

# Caterpillar Electronic Technician 2012C v1.0 Warranty Report

**8/28/2015 1:20 PM**

## Comments:

26. 6NZ17.855024

## C-15 Truck (6NZ18866)

Parameter	Value
Vehicle ID	1XP5dB9x61D532271
Engine Serial Number	6NZ18866
ECM Serial Number	21736103IK
Personality Module Part Number	2707067-00
Personality Module Release Date	MAY05
Personality Module Code	Not Programmed
ECM Date/Time	8/28/2015 1:20:14 PM

## Summary Information

Engine Serial Number	6NZ18866
ECM Date/Time	8/28/2015 1:19:11 PM
Report file Creation PC Date and Time	28/08/15 01:19:16 PM
Report file Last Modified PC Date and Time	28/08/15 01:20:19 PM
Total Distance	641480 Miles
Total Time	17850:00 hours
Total Fuel	104721 gal
Diagnostic Clock	20208 hours
Vehicle ID	1XP5dB9x61D532271
ECM Serial Number	21736103IK
Personality Module Part Number	2707067-00
Personality Module Release Date	MAY05
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	WRPTXXXXXX6NZ18866150828131915
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**

Description	Start Time	Elapsed	Extreme	Average
C-15 Truck (6NZ18866) - Diagnostic Clock = 20208 hours				
Quick Stop Occurrence	8/28/2015 1:16:23 PM	00:00:00	12 mph/s	2 mph/s

**Logged Diagnostic Codes**

<b>Code</b>	<b>Description</b>	<b>Occ.</b>	<b>First</b>	<b>Last</b>
C-15 Truck (6NZ18866) - Diagnostic Clock = 20208 hours				
91- 8	Throttle Position Invalid (32)	255	19936	20208
102- 3	Boost Pressure voltage high (25)	255	20145	20208
105- 3	Intake Manifold Air Temperature voltage high (38)	255	19536	20208
111- 2	Coolant Level signal invalid (12)	195	20047	20208
174- 3	Fuel Temperature voltage high (13)	255	19536	20208
100- 3	Oil Pressure voltage high (24)	10	19941	20145
84- 8	Vehicle Speed signal out of range (36)	35	19941	20143
91-13	Throttle Position out of calibration (28)	9	20102	20142

**Logged Event Codes**

<b>Code</b>	<b>Description</b>	<b>Occ.</b>	<b>First</b>	<b>Last</b>
C-15 Truck (6NZ18866) - Diagnostic Clock = 20208 hours				
84-14	Quick Stop Occurrence	255	19939	20208
231-12	J1939 Device Not Responding	255	19936	20208
252-11	Engine Software Incorrect (59)	2	19536	20170

**Active Diagnostic Codes**

<b>Code</b>	<b>Description</b>
C-15 Truck (6NZ18866) - Diagnostic Clock = 20208 hours	
91- 8	Throttle Position Invalid (32)
102- 3	Boost Pressure voltage high (25)
111- 2	Coolant Level signal invalid (12)
231-12	J1939 Device Not Responding
252-11	Engine Software Incorrect (59)
253- 2	Check Customer or System Parameters (56)

**Current Totals**

<b>Description</b>	<b>Value</b>	<b>Unit</b>
Total Time	17850:00	hours
Total PTO Time	0:00	hours
Total Idle Time	4348:33	hours
Total Distance	641480	Miles
Total Fuel	104721	gal
Total PTO Fuel	0	gal
Total Idle Fuel	1770	gal
Total Max Fuel	244206	gal
Average Load Factor	42	%

**Configuration**

<b>Description</b>	<b>Value</b>	<b>Unit</b>
C-15 Truck (6NZ18866)		
Rating Number	1	
Rating Type	Standard	

