

Note: Unless specified otherwise, data measurements are displayed in English

Calibrations	

Cal ID	4C00FCR0077
Software Level	W10_1A5
Serial Number	BK5536N18026001F
Part Number	29545536
TCM Date	TBD
HCN / CCN	29 / C10_1A0
VIN	N/A
This Tool S/N	N/A
Last Tool S/N	50221
Vocational Model	3000EVS
Calibration Group / Active Package	107 / 120
Customized Datalink	No
TID	Level A
Translator Device	DR DPA 4 or 4 Plus,USB
Communication Protocol	J1939
Tool Version Number	Version 9.0.0 (Build 10/07/2010)

Autodetect Information	

Auto Select Configuration	Force SEM/LRTP Off
Engine Hardware Status	Not SEM/LRTP Recognized
SEM Validated	ECM doesn't support SEM
LRTP Validated	ECM doesn't support LRTP
SEM/LRTP Compatibility	Compatible
SEM Enabled Status	Disabled
LRTP Enabled Status	Disabled
SEM Torque Reduction Status	N/A
LRTP Torque Reduction Status	N/A
Unapproved SEM Torque Reducing Device	N/A
Unapproved LRTP Torque Reducing Device	N/A
Max Eng. Torq. Allowed during loss of J1939 Communication	24167.7 ft-lb
SCAAN Run Number	0
Peak Torque from AETC Message	619.55 ft-lb
Engine Torque Rating for Overrating Fault	678.56 ft-lb
Engine Torque Rating for SEM/LRTP Requirement	553.17 ft-lb
Oil Level Autodetected / Status	Yes / Not Forced
Autodetected Engine Starts	0
Throttle Source / Status	J1939 / Forced
Analog Throttle Autodetect	No
J1939 Throttle Autodetect	No
J1587 Throttle Autodetect	No
Retarder Available / Status	Yes / Forced
Engine Coolant Source / Status	Unknown / Not Forced
Analog Coolant Autodetect	No
J1939 Coolant Autodetect	No
J1587 Coolant Autodetect	No
Retarder Pressure Transducer Status	Not Present

Shift Inhibits		Current Active	History
-----		-----	-----
Low Main Pressure		No Inhibit	No Inhibit
Transfer Case Neutral		No Inhibit	No Inhibit
Diagnostic Active		Inhibit	No Inhibit
Auto Neutral Single Input		No Inhibit	No Inhibit
Reverse Enable		No Inhibit	No Inhibit
Reverse Inhibit with Preselect Request		No Inhibit	No Inhibit
Aux Function Range Inhibit		No Inhibit	No Inhibit
PTO Neutral Lockup		No Inhibit	No Inhibit
Engine Speed		No Inhibit	No Inhibit
Shift Inhibit Output Speed		No Inhibit	No Inhibit
Throttle		No Inhibit	No Inhibit
IMS Function or Alignment		No Inhibit	No Inhibit
IMS PS4 Disagree		No Inhibit	No Inhibit
No Pull down on shift to range		No Inhibit	No Inhibit
Wheel Spin or Lock		No Inhibit	No Inhibit
Pump Not Engaged		No Inhibit	No Inhibit
Medium Cold Oil		No Inhibit	No Inhibit
Direct Hold		No Inhibit	No Inhibit
Direction Change Enable		No Inhibit	No Inhibit
Automatic Neutral		No Inhibit	No Inhibit
Oil Field Quick to Neutral		No Inhibit	No Inhibit
WT PS1 Pressurized in Cold Mode		No Inhibit	No Inhibit
Brake Based Automatic Neutral		No Inhibit	No Inhibit
Auto Neutral Dual Input		No Inhibit	No Inhibit
Neutral Indicator for PTO		No Inhibit	No Inhibit
Idle Start/Stop Input		No Inhibit	No Inhibit
Reverse Inhibit by Pump Mode		No Inhibit	No Inhibit
2nd Reverse Inhibited		No Inhibit	No Inhibit

Wire/Databus	State	Function Name	State,Latched	Signal
Rel,Source,State	-----	-----	-----	-----
Mode	OFF	Input - Secondary Mode	OFF,YES	N/A
J1939	OFF	Input - Auxiliary Function Range Inhibit	OFF,NO	N/A
142	OFF	Input - PTO Enable	OFF,NO	N/A

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102	OFF	Input - Engine Brake Enable and Pre-select Request 1	OFF,NO	N/A
123	Disable	Input - Lock Up Pump Mode (FTPM)	Disable,NO	N/A
Databus		Input - Reverse Inhibit With Preselect Request	OFF,NO	N/A
162	OFF	Input - Service Brake Status Non-Inverted	OFF,NO	N/A
121	OFF	Input - ABS Active	OFF,NO	N/A
161	OFF	Input - Retarder Enable	OFF,NO	N/A
122	Disable	Input - Pump Pack Enable	Disable,NO	N/A
157	OFF	Input - Engine Brake and Pre-select Request 2	OFF,NO	N/A
Databus		Input - Preselect Request	OFF,NO	N/A
Databus		Input - 2nd Gear Start	OFF,NO	N/A

Wire/Databus Rel,Source,State	State	Function Name	State,Latched	Signal
-----	-----	-----	-----	-----
130	OFF	Output - PTO Enable	OFF,NO	N/A
104	OFF	Output - Engine Brake Enable - Inverted	OFF,NO	N/A
145	Disable	Output - Range Indicator	Disable,NO	N/A
105	OFF	Output - Output Speed Indicator A	OFF,NO	N/A
124	OFF	Output - Retarder Indicator	OFF,NO	N/A
164	OFF	Output - Sump Temp Indicator	OFF,NO	N/A
129	ON	Output - Check Transmission -- MIL	ON,YES	N/A
Databus		Output - Range Inhibit Indicator -- RII	OFF,YES	N/A
Databus		Output - Do Not Shift Status	ON,YES	N/A
165	OFF	Output - Reverse Warning Status	OFF,YES	N/A
141	ON	Output - Neutral Start Status	ON,YES	N/A
113	ON	Output - Neutral Indicator for PTO	ON,NO	N/A
150	Disable	Output - Strip Selector Range Indication	Disable,NO	N/A
Databus		Output - Requested Torque Reduction	OFF,YES	N/A
Databus		Output - Service Indicator	ON,YES	N/A

Diagnostic Data	

Accelerator Position (%)	0.0
Input Speed (rpm)	0
Turbine Speed (rpm)	0
Output Speed (rpm)	0
Current Gear	Neutral
Gear Commanded	Neutral
Gear Selected	Neutral
Shift Selector Range Selected	Blank
Shift Selector Range Commanded	N
Previous Gear	Neutral
On-Coming Clutch Pressure (psi)	232.06
Off-Going Clutch Pressure (psi)	0.0
Pressure Switch 1	Exhausted/OFF
Pressure Switch 2	Pressurized/Open
TCC PCS Commanded Pressure (psi)	0.0
Main Mod Solenoid Commanded Pressure (MM) (psi)	232.06
PCS 1 Commanded Pressure (psi)	232.06
PCS 2 Commanded Pressure (psi)	232.06
PCS 3 Commanded Pressure (psi)	0.0
PCS 4 Commanded Pressure (psi)	0.0
PCS 5 Commanded Pressure (psi)	0.0
PCS 6 Commanded Pressure (psi)	0.0
Shift Solenoid 1 Status	Off
Shift Solenoid 2 Status	Off
Retarder Requested (%)	0.00
Trans Fluid Temp	126 °F / 52 °C
Engine Coolant Temperature	-40 °F / -40 °C
Retarder Temp	199 °F / 93 °C
TCC Slip Speed (rpm)	0
TCC State	Off
Next Output Speed For Upshift (rpm)	443
Output Speed Acceleration (rpm/Sec)	0
Next Output Speed For Downshift (rpm)	0
Last Output Speed Range Shift (rpm)	0
Cruise Enabled	No
Mode Button Status (via CAN1)	Off
Gear Shift Module Incompatible with Prognostics Features	False
Oil Level Display Code	Check Codes
Oil Level Deviation (Quarts)	2.0
Ignition Voltage (V)	12.1
Battery Voltage (V)	12.0
Normal Shift Pattern	On
Cold Shift Pattern	Off
Trans Hot Mode	Off
Engine Run Time (hh:mm:ss)	00:00:00
Number of Current Malfunctions	5
Overall Gear Requested	Neutral
Gear Ratio	8.0
Active Shift Selector	Not Available
PWM Direction Signal	Not Available
Strip Selector Output Pattern SS-1	N/A
Strip Selector Output Pattern SS-2	N/A
Strip Selector Output Pattern SS-4	N/A
Strip Selector Output Pattern SS-Parity	N/A
Retarder Transducer Pressure (psi)	0.0
Four wheel Drive Low Active	Not Available
Four wheel Drive Low Fault	Not Available
Four wheel Drive Mode Active	Not Available
Engine Torque (ft-lb)	Not Available
Requested Torque Reduction (ft-lb)	Not Available
Driver Demand Engine Torque (ft-lb)	Not Available
Load-based Shift Scheduling State	Not Available
Shift Schedule Currently Selected by LBSS	Not Available

