

# Caterpillar Electronic Technician 2012C v1.0 Warranty Report

**8/28/2015 4:35 PM**

## Comments:

29. BXS10.755018

## **C15 Truck (BXS24569)**

Parameter	Value
Vehicle ID	820391D
Engine Serial Number	BXS24569
ECM Serial Number	12946330JJ
Personality Module Part Number	2421857-00
Personality Module Release Date	aug03
Personality Module Code	Not Programmed
ECM Date/Time	8/28/2015 4:10:23 PM

## Summary Information

Engine Serial Number	BXS24569
ECM Date/Time	8/28/2015 4:09:31 PM
Report file Creation PC Date and Time	28/08/15 04:34:09 PM
Report file Last Modified PC Date and Time	28/08/15 04:35:01 PM
Total Distance	68 Miles
Total Time	4:17 hours
Total Fuel	14 gal
Diagnostic Clock	544 hours
Vehicle ID	820391D
ECM Serial Number	12946330JJ
Personality Module Part Number	2421857-00
Personality Module Release Date	aug03
Personality Module Code	Not Programmed

Service Tool Version	2012C v1.0
Service Tool Serial Number	ETK07252
Service Tool Subscription	NEXG5000 Tech School
Default Report file name	WRPTXXXXXXXXBXS24569150828163409
Report Version	1.2

### **User Information**

Caterpillar Dealer Code:	TU
Dealer Code where repair performed:	JOES
Repair Date:	28 August 2015
Part Number(s) Causing Failure:	
Work Order# or Dealer Claim#:	
Technician Name/CWS ID:	
Customer Complaint(s):	
Comments:	
Explanation of Problem:	
Cab Type:	
Truck Make and Model:	

### **ECM Information**

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### **Critical Events**

<b>Description</b>	<b>Start Time</b>	<b>Elapsed</b>	<b>Extreme</b>	<b>Average</b>
C15 Truck (BXS24569) - Diagnostic Clock = 544 hours				
Quick Stop Occurrence	8/28/2015 4:00:55 PM	00:00:00	18 mph/s	1 mph/s

**Logged Diagnostic Codes**

<b>Code</b>	<b>Description</b>	<b>Occ.</b>	<b>First</b>	<b>Last</b>
C15 Truck (BXS24569) - Diagnostic Clock = 544 hours				
54- 5	Auxiliary Output #06 current low (66)	78	434	544
55- 5	Auxiliary Output #07 current low (67)	201	434	544
91- 8	Throttle Position Invalid (32)	91	430	544
102- 3	Boost Pressure voltage high (25)	47	486	544
111- 2	Coolant Level signal invalid (12)	85	10	544
100- 3	Oil Pressure voltage high (24)	50	486	542
108- 3	Barometric Pressure voltage high (26)	17	486	542
110- 3	Coolant Temperature voltage high (27)	20	487	542
283- 5	Intake Valve Actuation System Oil Pressure Solenoid current low (97)	134	433	542
284- 5	Engine Coolant Diverter current low (98)	120	434	542
105- 3	Intake Manifold Air Temperature voltage high (38)	29	486	534
174- 3	Fuel Temperature voltage high (13)	21	486	534
385- 3	Intake Valve Actuation System Oil Pressure voltage high (95)	28	486	534
232- 4	5 Volt Supply voltage low (21)	7	504	505
91-13	Throttle Position out of calibration (28)	7	486	495
110- 4	Coolant Temperature voltage low (27)	15	434	487

**Logged Event Codes**

Code	Description	Occ.	First	Last
C15 Truck (BXS24569) - Diagnostic Clock = 544 hours				
84-14	Quick Stop Occurrence	31	534	544

**Active Diagnostic Codes**

Code	Description
C15 Truck (BXS24569) - Diagnostic Clock = 544 hours	
84-14	Quick Stop Occurrence
91- 8	Throttle Position Invalid (32)
111- 2	Coolant Level signal invalid (12)
102- 3	Boost Pressure voltage high (25)
55- 5	Auxiliary Output #07 current low (67)
54- 5	Auxiliary Output #06 current low (66)
253- 2	Check Customer or System Parameters (56)

