

Caterpillar Electronic Technician 2012C v1.0 Warranty Report

8/29/2015 8:49 AM

Comments:

37. BXS11.255024

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 | 8/29/2015 8:24:41 AM |

Summary Information

| | |
|--|----------------------|
| Engine Serial Number | BXS24569 |
| ECM Date/Time | 8/29/2015 8:23:53 AM |
| Report file Creation PC Date and Time | 29/08/15 08:48:31 AM |
| Report file Last Modified PC Date and Time | 29/08/15 08:49:19 AM |
| Total Distance | 68 Miles |
| Total Time | 4:17 hours |
| Total Fuel | 14 gal |
| Diagnostic Clock | 547 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 | WRPTXXXXXXXXBXS24569150829084831 |
| Report Version | 1.2 |

User Information

| | |
|-------------------------------------|----------------|
| Caterpillar Dealer Code: | TU |
| Dealer Code where repair performed: | JOES |
| Repair Date: | 29 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

Critical Events

| Description | Start Time | Elapsed | Extreme | Average |
|---|-------------------------|----------------|----------------|----------------|
| C15 Truck (BXS24569) - Diagnostic Clock = 547 hours | | | | |
| Quick Stop Occurrence | 8/29/2015 8:18:50 AM | 00:00:00 | 27 mph/s | 2 mph/s |

Logged Diagnostic Codes

| Code | Description | Occ. | First | Last |
|---|--|-------------|--------------|-------------|
| C15 Truck (BXS24569) - Diagnostic Clock = 547 hours | | | | |
| 54- 5 | Auxiliary Output #06 current low (66) | 97 | 434 | 546 |
| 55- 5 | Auxiliary Output #07 current low (67) | 220 | 434 | 546 |
| 91- 8 | Throttle Position Invalid (32) | 108 | 430 | 546 |
| 111- 2 | Coolant Level signal invalid (12) | 90 | 10 | 546 |
| 102- 3 | Boost Pressure voltage high (25) | 52 | 486 | 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 = 547 hours | | | | |
| 84-14 | Quick Stop Occurrence | 39 | 534 | 546 |

Active Diagnostic Codes

| Code | Description |
|--|---|
| C15 Truck (BXS24569) - Diagnostic Clock = 547 hours | |
| 111- 2 | Coolant Level signal invalid (12) |
| 91- 8 | Throttle Position Invalid (32) |
| 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

| Description | Value | Unit |
|--|-----------------------|-------------|
| 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

| Engine Speed (rpm) | Total Time (hours) |
|---------------------------|---------------------------|
| 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

Cylinder Cutout - Not OK

Not Included

Cylinder Cutout - OK

Not Included

Additional Service Tool Files