SGC_Report	
LBSS - Availability of Economy Mode	Low
LBSS - Percent Time Spent in Economy Mode (%)	Not Available
LBSS - Percent Time Overridden by Secondary Switch (%)	Not Available
Percent Time Spent in Super-Economy Mode (%)	Not Available
Percent Time Spent in Vehicle Acceleration Limiting (%)	Not Available
Overall Vehicle Acceleration Control (VAC) Status	Not Available
VAC Level of Acceleration Control	Low
TPS Voltage (V)	Not Available
Retarder Request voltage (V)	N/A
Oil Level Sensor voltage (V)	Not Available
Oil Temperature Sensor Resistance (Ω)	Not Available
Retarder Temperature Sensor Resistance (Ω)	Not Available
Engine Coolant Sensor Resistance (Ω)	Not Available
TCM Substrate Temperature	Not Available
Adaptive Flags 1	Not Available
Adaptive Flags 2	Not Available
Adaptive Flags 3	Not Available
Adaptive Flags 4	Not Available
Customer Modifiable Constants	

Automatic Neutral Engage	
Maximum Output Speed for Neutral Engagement	60
PTO Enable	
Maximum Engine Speed for PTO Engagement	900
Maximum Engine Speed for PTO Operation	4000
Maximum Output Speed for PTO Engagement	250
Maximum Output Speed for PTO Operation	300
Torque Converter Clutch Engagement Speed	900
Engine Brake and Pre-Select Request	
Engine Brake Pre-Select Range	2nd
Engine Brake Pre-Select Option	Standard
Engine Brake Alternate Schedule Range	6th
Range Indicator	
Selected Ranges	4
Output Speed Indicator A	
Output Speed to Turn ON	1040
Output Speed to Turn OFF	860
Output Speed Indicator B	
Output Speed to Turn ON	80
Output Speed to Turn OFF	60
PTO Overspeed Indicator	
Engine Speed to Turn ON	1650
Engine Speed to Turn OFF	1600
Engine Overspeed Indicator	
Engine Speed to Turn ON	2650
Engine Speed to Turn OFF	2600
Sump/Retarder Temp Indicator	
Flash when Hot Oil Capacity Reduction Active	Disable
Flash when Hot Oil Preselect Active	Disable
Flash when Engine Coolant Capacity Reduction Active	Disable
Flash when Engine Coolant Preselect Active	Disable
Engine Temp to Flash Output - Reduction active	201 °F / 94 °C °F
Engine Temp to Flash Output - Pre-select active	210 °F / 99 °C °F
Engine Temp difference to Flash Output - Hysteresis	36 °F / 2 °C °F
D1 Selection	
Primary Forward Shift Selector Position	1st Range
Secondary Forward Shift Selector Position	1st Range
Override Autodetect	
Override Throttle Source	J1939
Override Engine Coolant Source	Autodetect
Override Oil Level Sensor	Autodetect
Override Retarder Autodetect	Retarder Not Present
Retarder Parameters	
Engine Coolant Temp to Start Retarder Capacity Reduction	207 °F / 97 °C °F
Retarder Capacity Reduction Enable for Hot Coolant	Disable
Preselect Shift Points Enable for Hot Coolant	Disable
Engine Coolant Temp to Invoke Retarder Auto Preselect	216 °F / 102 °C °F
Retarder Accumulator	Used
Retarder Capacity Level	Low
Two Speed Axle Enable	
Output Speed for Low Axle Select	100
Special Logic Pattern	
Engine Speed Neutral To Range Inhibit	1260
Neutral Indicator for PTO	
Engine Speed for Neutral Indicator for PTO	900
Output Speed for Neutral Indicator for PTO	60
Auto Neutral for Refuse Packer	
Output Speed for Auto Neutral for Refuse Packer	60
Brake Based Automatic Neutral	
Brake Based Automatic Neutral Preselect Range	6th
Preselect Request	
Preselect Request Shift Position (Primary)	4th
Preselect Request Shift Position (Secondary)	4th
Prognostics	
Allison Prognostics Package	Enabled
Prognostic Reset by Service Tool ONLY	No
Oil Life Remaining Offset	100 %
TES Oil Type Reset by Service Tool Only	No
TES Oil Type	TES-295
LBSS	
Load-Based Shift Schedule Feature	Not Available
LBSS Availability of Economy Mode	Not Available
LBSS-Store Schedule at Powerdown	Not Available
VAC	
Vehicle Acceleration Control Feature	Not Available
VAC Level of Acceleration Control	Not Available

SGC_Report

Trouble Code	Active	Historic	Check Trans	Description
-----	-----	-----	-----	-----
P0722	YES	YES	YES	Output Speed Sensor Circuit
No Signal				
P0848	YES	YES	YES	Transmission Pressure Switch
Solenoid 2 Circuit High				
U0115	YES	YES	YES	Lost Communication With
ECM/PCM B (CAN1/J1939)				
U0400	YES	YES	YES	Invalid Communication Link
Data Received				
P2669	YES	YES	YES	Actuator Supply Voltage 2
Open (HSD 2 open)				

Failure Records

P0722--Output Speed Sensor Circuit No Signal	
Diagnostic Trouble Code	0722
Distance (since last code clear) at First Failure	0 miles
Distance (since last code clear) at Last Failure	0 miles
Failure Record Fail Ignition Cycle Counter	0
Failure Record Pass Ignition Cycle Counter	0
Failure Record Not Run Ignition Cycle Counter	0
Gear Selected	Neutral
Gear Commanded	Neutral
Current Gear	Neutral
Previous Gear	Neutral
TCM Battery Voltage	12.0 V
Trans Fluid Temperature (TFT)	125.6 °F
Trans Input Shaft Speed	600 rpm
Trans Output Shaft Speed	2926 rpm
Turbine Speed	601 rpm
Diagnostic Transmission Gear Ratio	0.8
Accelerator Effective Position	0.0 %
Main Mod Solenoid Commanded Pressure (MM)	232.06 psi
PCS 1 Commanded Pressure	232.06 psi
PCS 2 Commanded Pressure	232.06 psi
PCS 3 Commanded Pressure	0.0 psi
PCS 4 Commanded Pressure	0.0 psi
PCS 5 Commanded Pressure	0.0 psi
PCS 6 Commanded Pressure	0.0 psi
TCC PCS Commanded Pressure	0.0 psi
Pressure Switch 1	Exhausted/OFF
Pressure Switch 2	Exhausted/OFF
Shift Solenoid 1 Status	Off
Shift Solenoid 2 Status	off
TCM Substrate Temperature	89.6 °F
Driver Demand Engine Torque	-53.84 ft-lb
Engine Torque	-53.84 ft-lb
Requested Torque Reduction	0.0 ft-lb
Normal Shift Pattern	On
Cold Shift Pattern	Off
Hot Mode (Transmission)	Off
Trailing/Hauling Shift Pattern	Off
Engine in Default Mode Shift Pattern	Off
Engine Run Time	00:00:23 hh:mm:ss
Retarder Requested	0.00 %
Retarder Temperature	201.2 °F
PS2 LU Cycling Failure	False
PS2 Current D/C Failure	False
PS2 Cumulative D/C Failure	False
PS2 Cumulative D/C Reset Count	0.00
Trans. Oil Life Remaining	99 %
SPN 1121 (EBS Brk Switch): Invalid	Not Failed
SPN 1121 (EBS Brk Switch): Error	Not Failed
SPN 1121 (EBS Brk Switch): Timeout	Not Failed
SPN 597 (CCVS Brk Switch): Invalid	Not Failed
SPN 597 (CCVS Brk Switch): Error	Not Failed
SPN 597 (CCVS Brk Switch): Timeout	Not Failed
Gear Shift Module Incompatible with Prognostics Features	False
J1939 SPN 91: Accelerator Pedal Position	Failed
J1939 SPN 92: Engine Percent Load	Failed
J1939 SPN 976: PTO State	Failed
J1939 SPN 527: Cruise Control States	Failed
J1939 SPN 110: Engine Coolant Temp	Failed
J1939 SPN 513: Actual Eng - % Torque	Failed
J1939 SPN 512: Drvr's Dmnd Eng - % Trq	Failed
J1939 SPN 514: Nominal Friction - % Trq	Failed
J1939 SPN 2432: Eng Demand - % Trq	Failed
J1587 PID 91: % Accel Pedal Position	Failed
J1587 PID 92: % Engine Load	Failed
J1587 PID 110: Engine Coolant Temp	Failed
J1587 PID 85: Cruise Control Status	Failed
Number of Current Malfunctions	4
Oil Level Sensor voltage	2.38 V
Mode Button Status (via CAN1)	Off
Active Shift Selector	Primary Selector
SEM/LRTP Compatibility	Compatible
SEM Validated	ECM doesn't support SEM
LRTP Validated	ECM doesn't support LRTP
Engine Torque Rating too High for Transmission	Acceptable
SEM Torque Reduction Status	Correct Response
LRTP Torque Reduction Status	Correct Response
Unapproved SEM Torque Reducing Device	N/A
Unapproved LRTP Torque Reducing Device	N/A
Power Take Off Active	False