**Current Totals**

Description	Value	Unit
Total Time	4:17	hours
Total PTO Time	0:00	hours
Total Idle Time	2:03	hours
Total Distance	68	Miles
Total Fuel	14	gal

Total PTO Fuel	0	gal
Total Idle Fuel	2	gal
Total Max Fuel	53	gal
Average Load Factor	23	%
Lifetime Total Engine Revolutions	255000	

## **Configuration**

<b>Description</b>	<b>Value</b>	<b>Unit</b>
C15 Truck (BXS24569)		
Rating Number	1	
Rating Type	Standard	
Multi-Torque Ratio	Unavailable	
Advertised Power	435 hp	
Governed Speed	2100 rpm	
Rated Peak Torque	1650 lb-ft @ 1200 rpm	
Top Engine Speed Range	2120 - 2120 rpm	
Test Spec	0K4309-00	
Test Spec with BrakeSaver		
Vehicle ID	820391D	
Engine Serial Number	BXS24569	
ECM Serial Number	12946330JJ	
Personality Module Part Number	2421857-00	
Personality Module Release Date	aug03	
Total Tattletale	65	
Last Tool to change Customer Parameters	ET073611	
Last Tool to change System Parameters	00000000	
ECM Wireless Communications Enable	No	
Vehicle Speed Calibration	29082	P/mile
Vehicle Speed Cal (J1939-Trans)	Unavailable	R/mile
Vehicle Speed Cal (J1939-ABS)	Unavailable	Ratio
Vehicle Speed Limit	65	mph
VSL Protection	1501	rpm
Tachometer Calibration	12.0	PPR
Soft Vehicle Speed Limit	No	

Two Speed Axle - Low Speed Range Axle Ratio	Unavailable	
Nominal Axle Ratio - High Speed Range Axle Ratio	Unavailable	
Low Cruise Control Speed Set Limit	30	mph
High Cruise Control Speed Set Limit	65	mph
Engine Retarder Mode	Manual	
Engine Retarder Minimum VSL Type	Hard Limit	
Engine Retarder Minimum Vehicle Speed	5	mph
Auto Retarder in Cruise (0 = Off)	0	mph
Auto Retarder in Cruise Increment	2	mph
Cruise/Idle/PTO Switch Configuration	Set/Decel-Res/Accel	
SoftCruise Control	No	
Adaptive Cruise Control Enable	Disabled	
Idle Vehicle Speed Limit	1	mph
Idle RPM Limit	1400	rpm
Idle/PTO RPM Ramp Rate	50	rpm/s
Idle/PTO Bump RPM	20	rpm
PTO Configuration	Off	
PTO Top Engine Limit	Unavailable	rpm
PTO Engine RPM Set Speed (0 = Off)	Unavailable	rpm
PTO Engine RPM Set Speed A (0 = Off)	Unavailable	rpm
PTO Engine RPM Set Speed B (0 = Off)	Unavailable	rpm
PTO to Set Speed	Unavailable	
Maximum PTO Enable Speed	Unavailable	rpm
PTO Cab Controls RPM Limit	Unavailable	
PTO Kickout Vehicle Speed Limit	Unavailable	mph
Torque Limit	Unavailable	lb-ft
PTO Shutdown Time (0 = Off)	Unavailable	min
PTO Shutdown Timer Maximum RPM	Unavailable	rpm
PTO Activates Cooling Fan	Unavailable	
Lower Gears Engine RPM Limit	1400	rpm
Lower Gears Turn Off Speed	8	mph
Intermediate Gears Engine RPM Limit	1600	rpm
Intermediate Gears Turn Off Speed	25	mph
Gear Down Protection RPM Limit	1700	rpm
Gear Down Protection Turn On Speed	30	mph
Low Idle Engine RPM	700	rpm

