	0
Number of Inbound Error Packets	0
Number of Outbound Discarded Packets	0

J2/P2:36 J2/P2:37 J2/P2:38 J2/P2:39

Description	Value
Network Media Duplex Mode	Full Duplex
Number of Network Collisions	0
Network Bandwidth	10 Mbit/s
Number of Transmitted Octets	88952
Number of Received Octets	153532
Number of Inbound Discarded Packets	0
Network Interface Operational Status	Up
Number of Outbound Error Packets	0
Number of Inbound Error Packets	0
Number of Outbound Discarded Packets	0

J1/P1:36 J1/P1:37 J1/P1:38 J1/P1:39

Description	Value
Network Media Duplex Mode	Unknown
Number of Network Collisions	0
Network Bandwidth	0 Mbit/s
Number of Transmitted Octets	0
Number of Received Octets	0
Number of Inbound Discarded Packets	0
Network Interface Operational Status	Down
Number of Outbound Error Packets	0
Number of Inbound Error Packets	0
Number of Outbound Discarded Packets	0

J1/P1:41 J1/P1:42 J1/P1:43 J1/P1:44

Description	Value
Network Media Duplex Mode	Unknown
Number of Network Collisions	0
Network Bandwidth	0 Mbit/s
Number of Transmitted Octets	0
Number of Received Octets	0
Number of Inbound Discarded Packets	0
Network Interface Operational Status	Down
Number of Outbound Error Packets	0
Number of Inbound Error Packets	0
Number of Outbound Discarded Packets	0

J3:39 J3:40 J3:41 J3:42

Description	Value
Network Media Duplex Mode	Unknown

Number of Network Collisions	0
Network Bandwidth	0 Mbit/s
Number of Transmitted Octets	0
Number of Received Octets	0
Number of Inbound Discarded Packets	0
Network Interface Operational Status	Down
Number of Outbound Error Packets	0
Number of Inbound Error Packets	0
Number of Outbound Discarded Packets	0