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Four wheel Drive Mode Active	False
Four wheel Drive Low Fault	False
Four wheel Drive Low Active	False
TCC Slip Speed	-0.500 rpm
Output Speed Acceleration	-26.00 rpm/Sec
Turbine Speed Acceleration	7.75 rpm/Sec
U0115--Lost Communication with ECM/PCM B (CAN1/J1939)	C115
Diagnostic Trouble Code	0 miles
Distance (since last code clear) at First Failure	0 miles
Distance (since last code clear) at Last Failure	0
Failure Record Fail Ignition Cycle Counter	0
Failure Record Pass Ignition Cycle Counter	0
Failure Record Not Run Ignition Cycle Counter	Neutral
Gear Selected	Neutral
Gear Commanded	Neutral
Current Gear	Neutral
Previous Gear	Neutral
TCM Battery Voltage	12.0 V
Trans Fluid Temperature (TFT)	125.6 °F
Trans Input Shaft Speed	600 rpm
Trans Output Shaft Speed	0 rpm
Turbine Speed	600 rpm
Diagnostic Transmission Gear Ratio	8.0
Accelerator Effective Position	0.0 %
Main Mod Solenoid Commanded Pressure (MM)	232.06 psi
PCS 1 Commanded Pressure	232.06 psi
PCS 2 Commanded Pressure	232.06 psi
PCS 3 Commanded Pressure	0.0 psi
PCS 4 Commanded Pressure	0.0 psi
PCS 5 Commanded Pressure	0.0 psi
PCS 6 Commanded Pressure	0.0 psi
TCC PCS Commanded Pressure	0.0 psi
Pressure Switch 1	Exhausted/OFF
Pressure Switch 2	Exhausted/OFF
Shift Solenoid 1 Status	Off
Shift Solenoid 2 Status	Off
TCM Substrate Temperature	89.6 °F
Driver Demand Engine Torque	-53.84 ft-lb
Engine Torque	-53.84 ft-lb
Requested Torque Reduction	0.0 ft-lb
Normal Shift Pattern	On
Cold Shift Pattern	Off
Hot Mode (Transmission)	Off
Trailer/Hauling Shift Pattern	Off
Engine in Default Mode Shift Pattern	Off
Engine Run Time	00:00:09 hh:mm:ss
Retarder Requested	0.00 %
Retarder Temperature	203.0 °F
PS2 LU Cycling Failure	False
PS2 Current D/C Failure	False
PS2 Cumulative D/C Failure	False
PS2 Cumulative D/C Reset Count	0.00
Trans. Oil Life Remaining	99 %
SPN 1121 (EBS Brk Switch): Invalid	Not Failed
SPN 1121 (EBS Brk Switch): Error	Not Failed
SPN 1121 (EBS Brk Switch): Timeout	Not Failed
SPN 597 (CCVS Brk Switch): Invalid	Not Failed
SPN 597 (CCVS Brk Switch): Error	Not Failed
SPN 597 (CCVS Brk Switch): Timeout	Not Failed
Gear Shift Module Incompatible with Prognostics Features	False
J1939 SPN 91: Accelerator Pedal Position	Failed
J1939 SPN 92: Engine Percent Load	Failed
J1939 SPN 976: PTO State	Failed
J1939 SPN 527: Cruise Control States	Failed
J1939 SPN 110: Engine Coolant Temp	Failed
J1939 SPN 513: Actual Eng - % Torque	Failed
J1939 SPN 512: Drvr's Dmnd Eng - % Trq	Failed
J1939 SPN 514: Nominal Friction - % Trq	Failed
J1939 SPN 2432: Eng Demand - % Trq	Failed
J1587 PID 91: % Accel Pedal Position	Failed
J1587 PID 92: % Engine Load	Failed
J1587 PID 110: Engine Coolant Temp	Failed
J1587 PID 85: Cruise Control Status	Failed
Number of Current Malfunctions	3
Oil Level Sensor Voltage	2.38 V
Mode Button Status (via CAN1)	Off
Active Shift Selector	Primary Selector
SEM/LRTP Compatibility	Compatible
SEM Validated	ECM doesn't support SEM
LRTP Validated	ECM doesn't support LRTP
Engine Torque Rating too High for Transmission	Acceptable
SEM Torque Reduction Status	Correct Response
LRTP Torque Reduction Status	Correct Response
Unapproved SEM Torque Reducing Device	N/A
Unapproved LRTP Torque Reducing Device	N/A
U0400--Invalid Communication Link Data Received	C400
Diagnostic Trouble Code	0 miles
Distance (since last code clear) at First Failure	0 miles
Distance (since last code clear) at Last Failure	0
Failure Record Fail Ignition Cycle Counter	0
Failure Record Pass Ignition Cycle Counter	0
Failure Record Not Run Ignition Cycle Counter	0
Gear Selected	Neutral
Gear Commanded	Neutral

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Current Gear	Neutral
Previous Gear	Neutral
TCM Battery Voltage	12.0 V
Trans Fluid Temperature (TFT)	125.6 °F
Trans Input Shaft Speed	600 rpm
Trans Output Shaft Speed	0 rpm
Turbine Speed	600 rpm
Diagnostic Transmission Gear Ratio	8.0
Accelerator Effective Position	0.0 %
Main Mod Solenoid Commanded Pressure (MM)	232.06 psi
PCS 1 Commanded Pressure	232.06 psi
PCS 2 Commanded Pressure	232.06 psi
PCS 3 Commanded Pressure	0.0 psi
PCS 4 Commanded Pressure	0.0 psi
PCS 5 Commanded Pressure	0.0 psi
PCS 6 Commanded Pressure	0.0 psi
TCC PCS Commanded Pressure	0.0 psi
Pressure Switch 1	Exhausted/OFF
Pressure Switch 2	Exhausted/OFF
Shift Solenoid 1 Status	Off
Shift Solenoid 2 Status	Off
TCM Substrate Temperature	89.6 °F
Driver Demand Engine Torque	-53.84 ft-lb
Engine Torque	-53.84 ft-lb
Requested Torque Reduction	0.0 ft-lb
Normal Shift Pattern	On
Cold Shift Pattern	Off
Hot Mode (Transmission)	Off
Trailer/Hauling Shift Pattern	Off
Engine in Default Mode Shift Pattern	Off
Engine Run Time	00:00:05 hh:mm:ss
Retarder Requested	0.00 %
Retarder Temperature	204.8 °F
PS2 LU Cycling Failure	False
PS2 Current D/C Failure	False
PS2 Cumulative D/C Failure	False
PS2 Cumulative D/C Reset Count	0.00
Trans. Oil Life Remaining	99 %
SPN 1121 (EBS Brk Switch): Invalid	Not Failed
SPN 1121 (EBS Brk Switch): Error	Not Failed
SPN 1121 (EBS Brk Switch): Timeout	Not Failed
SPN 597 (CCVS Brk Switch): Invalid	Not Failed
SPN 597 (CCVS Brk Switch): Error	Not Failed
SPN 597 (CCVS Brk Switch): Timeout	Not Failed
Gear Shift Module Incompatible with Prognostics Features	False
J1939 SPN 91: Accelerator Pedal Position	Failed
J1939 SPN 92: Engine Percent Load	Failed
J1939 SPN 976: PTO State	Failed
J1939 SPN 527: Cruise Control States	Failed
J1939 SPN 110: Engine Coolant Temp	Failed
J1939 SPN 513: Actual Eng - % Torque	Failed
J1939 SPN 512: Drvr's Dmnd Eng - % Trq	Failed
J1939 SPN 514: Nominal Friction - % Trq	Failed
J1939 SPN 2432: Eng Demand - % Trq	Failed
J1587 PID 91: % Accel Pedal Position	Failed
J1587 PID 92: % Engine Load	Failed
J1587 PID 110: Engine Coolant Temp	Failed
J1587 PID 85: Cruise Control Status	Failed
Number of Current Malfunctions	2
Oil Level Sensor Voltage	2.38 V
Mode Button Status (via CAN1)	Off
Active Shift Selector	Primary Selector
SEM/LRTP Compatibility	Compatible
SEM Validated	ECM doesn't support SEM
LRTP Validated	ECM doesn't support LRTP
Engine Torque Rating too High for Transmission	Acceptable
SEM Torque Reduction Status	Correct Response
LRTP Torque Reduction Status	Correct Response
Unapproved SEM Torque Reducing Device	N/A
Unapproved LRTP Torque Reducing Device	N/A

P2669--Actuator Supply Voltage 2 Open (HSD 2 open)	
Diagnostic Trouble Code	2669
Distance (since last code clear) at First Failure	0 miles
Distance (since last code clear) at Last Failure	0 miles
Failure Record Fail Ignition Cycle Counter	0
Failure Record Pass Ignition Cycle Counter	0
Failure Record Not Run Ignition Cycle Counter	0
Gear Selected	Neutral
Gear Commanded	Neutral
Current Gear	Neutral
Previous Gear	Neutral
TCM Battery Voltage	11.4 V
Trans Fluid Temperature (TFT)	132.8 °F
Trans Input Shaft Speed	600 rpm
Trans Output Shaft Speed	0 rpm
Turbine Speed	589 rpm
Diagnostic Transmission Gear Ratio	8.0
Accelerator Effective Position	0.0 %
Main Mod Solenoid Commanded Pressure (MM)	232.06 psi
PCS 1 Commanded Pressure	0.0 psi
PCS 2 Commanded Pressure	0.0 psi
PCS 3 Commanded Pressure	232.06 psi
PCS 4 Commanded Pressure	232.06 psi
PCS 5 Commanded Pressure	0.0 psi
PCS 6 Commanded Pressure	0.0 psi
TCC PCS Commanded Pressure	0.0 psi