Transmission Style	Eaton Top 2	
Eaton Top 2 Override with Cruise Switch	Yes	
Top Gear Ratio	0.730	
Top Gear Minus One Ratio	0.856	
Top Gear Minus Two Ratio	1.000	
Governor Type	Full Range	
Idle Shutdown Time (0 = Off)	0	min
Idle Shutdown Timer Maximum RPM	2120	rpm
Allow Idle Shutdown Override	Yes	
Minimum Idle Shutdown Outside Temperature	Not Installed	Deg F
Maximum Idle Shutdown Outside Temperature	Not Installed	Deg F
A/C Switch Fan On-Time (0 = Off)	180	sec
Fan with Engine Retarder in High Mode	Yes	
Engine Retarder Delay	0.0	sec
Battery Monitor and Engine Control Voltage	0.0	Volts
Engine Monitoring Mode	Shutdown	
Engine Monitoring Lamps	Warning Lamp	
Coolant Level Sensor	4-pin	
Engine Coolant Temperature Derate Enable	Disabled	
Maintenance Indicator Mode	Off	
PM1 Interval	0	Miles
Engine Oil Capacity	36	quarts
Fuel Correction Factor	0	%
Dash - Change Fuel Correction Factor	No	
Dash - PM1 Reset	No	
Dash - Fleet Trip Reset	No	
Dash - State Selection	Yes	
Theft Deterrent System Control	No	
Theft Deterrent Password	****	
Quick Stop Rate	7	mph/s
Vehicle Overspeed Threshold	127	mph
Minimum Idle Time (0 = Off)	0	min
Driver Reward Enable	Disabled	
Fan Override Switch	J1/P1:46	
Transmission Neutral Switch	Unavailable	

Ignore Brake/Clutch Switch	Unavailable	
Torque Limit Switch	Unavailable	
Diagnostic Enable Switch	None	
PTO On/Off Switch	Unavailable	
Remote PTO Set Switch	Unavailable	
Remote PTO Resume Switch	Unavailable	
PTO Engine RPM Set Speed Input A	Unavailable	
PTO Engine RPM Set Speed Input B	Unavailable	
Starting Aid On/Off Switch	None	
Two Speed Axle Switch	None	
Cruise Control On/Off Switch	J1/P1:59	
Cruise Control Set/Resume/Accel/Decel Switch	J1/P1:35 & 44	
Cruise Control Pause Switch	None	
Clutch Pedal Position Switch	J1/P1:22	
Retarder Off/Low/Med/High Switch	J1/P1:23 & 40	
Service Brake Pedal Position Switch #1	J1/P1:45	
Accelerator Pedal Position	J1/P1:66	
Vehicle Speed Input	J1/P1:32 & 33	
Engine Running Output	None	
Engine Shutdown Output	None	
Auxiliary Brake	J1/P1:12	
Starting Aid Output	None	
Fan Control Type	Data Invalid	
PTO Active Output	Unavailable	
Customer Password #1	*****	
Customer Password #2	*****	
Powertrain Data Link	None	
Personality Module Code	Not Programmed	
FLS	9	
FTS	-7	

### **Histogram - Total Time vs Engine Speed**

<b>Engine Speed (rpm)</b>	<b>Total Time (hours)</b>
0-599	0.00



600-699	0.15
700-799	0.25
800-899	0.10
900-999	0.05
1000-1099	0.10
1100-1199	0.20
1200-1299	0.30
1300-1399	0.40
1400-1499	0.15
1500-1599	0.05
1600-1699	0.00
1700-1799	0.10
1800-1899	0.05
1900-1999	0.00
2000-2099	0.00
2100-2199	0.00
2200-2299	0.00
2300-2399	0.00
2400-2499	0.00
2500-2599	0.00
2600-2699	0.00

### **Cylinder Cutout Reports**

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### **Cylinder Cutout - Not OK**

Not Included

### **Cylinder Cutout - OK**

Not Included

**Additional Service Tool Files**

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