Multi-Torque Ratio	Unavailable	
Advertised Power	475 hp	
Governed Speed	1800 rpm	
Rated Peak Torque	1650 lb-ft @ 1200 rpm	
Top Engine Speed Range	2120 - 2120 rpm	
Test Spec	0K1584-00	
Test Spec with BrakeSaver		
Vehicle ID	1XP5dB9x61D532271	
Engine Serial Number	6NZ18866	
ECM Serial Number	21736103IK	
Personality Module Part Number	2707067-00	
Personality Module Release Date	MAY05	
Total Tattletale	126	
Last Tool to change Customer Parameters	ETK07252	
Last Tool to change System Parameters	ET550975	
ECM Wireless Communications Enable	No	
Vehicle Speed Calibration	29541	P/mile
Vehicle Speed Cal (J1939-Trans)	Unavailable	R/mile
Vehicle Speed Cal (J1939-ABS)	Unavailable	Ratio
Vehicle Speed Limit	65	mph
VSL Protection	1900	rpm
Tachometer Calibration	113.0	PPR
Soft Vehicle Speed Limit	No	
Two Speed Axle - Low Speed Range Axle Ratio	3.73	
Nominal Axle Ratio - High Speed Range Axle Ratio	3.73	
Low Cruise Control Speed Set Limit	35	mph
High Cruise Control Speed Set Limit	65	mph
Engine Retarder Mode	Latch	
Engine Retarder Minimum VSL Type	Hard Limit	
Engine Retarder Minimum Vehicle Speed	0	mph
Auto Retarder in Cruise (0 = Off)	0	mph
Auto Retarder in Cruise Increment	2	mph
Cruise/Idle/PTO Switch Configuration	Set/Accel-Res/Decel	

SoftCruise Control	No	
Adaptive Cruise Control Enable	Disabled	
Idle Vehicle Speed Limit	2	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
Max PTO Vehicle Speed	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	1900	rpm
Lower Gears Turn Off Speed	10	mph
Intermediate Gears Engine RPM Limit	1900	rpm
Intermediate Gears Turn Off Speed	45	mph
Gear Down Protection RPM Limit	1900	rpm
Gear Down Protection Turn On Speed	120	mph
Top Engine Limit	2120	rpm
Top Engine Limit with Droop	No	
Low Idle Engine RPM	600	rpm
Transmission Style	Manual Option 1	
Eaton Top 2 Override with Cruise Switch	Unavailable	
Top Gear Ratio	0.740	
Top Gear Minus One Ratio	1.000	
Top Gear Minus Two Ratio	1.387	
Governor Type	Min/Max	
Idle Shutdown Time (0 = Off)	5	min

Idle Shutdown Timer Maximum RPM	2120	rpm
Allow Idle Shutdown Override	No	
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	No	
Engine Retarder Delay	0.0	sec
Battery Monitor and Engine Control Voltage	0.0	Volts
Engine Monitoring Mode	Derate	
Engine Monitoring Lamps	Warning Lamp	
Coolant Level Sensor	4-pin	
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
Minimum Idle Time (0 = Off)	5	min
Driver Reward Enable	Enabled	
Fan Override Switch	None	
Ignore Brake/Clutch Switch	Unavailable	
Torque Limit Switch	Unavailable	
Diagnostic Enable Switch	J1939 - Instrument Cluster	
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	J1/P1:6	

Two Speed Axle Switch	J1939 - Body Controller	
Cruise Control On/Off Switch	J1/P1:59	
Cruise Control Set/Resume/Accel/Decel Switch	J1/P1:35 & 44	
Cruise Control Pause Switch	J1939 - Cab Controller	
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	J1/P1:13	
Auxiliary Brake	J1/P1:12	
Starting Aid Output	J1/P1:10	
Fan Control Type	On-Off	
PTO Active Output	Unavailable	
Customer Password #1	*****	
Customer Password #2	*****	
Powertrain Data Link	J1939	
Personality Module Code	Not Programmed	
FLS	93	
FTS	-125	

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

<b>Engine Speed (rpm)</b>	<b>Total Time (hours)</b>
0-599	0.00
600-699	0.00
700-799	0.00
800-899	0.00
900-999	0.00
1000-1099	0.00
1100-1199	0.00
1200-1299	0.00
1300-1399	0.00



1400-1499	0.00
1500-1599	0.00
1600-1699	0.00
1700-1799	0.00
1800-1899	0.00
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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