SGC_Report

Pressure Switch 1	Exhausted/OFF
Pressure Switch 2	Exhausted/OFF
Shift Solenoid 1 Status	Off
Shift Solenoid 2 Status	Off
TCM Substrate Temperature	89.6 °F
Driver Demand Engine Torque	-53.84 ft-lb
Engine Torque	-53.84 ft-lb
Requested Torque Reduction	0.0 ft-lb
Normal Shift Pattern	On
Cold Shift Pattern	Off
Hot Mode (Transmission)	Off
Trailing/Hauling Shift Pattern	Off
Engine in Default Mode Shift Pattern	Off
Engine Run Time	00:00:00 hh:mm:ss
Retarder Requested	0.00 %
Retarder Temperature	204.8 °F
PS2 LU Cycling Failure	False
PS2 Current D/C Failure	False
PS2 Cumulative D/C Failure	False
PS2 Cumulative D/C Reset Count	0.00
Trans. Oil Life Remaining	99 %
SPN 1121 (EBS Brk Switch): Invalid	Not Failed
SPN 1121 (EBS Brk Switch): Error	Not Failed
SPN 1121 (EBS Brk Switch): Timeout	Not Failed
SPN 597 (CCVS Brk Switch): Invalid	Not Failed
SPN 597 (CCVS Brk Switch): Error	Not Failed
SPN 597 (CCVS Brk Switch): Timeout	Not Failed
Gear Shift Module Incompatible with Prognostics Features	False
J1939 SPN 91: Accelerator Pedal Position	Failed
J1939 SPN 92: Engine Percent Load	Failed
J1939 SPN 976: PTO State	Failed
J1939 SPN 527: Cruise Control States	Failed
J1939 SPN 110: Engine Coolant Temp	Failed
J1939 SPN 513: Actual Eng - % Torque	Failed
J1939 SPN 512: Drvr's Dmnd Eng - % Trq	Failed
J1939 SPN 514: Nominal Friction - % Trq	Failed
J1939 SPN 2432: Eng Demand - % Trq	Failed
J1587 PID 91: % Accel Pedal Position	Failed
J1587 PID 92: % Engine Load	Failed
J1587 PID 110: Engine Coolant Temp	Failed
J1587 PID 85: Cruise Control Status	Failed
Number of Current Malfunctions	1
Oil Level Sensor Voltage	2.25 v
Mode Button Status (via CAN1)	Off
Active Shift Selector	Primary Selector
SEM/LRTP Compatibility	Compatible
SEM Validated	ECM doesn't support SEM
LRTP Validated	ECM doesn't support LRTP
Engine Torque Rating too High for Transmission	Acceptable
SEM Torque Reduction Status	Correct Response
LRTP Torque Reduction Status	Correct Response
Unapproved SEM Torque Reducing Device	N/A
Unapproved LRTP Torque Reducing Device	N/A
TCM High Side Driver 1 Control Circuit Short to Power Test Status	Indeterm
TCM High Side Driver 1 Control Circuit Open Circuit Test Status	Indeterm
TCM High Side Driver 1 Control Circuit Short to Ground Test Status	Passed
TCM High Side Driver 1 Control Circuit Solenoid Command	On
TCM High Side Driver 2 Control Circuit Short to Power Test Status	Indeterm
TCM High Side Driver 2 Control Circuit Open Circuit Test Status	Indeterm
TCM High Side Driver 2 Control Circuit Short to Ground Test Status	Passed
TCM High Side Driver 2 Control Circuit Solenoid Command	On
TCM High Side Driver 3 Control Circuit Short to Power Test Status	Indeterm
TCM High Side Driver 3 Control Circuit Open Circuit Test Status	Indeterm
TCM High Side Driver 3 Control Circuit Short to Ground Test Status	Passed
TCM High Side Driver 3 Control Circuit Solenoid Command	Off
Shift Solenoid 1 Control Circuit Short to Power Test Status	Passed
Shift Solenoid 1 Control Circuit Open Circuit Test Status	Passed
Shift Solenoid 1 Control Circuit Short to Ground Test Status	Passed
Shift Solenoid 1 Control Circuit Solenoid Command	Off
Shift Solenoid 2 Control Circuit Short to Power Test Status	Indeterm
Shift Solenoid 2 Control Circuit Open Circuit Test Status	Indeterm
Shift Solenoid 2 Control Circuit Short to Ground Test Status	Indeterm
Shift Solenoid 2 Control Circuit Solenoid Command	Off
P0848--Transmission Pressure Switch Solenoid 2 Circuit High	
Diagnostic Trouble Code	0848
Distance (since last code clear) at First Failure	0 miles
Distance (since last code clear) at Last Failure	0 miles
Failure Record Fail Ignition Cycle Counter	2
Failure Record Pass Ignition Cycle Counter	0
Failure Record Not Run Ignition Cycle Counter	0
Gear Selected	Neutral
Gear Commanded	Neutral
Current Gear	Neutral
Previous Gear	Neutral
TCM Battery Voltage	11.4 v
Trans Fluid Temperature (TFT)	132.8 °F
Trans Input Shaft Speed	0 rpm
Trans Output Shaft Speed	0 rpm
Turbine Speed	0 rpm
Diagnostic Transmission Gear Ratio	8.0
Accelerator Effective Position	0.0 %
Main Mod Solenoid Commanded Pressure (MM)	232.06 psi
PCS 1 Commanded Pressure	0.0 psi
PCS 2 Commanded Pressure	0.0 psi
PCS 3 Commanded Pressure	232.06 psi
PCS 4 Commanded Pressure	232.06 psi

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PCS 5 Commanded Pressure	0.0 psi
PCS 6 Commanded Pressure	0.0 psi
TCC PCS Commanded Pressure	0.0 psi
Pressure Switch 1	Exhausted/OFF
Pressure Switch 2	Exhausted/OFF
Shift Solenoid 1 Status	Off
Shift Solenoid 2 Status	Off
TCM Substrate Temperature	87.8 °F
Driver Demand Engine Torque	0.0 ft-lb
Engine Torque	0.0 ft-lb
Requested Torque Reduction	0.0 ft-lb
Normal Shift Pattern	On
Cold Shift Pattern	Off
Hot Mode (Transmission)	Off
Trailer/Hauling Shift Pattern	Off
Engine in Default Mode Shift Pattern	Off
Engine Run Time	00:00:00 hh:mm:ss
Retarder Requested	0.00 %
Retarder Temperature	174.2 °F
PS2 LU Cycling Failure	False
PS2 Current D/C Failure	False
PS2 Cumulative D/C Failure	False
PS2 Cumulative D/C Reset Count	0.00
Trans. Oil Life Remaining	99 %
SPN 1121 (EBS Brk Switch): Invalid	Not Failed
SPN 1121 (EBS Brk Switch): Error	Not Failed
SPN 1121 (EBS Brk Switch): Timeout	Not Failed
SPN 597 (CCVS Brk Switch): Invalid	Not Failed
SPN 597 (CCVS Brk Switch): Error	Not Failed
SPN 597 (CCVS Brk Switch): Timeout	Not Failed
Gear Shift Module Incompatible with Prognostics Features	False
J1939 SPN 91: Accelerator Pedal Position	Failed
J1939 SPN 92: Engine Percent Load	Failed
J1939 SPN 976: PTO State	Failed
J1939 SPN 527: Cruise Control States	Failed
J1939 SPN 110: Engine Coolant Temp	Failed
J1939 SPN 513: Actual Eng - % Torque	Failed
J1939 SPN 512: Drvr's Dmnd Eng - % Trq	Failed
J1939 SPN 514: Nominal Friction - % Trq	Failed
J1939 SPN 2432: Eng Demand - % Trq	Failed
J1587 PID 91: % Accel Pedal Position	Failed
J1587 PID 92: % Engine Load	Failed
J1587 PID 110: Engine Coolant Temp	Failed
J1587 PID 85: Cruise Control Status	Failed
Number of Current Malfunctions	1
Oil Level Sensor Voltage	2.25 V
Mode Button Status (via CAN1)	Off
Active Shift Selector	Primary Selector
SEM/LRTP Compatibility	Compatible
SEM Validated	ECM doesn't support SEM
LRTP Validated	ECM doesn't support LRTP
Engine Torque Rating too High for Transmission	Acceptable
SEM Torque Reduction Status	Correct Response
LRTP Torque Reduction Status	Correct Response
Unapproved SEM Torque Reducing Device	N/A
Unapproved LRTP Torque Reducing Device	N/A

Adaptive Shifts

Garage Shift	
D-R Oncoming Clutch Volume	41.00 cc
D-R Minimum Oncoming Clutch Volume	0.00 cc
D-R Oncoming Clutch Pressure	43.73 psi
D-R Oncoming Fill Delay	0.45 Seconds
N-R Oncoming Clutch Volume	38.00 cc
N-R Minimum Oncoming Clutch Volume	0.00 cc
N-R Oncoming Clutch Pressure	44.15 psi
R-N Off-Going Pressure	32.07 psi
N-1 Oncoming Clutch Volume	102.00 cc
N-1 Minimum Oncoming Clutch Volume	0.00 cc
N-1 Oncoming Clutch Pressure	62.31 psi
R-1 Oncoming Clutch Volume	104.00 cc
R-1 Minimum Oncoming Clutch Volume	0.00 cc
R-1 Oncoming Clutch Pressure	63.53 psi
R-1 Oncoming Fill Delay	0.45 Seconds
N-R Adapt - Pattern 0	Not Converged
N-1 Adapt - Pattern 0	Not Converged
N-2 Adapt - Pattern 0	Not Converged
D-R Adapt - Pattern 0	Not Converged
R-1 Adapt - Pattern 0	Not Converged
R-2 Adapt - Pattern 0	Not Converged

1-2	

1-2 Pattern 0 Oncoming Clutch Volume	30.00 cc
1-2 Pattern 0 Oncoming Pressure Region 0	45.40 psi
1-2 Pattern 0 Oncoming Pressure Region 1	65.27 psi
1-2 Pattern 0 Oncoming Pressure Region 2	86.73 psi
1-2 Pattern 0 Offgoing Pressure Region 0	41.19 psi
1-2 Pattern 0 Offgoing Pressure Region 1	39.74 psi
1-2 Pattern 0 Offgoing Pressure Region 2	37.56 psi
1-2 Pattern 1 Oncoming Clutch Volume	30.00 cc
1-2 Pattern 1 Oncoming Pressure Region 0	45.40 psi

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1-2	Pattern 1	Oncoming Pressure Region 1	65.27 psi
1-2	Pattern 1	Oncoming Pressure Region 2	86.73 psi
1-2	Pattern 1	Offgoing Pressure Region 0	41.19 psi
1-2	Pattern 1	Offgoing Pressure Region 1	39.74 psi
1-2	Pattern 1	Offgoing Pressure Region 2	37.56 psi
1-2	Adapt - Pattern 0	Region 0	Not Converged
1-2	Adapt - Pattern 0	Region 1	Not Converged
1-2	Adapt - Pattern 0	Region 2	Not Converged
1-2	Adapt - Pattern 1	Region 0	Not Converged
1-2	Adapt - Pattern 1	Region 1	Not Converged
1-2	Adapt - Pattern 1	Region 2	Not Converged
1-2	Adapt - Pattern 2	Region 0	Not Converged
1-2	Adapt - Pattern 2	Region 1	Not Converged
1-2	Adapt - Pattern 2	Region 2	Not Converged

2_1

2-1	Pattern 0	Full Throttle On-Coming Pressure	51.78 psi
2-1	Pattern 0	Part Throttle On-Coming Pressure	54.68 psi
2-1	Pattern 0	Step-Thru On-Coming Pressure	54.10 psi
2-1	Pattern 0	Full Throttle Off-Going Pressure Step	8.59 psi
2-1	Pattern 0	Part Throttle Off-Going Pressure Step	7.87 psi
2-1	Pattern 0	Step-Thru Off-Going Pressure Step	10.77 psi
2-1	Pattern 0	Closed Throttle On-Coming Clutch Volume	105.00 cc
2-1	Pattern 0	Pre-Select On-Coming Clutch Volume	90.00 cc
2-1	Pattern 0	Closed Throttle On-Coming Pressure	58.02 psi
2-1	Pattern 0	Pre-Select On-Coming Pressure	41.77 psi
2-1	Pattern 0	Step-Thru Off-Going Pressure	69.76 psi
2-1	Pattern 1	Full Throttle On-Coming Pressure	51.78 psi
2-1	Pattern 1	Part Throttle On-Coming Pressure	54.68 psi
2-1	Pattern 1	Step-Thru On-Coming Pressure	51.78 psi
2-1	Pattern 1	Full Throttle Off-Going Pressure Step	436.00
2-1	Pattern 1	Part Throttle Off-Going Pressure Step	7.90 psi
2-1	Pattern 1	Step-Thru Off-Going Pressure Step	9.99 psi
2-1	Pattern 1	Closed Throttle On-Coming Clutch volume	90.00 cc
2-1	Pattern 1	Pre-Select On-Coming Clutch Volume	90.00 cc
2-1	Pattern 1	Closed Throttle On-Coming Pressure	36.69 psi
2-1	Pattern 1	Pre-Select On-Coming Pressure	41.77 psi
2-1	Pattern 1	Step-Thru Off-Going Pressure	71.65 psi
2-1	Adapt - Pattern 0	Full Throttle	Not Converged
2-1	Adapt - Pattern 0	Part Throttle	Not Converged
2-1	Adapt - Pattern 0	Step-Through	Not Converged
2-1	Adapt - Pattern 0	Closed Throttle	Not Converged
2-1	Adapt - Pattern 0	Pre-select	Not Converged
2-1	Adapt - Pattern 1	Full Throttle	Not Converged
2-1	Adapt - Pattern 1	Part Throttle	Not Converged
2-1	Adapt - Pattern 1	Step-Through	Not Converged
2-1	Adapt - Pattern 1	Closed Throttle	Not Converged
2-1	Adapt - Pattern 1	Pre-select	Not Converged

2_3

2-3	Pattern 0	Oncoming Clutch Volume	36.00 cc
2-3	Pattern 0	Oncoming Pressure Region 0	42.79 psi
2-3	Pattern 0	Oncoming Pressure Region 1	53.08 psi
2-3	Pattern 0	Oncoming Pressure Region 2	62.37 psi
2-3	Pattern 0	Offgoing Pressure Region 0	61.50 psi
2-3	Pattern 0	Offgoing Pressure Region 1	63.53 psi
2-3	Pattern 0	Offgoing Pressure Region 2	67.88 psi
2-3	Pattern 1	Oncoming Clutch Volume	36.00 cc
2-3	Pattern 1	Oncoming Pressure Region 0	42.79 psi
2-3	Pattern 1	Oncoming Pressure Region 1	53.08 psi
2-3	Pattern 1	Oncoming Pressure Region 2	62.37 psi
2-3	Pattern 1	Offgoing Pressure Region 0	61.50 psi
2-3	Pattern 1	Offgoing Pressure Region 1	63.53 psi
2-3	Pattern 1	Offgoing Pressure Region 2	67.88 psi
2-3	Adapt - Pattern 0	Region 0	Not Converged
2-3	Adapt - Pattern 0	Region 1	Not Converged
2-3	Adapt - Pattern 0	Region 2	Not Converged
2-3	Adapt - Pattern 1	Region 0	Not Converged
2-3	Adapt - Pattern 1	Region 1	Not Converged
2-3	Adapt - Pattern 1	Region 2	Not Converged
2-3	Adapt - Pattern 2	Region 0	Not Converged
2-3	Adapt - Pattern 2	Region 1	Not Converged
2-3	Adapt - Pattern 2	Region 2	Not Converged

3_2

3-2	Pattern 0	Full Throttle On-Coming Pressure	42.64 psi
3-2	Pattern 0	Part Throttle On-Coming Pressure	42.64 psi
3-2	Pattern 0	Step-Thru On-Coming Pressure	42.79 psi
3-2	Pattern 0	Full Throttle Off-Going Pressure Step	5.57 psi
3-2	Pattern 0	Part Throttle Off-Going Pressure Step	5.09 psi
3-2	Pattern 0	Step-Thru Off-Going Pressure Step	8.45 psi
3-2	Pattern 0	Closed Throttle On-Coming Clutch volume	32.00 cc
3-2	Pattern 0	Pre-Select On-Coming Clutch volume	29.00 cc
3-2	Pattern 0	Closed Throttle On-Coming Pressure	43.22 psi
3-2	Pattern 0	Pre-Select On-Coming Pressure	52.21 psi
3-2	Pattern 0	Step-Thru Off-Going Pressure	61.35 psi
3-2	Pattern 1	Full Throttle On-Coming Pressure	43.80 psi
3-2	Pattern 1	Part Throttle On-Coming Pressure	43.80 psi
3-2	Pattern 1	Step-Thru On-Coming Pressure	44.24 psi
3-2	Pattern 1	Full Throttle Off-Going Pressure Step	6.20 psi
3-2	Pattern 1	Part Throttle Off-Going Pressure Step	5.62 psi
3-2	Pattern 1	Step-Thru Off-Going Pressure Step	8.96 psi

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3-2	Pattern 1 Closed Throttle On-Coming Clutch Volume	31.00 cc
3-2	Pattern 1 Pre-Select On-Coming Clutch Volume	26.00 cc
3-2	Pattern 1 Closed Throttle On-Coming Pressure	47.57 psi
3-2	Pattern 1 Pre-Select On-Coming Pressure	52.21 psi
3-2	Pattern 1 Step-Thru Off-Going Pressure	60.34 psi
3-2	Adapt - Pattern 0 Full Throttle	Not Converged
3-2	Adapt - Pattern 0 Part Throttle	Not Converged
3-2	Adapt - Pattern 0 Step-Through	Not Converged
3-2	Adapt - Pattern 0 Closed Throttle	Not Converged
3-2	Adapt - Pattern 0 Pre-select	Not Converged
3-2	Adapt - Pattern 1 Full Throttle	Not Converged
3-2	Adapt - Pattern 1 Part Throttle	Not Converged
3-2	Adapt - Pattern 1 Step-Through	Not Converged
3-2	Adapt - Pattern 1 Closed Throttle	Not Converged
3-2	Adapt - Pattern 1 Pre-select	Not Converged
3-2	Adapt - Pattern 2 Closed Throttle	Not Converged

3_4		

3-4	Pattern 0 Oncoming Clutch Volume	43.00 cc
3-4	Pattern 0 Oncoming Pressure Region 0	135.76 psi
3-4	Pattern 0 Oncoming Pressure Region 0	135.76 psi
3-4	Pattern 0 Oncoming Pressure Region 2	149.82 psi
3-4	Pattern 0 Offgoing Pressure Region 0	28.86 psi
3-4	Pattern 0 Offgoing Pressure Region 1	29.59 psi
3-4	Pattern 0 Offgoing Pressure Region 2	29.88 psi
3-4	Pattern 1 Oncoming Clutch Volume	43.00 cc
3-4	Pattern 1 Oncoming Pressure Region 0	135.76 psi
3-4	Pattern 1 Oncoming Pressure Region 1	149.82 psi
3-4	Pattern 1 Oncoming Pressure Region 2	158.96 psi
3-4	Pattern 1 Offgoing Pressure Region 0	28.86 psi
3-4	Pattern 1 Offgoing Pressure Region 1	29.59 psi
3-4	Pattern 1 Offgoing Pressure Region 2	29.88 psi
3-4	Adapt - Pattern 0 Region 0	Not Converged
3-4	Adapt - Pattern 0 Region 1	Not Converged
3-4	Adapt - Pattern 0 Region 2	Not Converged
3-4	Adapt - Pattern 1 Region 0	Not Converged
3-4	Adapt - Pattern 1 Region 1	Not Converged
3-4	Adapt - Pattern 1 Region 2	Not Converged
3-4	Adapt - Pattern 2 Region 0	Not Converged
3-4	Adapt - Pattern 2 Region 1	Not Converged
3-4	Adapt - Pattern 2 Region 2	Not Converged

4_3		

4-3	Pattern 0 Full Throttle On-Coming Pressure	42.21 psi
4-3	Pattern 0 Part Throttle On-Coming Pressure	42.21 psi
4-3	Pattern 0 Step-Thru On-Coming Pressure	41.92 psi
4-3	Pattern 0 Full Throttle Off-Going Pressure Step	14.47 psi
4-3	Pattern 0 Part Throttle Off-Going Pressure Step	14.36 psi
4-3	Pattern 0 Step-Thru Off-Going Pressure Step	16.93 psi
4-3	Pattern 0 Closed Throttle On-Coming Clutch Volume	50.00 cc
4-3	Pattern 0 Pre-Select On-Coming Clutch Volume	51.00 cc
4-3	Pattern 0 Closed Throttle On-Coming Pressure	36.40 psi
4-3	Pattern 0 Pre-Select On-Coming Pressure	40.18 psi
4-3	Pattern 0 Step-Thru Off-Going Pressure	143.73 psi
4-3	Pattern 1 Full Throttle On-Coming Pressure	42.21 psi
4-3	Pattern 1 Part Throttle On-Coming Pressure	42.35 psi
4-3	Pattern 1 Step-Thru On-Coming Pressure	42.64 psi
4-3	Pattern 1 Full Throttle Off-Going Pressure Step	13.31 psi
4-3	Pattern 1 Part Throttle Off-Going Pressure Step	14.39 psi
4-3	Pattern 1 Step-Thru Off-Going Pressure Step	15.56 psi
4-3	Pattern 1 Closed Throttle On-Coming Clutch Volume	53.00 cc
4-3	Pattern 1 Pre-Select On-Coming Clutch Volume	51.00 cc
4-3	Pattern 1 Closed Throttle On-Coming Pressure	40.76 psi
4-3	Pattern 1 Pre-Select On-Coming Pressure	40.18 psi
4-3	Pattern 1 Step-Thru Off-Going Pressure	138.66 psi
4-3	Adapt - Pattern 0 Full Throttle	Not Converged
4-3	Adapt - Pattern 0 Part Throttle	Not Converged
4-3	Adapt - Pattern 0 Step-Through	Not Converged
4-3	Adapt - Pattern 0 Closed Throttle	Not Converged
4-3	Adapt - Pattern 0 Pre-select	Not Converged
4-3	Adapt - Pattern 1 Full Throttle	Not Converged
4-3	Adapt - Pattern 1 Part Throttle	Not Converged
4-3	Adapt - Pattern 1 Step-Through	Not Converged
4-3	Adapt - Pattern 1 Closed Throttle	Not Converged
4-3	Adapt - Pattern 1 Pre-select	Not Converged
4-3	Adapt - Pattern 2 Closed Throttle	Not Converged

4_5		

4-5	Pattern 0 Oncoming Clutch Volume	49.00 cc
4-5	Pattern 0 Oncoming Pressure Region 0	41.92 psi
4-5	Pattern 0 Oncoming Pressure Region 1	44.24 psi
4-5	Pattern 0 Oncoming Pressure Region 2	47.86 psi
4-5	Pattern 0 Offgoing Pressure Region 0	24.80 psi
4-5	Pattern 0 Offgoing Pressure Region 1	25.67 psi
4-5	Pattern 0 Offgoing Pressure Region 2	25.67 psi
4-5	Pattern 1 Oncoming Clutch Volume	49.00 cc
4-5	Pattern 1 Oncoming Pressure Region 0	41.92 psi
4-5	Pattern 1 Oncoming Pressure Region 1	44.24 psi
4-5	Pattern 1 Oncoming Pressure Region 2	47.86 psi
4-5	Pattern 1 Offgoing Pressure Region 0	24.80 psi
4-5	Pattern 1 Offgoing Pressure Region 1	25.67 psi
4-5	Pattern 1 Offgoing Pressure Region 2	25.67 psi

4-5	Adapt - Pattern 0 Region 0	Not Converged
4-5	Adapt - Pattern 0 Region 1	Not Converged
4-5	Adapt - Pattern 0 Region 2	Not Converged
4-5	Adapt - Pattern 1 Region 0	Not Converged
4-5	Adapt - Pattern 1 Region 1	Not Converged
4-5	Adapt - Pattern 1 Region 2	Not Converged
4-5	Adapt - Pattern 2 Region 0	Not Converged
4-5	Adapt - Pattern 2 Region 1	Not Converged
4-5	Adapt - Pattern 2 Region 2	Not Converged

5_4

5-4	Pattern 0 Full Throttle On-Coming Pressure	53.81 psi
5-4	Pattern 0 Part Throttle On-Coming Pressure	53.81 psi
5-4	Pattern 0 Step-Thru On-Coming Pressure	53.95 psi
5-4	Pattern 0 Full Throttle Off-Going Pressure Step	6.29 psi
5-4	Pattern 0 Part Throttle Off-Going Pressure Step	6.22 psi
5-4	Pattern 0 Step-Thru Off-Going Pressure Step	7.16 psi
5-4	Pattern 0 Closed Throttle On-Coming Clutch Volume	88.00 cc
5-4	Pattern 0 Pre-Select On-Coming Clutch Volume	95.00 cc
5-4	Pattern 0 Closed Throttle On-Coming Pressure	48.01 psi
5-4	Pattern 0 Pre-Select On-Coming Pressure	46.99 psi
5-4	Pattern 0 Step-Thru Off-Going Pressure	56.27 psi
5-4	Pattern 1 Full Throttle On-Coming Pressure	53.66 psi
5-4	Pattern 1 Part Throttle On-Coming Pressure	54.24 psi
5-4	Pattern 1 Step-Thru On-Coming Pressure	53.81 psi
5-4	Pattern 1 Full Throttle Off-Going Pressure Step	5.96 psi
5-4	Pattern 1 Part Throttle Off-Going Pressure Step	6.93 psi
5-4	Pattern 1 Step-Thru Off-Going Pressure Step	7.14 psi
5-4	Pattern 1 Closed Throttle On-Coming Clutch Volume	94.00 cc
5-4	Pattern 1 Pre-Select On-Coming Clutch Volume	101.00 cc
5-4	Pattern 1 Closed Throttle On-Coming Pressure	52.36 psi
5-4	Pattern 1 Pre-Select On-Coming Pressure	46.99 psi
5-4	Pattern 1 Step-Thru Off-Going Pressure	55.55 psi
5-4	Adapt - Pattern 0 Full Throttle	Not Converged
5-4	Adapt - Pattern 0 Part Throttle	Not Converged
5-4	Adapt - Pattern 0 Step-Through	Not Converged
5-4	Adapt - Pattern 0 Closed Throttle	Not Converged
5-4	Adapt - Pattern 0 Pre-select	Not Converged
5-4	Adapt - Pattern 1 Full Throttle	Not Converged
5-4	Adapt - Pattern 1 Part Throttle	Not Converged
5-4	Adapt - Pattern 1 Step-Through	Not Converged
5-4	Adapt - Pattern 1 Closed Throttle	Not Converged
5-4	Adapt - Pattern 1 Pre-select	Not Converged
5-4	Adapt - Pattern 2 Closed Throttle	Not Converged

5_6

5-6	Pattern 0 Oncoming Clutch Volume	35.00 cc
5-6	Pattern 0 Oncoming Pressure Region 0	40.03 psi
5-6	Pattern 0 Oncoming Pressure Region 1	46.99 psi
5-6	Pattern 0 Oncoming Pressure Region 2	54.24 psi
5-6	Pattern 0 Offgoing Pressure Region 0	31.47 psi
5-6	Pattern 0 Offgoing Pressure Region 1	32.63 psi
5-6	Pattern 0 Offgoing Pressure Region 2	31.04 psi
5-6	Pattern 1 Oncoming Clutch Volume	35.00 cc
5-6	Pattern 1 Oncoming Pressure Region 0	40.03 psi
5-6	Pattern 1 Oncoming Pressure Region 1	46.99 psi
5-6	Pattern 1 Oncoming Pressure Region 2	54.24 psi
5-6	Pattern 1 Offgoing Pressure Region 0	31.47 psi
5-6	Pattern 1 Offgoing Pressure Region 1	32.63 psi
5-6	Pattern 1 Offgoing Pressure Region 2	31.04 psi
5-6	Adapt - Pattern 0 Region 0	Not Converged
5-6	Adapt - Pattern 0 Region 1	Not Converged
5-6	Adapt - Pattern 0 Region 2	Not Converged
5-6	Adapt - Pattern 1 Region 0	Not Converged
5-6	Adapt - Pattern 1 Region 1	Not Converged
5-6	Adapt - Pattern 1 Region 2	Not Converged
5-6	Adapt - Pattern 2 Region 0	Not Converged
5-6	Adapt - Pattern 2 Region 1	Not Converged
5-6	Adapt - Pattern 2 Region 2	Not Converged

6_5

6-5	Pattern 0 Full Throttle On-Coming Pressure	45.54 psi
6-5	Pattern 0 Part Throttle On-Coming Pressure	45.54 psi
6-5	Pattern 0 Step-Thru On-Coming Pressure	45.11 psi
6-5	Pattern 0 Full Throttle Off-Going Pressure Step	3.95 psi
6-5	Pattern 0 Part Throttle Off-Going Pressure Step	3.97 psi
6-5	Pattern 0 Step-Thru Off-Going Pressure Step	5.00 psi
6-5	Pattern 0 Closed Throttle On-Coming Clutch Volume	53.00 cc
6-5	Pattern 0 Pre-Select On-Coming Clutch Volume	50.00 cc
6-5	Pattern 0 Closed Throttle On-Coming Pressure	36.40 psi
6-5	Pattern 0 Pre-Select On-Coming Pressure	37.85 psi
6-5	Pattern 0 Step-Thru Off-Going Pressure	63.24 psi
6-5	Pattern 1 Full Throttle On-Coming Pressure	44.82 psi
6-5	Pattern 1 Part Throttle On-Coming Pressure	45.40 psi
6-5	Pattern 1 Step-Thru On-Coming Pressure	44.67 psi
6-5	Pattern 1 Full Throttle Off-Going Pressure Step	3.81 psi
6-5	Pattern 1 Part Throttle Off-Going Pressure Step	4.08 psi
6-5	Pattern 1 Step-Thru Off-Going Pressure Step	4.64 psi
6-5	Pattern 1 Closed Throttle On-Coming Clutch Volume	54.00 cc
6-5	Pattern 1 Pre-Select On-Coming Clutch Volume	53.00 cc
6-5	Pattern 1 Closed Throttle On-Coming Pressure	40.76 psi
6-5	Pattern 1 Pre-Select On-Coming Pressure	37.85 psi
6-5	Pattern 1 Step-Thru Off-Going Pressure	63.24 psi
6-5	Adapt - Pattern 0 Full Throttle	Not Converged
6-5	Adapt - Pattern 0 Part Throttle	Not Converged
6-5	Adapt - Pattern 0 Step-Through	Not Converged

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6-5 Adapt - Pattern 0 Closed Throttle	Not Converged
6-5 Adapt - Pattern 0 Pre-select	Not Converged
6-5 Adapt - Pattern 1 Full Throttle	Not Converged
6-5 Adapt - Pattern 1 Part Throttle	Not Converged
6-5 Adapt - Pattern 1 Step-Through	Not Converged
6-5 Adapt - Pattern 1 Closed Throttle	Not Converged
6-5 Adapt - Pattern 1 Pre-select	Not Converged
6-5 Adapt - Pattern 2 Closed Throttle	Not Converged

Code	Description	Since Clear	Since Powerup	
P063E	Auto Configuration Throttle Input Not Present	Test Failed/Not	PerfTest Failed/Not	Performed
P0122	Pedal Position Sensor Low Voltage	Test Failed/Not	PerfTest Failed/Not	Performed
P0123	Pedal Position Sensor High Voltage	Test Failed/Not	PerfTest Failed/Not	Performed
P1891	Throttle Position Sensor PWM Signal Low Input	Test Failed/Not	PerfTest Failed/Not	Performed
P1892	Throttle Position Sensor PWM Signal High Input	Test Failed/Not	PerfTest Failed/Not	Performed
P0218	Transmission Over Temperature Condition	Test Passed	Test Passed	
P0711	Transmission Fluid Temperature Sensor Circuit Pe	Test Failed/Not	PerfTest Failed/Not	Performed
P0712	Transmission Fluid Temperature Sensor Circuit Lo	Test Passed	Test Passed	
P0713	Transmission Fluid Temperature Sensor Circuit Hi	Test Passed	Test Passed	
P0634	TCM Internal Temperature Too High	Test Passed	Test Passed	
P2740	Retarder Oil Temperature Hot	Test Failed/Not	PerfTest Failed/Not	Performed
P2742	Retarder Oil Temperature Sensor Circuit Low Inpu	Test Failed/Not	PerfTest Failed/Not	Performed
P2743	Retarder Oil Temperature Sensor Circuit High Inp	Test Failed/Not	PerfTest Failed/Not	Performed
P070C	Transmission Fluid Level Sensor Circuit Low Inpu	Test Passed	Test Passed	
P070D	Transmission Fluid Level Sensor Circuit High Inp	Test Passed	Test Passed	
P2184	Engine Coolant Temperature Sensor Circuit Low	Test Failed/Not	PerfTest Failed/Not	Performed
P2185	Engine Coolant Temperature Sensor Circuit High	Test Failed/Not	PerfTest Failed/Not	Performed
P063F	Auto Configuration Engine Coolant Temp Input	Test Failed/Not	PerfTest Failed/Not	Performed
P0562	System Voltage Low	Test Passed	Test Passed	
P0880	TCM Power Input Signal	Test Passed	Test Passed	
P0881	TCM Power Input Signal Performance (Battery Volt	Test Passed	Test Passed	
P0882	TCM Power Input Signal Low (Battery Voltage)	Test Passed	Test Passed	
P0883	TCM Power Input Signal High (Battery Voltage)	Test Passed	Test Passed	
P0751	Shift Solenoid 1 Valve Performance Stuck Off	Test Failed/Not	PerfTest Failed/Not	Performed
P0752	Shift Solenoid 1 Valve Performance Stuck On	Test Failed/Not	PerfTest Failed/Not	Performed
P0973	Shift Solenoid 1 Control circuit Low	Test Failed/Not	PerfTest Failed/Not	Performed
P0974	Shift Solenoid 1 Control circuit High	Test Failed/Not	PerfTest Failed/Not	Performed
P0976	Shift Solenoid 2 Control circuit Low	Test Failed/Not	PerfTest Failed/Not	Performed
P0975	Shift Solenoid 2 Control Circuit Open	Test Failed/Not	PerfTest Failed/Not	Performed
P0977	Shift Solenoid 2 Control Circuit High	Test Failed/Not	PerfTest Failed/Not	Performed
P0960	Main Pressure Modulation Solenoid Control Circui	Test Passed	Test Passed	
P0962	Main Pressure Modulation Solenoid Control Circui	Test Passed	Test Passed	
P0963	Main Pressure Modulation Solenoid Control Circui	Test Passed	Test Passed	
P2723	Pressure Control Solenoid 1 Controlled Clutch St	Test Failed/Not	PerfTest Failed/Not	Performed
P2724	Pressure Control Solenoid 1 Controlled Clutch St	Test Failed/Not	PerfTest Failed/Not	Performed
P2727	Pressure Control (PC) Solenoid 1 System Open	Test Failed/Not	PerfTest Failed/Not	Performed
P2729	Pressure Control (PC) Solenoid 1 Control Circuit	Test Failed/Not	PerfTest Failed/Not	Performed
P2730	Pressure Control (PC) Solenoid 1 Control Circuit	Test Failed/Not	PerfTest Failed/Not	Performed
P0776	Pressure Control Solenoid 2 Controlled Clutch St	Test Failed/Not	PerfTest Failed/Not	Performed
P0777	Pressure Control Solenoid 2 Controlled Clutch St	Test Failed/Not	PerfTest Failed/Not	Performed
P0964	Pressure Control (PC) Solenoid 2 Control Circuit	Test Failed/Not	PerfTest Failed/Not	Performed
P0966	Pressure Control (PC) Solenoid 2 Control Circuit	Test Failed/Not	PerfTest Failed/Not	Performed
P0967	Pressure Control (PC) Solenoid 2 Control Circuit	Test Failed/Not	PerfTest Failed/Not	Performed
P0796	Pressure Control Solenoid 3 Controlled Clutch St	Test Failed/Not	PerfTest Failed/Not	Performed
P0797	Pressure Control Solenoid 3 Controlled Clutch St	Test Failed/Not	PerfTest Failed/Not	Performed
P0968	Pressure Control (PC) Solenoid 3 Control Circuit	Test Failed/Not	PerfTest Failed/Not	Performed
P0970	Pressure Control (PC) Solenoid 3 Control Circuit	Test Failed/Not	PerfTest Failed/Not	Performed
P0971	Pressure Control (PC) Solenoid 3 Control Circuit	Test Failed/Not	PerfTest Failed/Not	Performed
P2714	Pressure Control Solenoid 4 Controlled Clutch St	Test Failed/Not	PerfTest Failed/Not	Performed
P2715	Pressure Control Solenoid 4 Controlled Clutch St	Test Failed/Not	PerfTest Failed/Not	Performed
P2718	Pressure Control (PC) Solenoid 4 System Open	Test Passed	Test Passed	
P2720	Pressure Control (PC) Solenoid 4 Control Circuit	Test Passed	Test Passed	
P2721	Pressure Control (PC) Solenoid 4 Control Circuit	Test Passed	Test Passed	
P2736	Pressure Control (PC) Solenoid 5 System Open	Test Failed/Not	PerfTest Failed/Not	Performed
P2738	Pressure Control (PC) Solenoid 5 Control Circuit	Test Failed/Not	PerfTest Failed/Not	Performed
P2739	Pressure Control (PC) Solenoid 5 Control Circuit	Test Failed/Not	PerfTest Failed/Not	Performed
P0741	Torque Converter Clutch System Stuck Off	Test Failed/Not	PerfTest Failed/Not	Performed
P2761	TCC PCS Control Circuit Open	Test Passed	Test Passed	
P2763	TCC PCS Control Circuit High	Test Passed	Test Passed	
P2764	TCC PCS Control Circuit Low	Test Passed	Test Passed	
P2808	Pressure Control Solenoid 6 Controlled Clutch St	Test Failed/Not	PerfTest Failed/Not	Performed
P2809	Pressure Control Solenoid 6 Controlled Clutch St	Test Failed/Not	PerfTest Failed/Not	Performed
P2812	Pressure Control (PC) Solenoid 6 System Open	Test Failed/Not	PerfTest Failed/Not	Performed
P2814	Pressure Control (PC) Solenoid 6 Control Circuit	Test Failed/Not	PerfTest Failed/Not	Performed
P2815	Pressure Control (PC) Solenoid 6 Control Circuit	Test Failed/Not	PerfTest Failed/Not	Performed
P0659	Actuator Supply Voltage 1 High (HSD 1 batt)	Test Passed	Test Passed	
P0658	Actuator Supply Voltage 1 Low (HSD 1 gnd)	Test Passed	Test Passed	
P2671	Actuator Supply Voltage 2 High (HSD 2 batt)	Test Passed	Test Passed	
P2670	Actuator Supply Voltage 2 Low (HSD 2 gnd)	Test Passed	Test Passed	
P2686	Actuator Supply Voltage 3 High (HSD 3 batt)	Test Passed	Test Passed	
P2685	Actuator Supply Voltage 3 Low (HSD 3 gnd)	Test Passed	Test Passed	
P0708	Transmission Range Sensor Circuit High Input	Test Failed/Not	PerfTest Failed/Not	Performed
P0716	Turbine Speed Sensor Circuit Performance	Test Passed	Test Passed	
P0717	Turbine Speed Sensor Circuit No Signal	Test Passed	Test Passed	
P0721	Output Speed Sensor Circuit Performance	Test Failed/Not	PerfTest Failed/Not	Performed
P0722	Output Speed Sensor Circuit No Signal	Test Failed/Not	PerfTest Failed/Not	Performed
P0726	Engine Speed Input Circuit Performance	Test Passed	Test Passed	
P0727	Engine Speed Input Circuit No Signal	Test Passed	Test Passed	
P0736	Incorrect Reverse Ratio	Test Failed/Not	PerfTest Failed/Not	Performed
P1739	Incorrect Low Gear Ratio	Test Failed/Not	PerfTest Failed/Not	Performed
P0731	Incorrect 1st Gear Ratio	Test Failed/Not	PerfTest Failed/Not	Performed
P0732	Incorrect 2nd Gear Ratio	Test Failed/Not	PerfTest Failed/Not	Performed
P0733	Incorrect 3rd Gear Ratio	Test Failed/Not	PerfTest Failed/Not	Performed
P0734	Incorrect 4th Gear Ratio	Test Failed/Not	PerfTest Failed/Not	Performed
P0735	Incorrect 5th Gear Ratio	Test Failed/Not	PerfTest Failed/Not	Performed
P0729	Incorrect 6th Gear Ratio	Test Failed/Not	PerfTest Failed/Not	Performed

SGC_Report									
P0842	Transmission Pressure Switch Solenoid 1 Circuit	Test	Failed/Not	PerfTest	Failed/Not	Performed			
P0843	Transmission Pressure Switch Solenoid 1 Circuit	Test	Passed	Test	Passed				
P0847	Transmission Pressure Switch Solenoid 2 Circuit	Test	Failed/Not	PerfTest	Failed/Not	Performed			
P0848	Transmission Pressure Switch Solenoid 2 Circuit	Test	Failed/Not	PerfTest	Failed/Not	Performed			
P0989	Retarder Pressure Sensor Failed Low	Test	Failed/Not	PerfTest	Failed/Not	Performed			
P0990	Retarder Pressure Sensor Failed High	Test	Failed/Not	PerfTest	Failed/Not	Performed			
U1218	Please call 1-800-252-5283 for assistance.	Test	Failed/Not	PerfTest	Failed/Not	Performed			
P2637	Torque Management Feedback Signal (SEM)	Test	Failed/Not	PerfTest	Failed/Not	Performed			
P2641	Torque Management Feedback Signal (LRTP)	Test	Failed/Not	PerfTest	Failed/Not	Performed			
P0897	Transmission Fluid Deteriorated	Test	Passed	Test	Passed				
P2789	Clutch Adaptive Learning at Limit	Test	Passed	Test	Passed				
U0010	CAN Bus Reset Counter Overrun (CAN1/J1939)	Test	Passed	Test	Passed				
U0115	Lost Communication with ECM/PCM B (CAN1/J1939)	Test	Failed/Not	PerfTest	Failed/Not	Performed			
P0614	Torque Control Data Mismatch ECM/TCM	Test	Passed	Test	Passed				
U0100	Lost Communication with ECM/PCM A (CAN2/GMLAN or	Test	Passed	Test	Passed				
U0103	Lost Communication with Gear Shift Module 1	Test	Passed	Test	Passed				
U0404	Invalid Data Received from Gear Shift Control Mo	Test	Passed	Test	Passed				
U0291	Lost Communication with Gear Shift Module 2	Test	Failed/Not	PerfTest	Failed/Not	Performed			
U0592	Invalid Data Received from Gear Shift Control Mo	Test	Failed/Not	PerfTest	Failed/Not	Performed			
P2793	Gear Shift Direction Circuit	Test	Passed	Test	Passed				
U0304	Incompatible Gear Shift Module 1 (Shift Selector	Test	Passed	Test	Passed				
U0333	Incompatible Gear Shift Module 2 (Shift Selector	Test	Failed/Not	PerfTest	Failed/Not	Performed			
P0610	TCM Vehicle Options Error	Test	Passed	Test	Passed				
P0702	Transmission Control System Electrical	Test	Passed	Test	Passed				
P0703	Brake Switch Circuit	Test	Failed/Not	PerfTest	Failed/Not	Performed			
P278A	Kick Down Switch Circuit	Test	Failed/Not	PerfTest	Failed/Not	Performed			
P0894	Transmission Component Slipping	Test	Failed/Not	PerfTest	Failed/Not	Performed			
P071D	General Purpose Input Fault	Test	Failed/Not	PerfTest	Failed/Not	Performed			
P071A	RELS Input Failed On	Test	Failed/Not	PerfTest	Failed/Not	Performed			
P2772	Four wheel Drive Low Switch Circuit Performance	Test	Failed/Not	PerfTest	Failed/Not	Performed			
U0400	Invalid Communication Link Data Received	Test	Failed/Not	PerfTest	Failed/Not	Performed			
P088A	Transmission Fluid Filter Deteriorated	Test	Failed/Not	PerfTest	Failed/Not	Performed			
P088B	Transmission Fluid Filter Very Deteriorated	Test	Failed/Not	PerfTest	Failed/Not	Performed			
P0657	Actuator Supply Voltage 1 Open (HSD 1 open)	Test	Passed	Test	Passed				
P2669	Actuator Supply Voltage 2 Open (HSD 2 open)	Test	Failed/Not	PerfTest	Failed/Not	Performed			
P2684	Actuator Supply Voltage 3 Open (HSD 3 open)	Test	Passed	Test	Passed				

Prognostics Information

GENERAL INFO

Service Indicator On
Source of Activation None

TRANSMISSION OIL LIFE INFO

Oil Remaining Life 99 %
Current Oil Life Revs Limit 1500M
Current Oil Life Hours Limit 10000
Current Oil Life Miles Limit N/A

OIL MONITOR RESETTING HISTORY	Revs	Revs Limit	Hours	Hours Limit	Miles	Miles Limit
Most Recent Change	-	-	-	-	N/A	N/A

TES OIL TYPE SELECTION

TES Oil Type Selected TES-295

SELECTED TES OIL TYPE HISTORY	TES Oil Type Selected	Revs	Hours	Miles
Most Recent Change	Undetermined	-	-	N/A

TRANSMISSION HEALTH INFO

Transmission Health Indicator for C1 OK
Transmission Health Indicator for C2 OK
Transmission Health Indicator for C3 OK
Transmission Health Indicator for C4 OK
Transmission Health Indicator for C5 OK
Transmission Health Indicator OK

TRANSMISSION FILTER LIFE INFO

Filter Monitor Expired No
Current Drive Cycle Plug Filter Hours Timer 0.00
Cumulative Drive Cycle Plug Filter Hours Timer 0.00

*** M = Millions