

Cat Electronic Technician 2013B v1.0 Warranty Report

1/18/2015 9:45 AM

Comments:

Synercon Test Case with C-12 Truck

C-12 Truck (MBL13232)

Parameter	Value
Vehicle ID	2HSCEAXR24C015095
Engine Serial Number	MBL13232
ECM Serial Number	21736103IK
Personality Module Part Number	2368689-00
Personality Module Release Date	may03
Personality Module Code	235
ECM Date/Time	1/18/2015 9:51:11 AM

Summary Information

Engine Serial Number	MBL13232
ECM Date/Time	1/18/2015 9:40:47 AM
Report file Creation PC Date and Time	18/01/15 09:34:09 AM
Report file Last Modified PC Date and Time	18/01/15 09:44:32 AM
Total Distance	641486 Miles
Total Time	17850:17 hours
Total Fuel	104722 gal
Diagnostic Clock	19514 hours
Vehicle ID	2HSCEAXR24C015095
ECM Serial Number	21736103IK
Personality Module Part Number	2368689-00
Personality Module Release Date	may03
Personality Module Code	235

Service Tool Version	2013B v1.0
Service Tool Serial Number	ETK08354
Service Tool Subscription	NEXG5000 Tech School
Default Report file name	WRPTXXXXXXXXMBL13232150118093409
Report Version	1.2

User Information

Caterpillar Dealer Code:	
Dealer Code where repair performed:	
Repair Date:	18 January 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
C-12 Truck (MBL13232) - Diagnostic Clock = 19514 hours				
No Critical Events.				

Logged Diagnostic Codes

Code	Description	Occ.	First	Last
C-12 Truck (MBL13232) - Diagnostic Clock = 19514 hours				
111- 3	Coolant Level voltage high (12)	7	19492	19513
100- 3	Oil Pressure voltage high (24)	15	19467	19499
102- 3	Boost Pressure voltage high (25)	16	19468	19499
105- 3	Intake Manifold Air Temperature voltage high (38)	255	19067	19499
108- 3	Barometric Pressure voltage high (26)	17	19467	19499
111- 2	Coolant Level signal invalid (12)	5	19493	19499
174- 3	Fuel Temperature voltage high (13)	255	19067	19499
91- 8	Throttle Position Invalid (32)	29	19493	19498
232- 3	5 Volt Supply voltage high (21)	6	19468	19493
110- 4	Coolant Temperature voltage low (27)	1	19468	19468

Logged Event Codes

Code	Description	Occ.	First	Last
C-12 Truck (MBL13232) - Diagnostic Clock = 19514 hours				
102- 7	Boost Pressure not responding	15	19490	19499

Active Diagnostic Codes

Code	Description
C-12 Truck (MBL13232) - Diagnostic Clock = 19514 hours	
111- 3	Coolant Level voltage high (12)

Current Totals

Description	Value	Unit
Total Time	17850:17	hours
Total PTO Time	0:00	hours
Total Idle Time	4348:39	hours
Total Distance	641486	Miles
Total Fuel	104722	gal
Total PTO Fuel	0	gal
Total Idle Fuel	1770	gal
Total Max Fuel	244209	gal
Average Load Factor	42	%

Configuration

Description	Value	Unit
C-12 Truck (MBL13232)		
Rating Number	1	
Rating Type	Multi-Torque	
Multi-Torque Ratio	MT-4	
Advertised Power	380/430 hp	
Governed Speed	2100 rpm	
Rated Peak Torque	1450/1550 lb-ft @ 1200 rpm	
Top Engine Speed Range	2120 - 2120 rpm	
Test Spec	0K4987/88-00	

Test Spec with BrakeSaver		
Vehicle ID	2HSCEAXR24C015095	
Engine Serial Number	MBL13232	
ECM Serial Number	21736103IK	
Personality Module Part Number	2368689-00	
Personality Module Release Date	may03	
Total Tattletale	97	
Last Tool to change Customer Parameters	ETK08354	
Last Tool to change System Parameters	00000000	
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	Unavailable	
Nominal Axle Ratio - High Speed Range Axle Ratio	Unavailable	
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	Shutdown	
Engine Monitoring Lamps	Warning Lamp	
Coolant Level Sensor	2-wire Float Sensor	
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	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	Unavailable	
Engine Running Output	None	
Engine Shutdown Output	None	
Auxiliary Brake	None	
Starting Aid Output	None	
Fan Control Type	On-Off	
PTO Active Output	Unavailable	
Customer Password #1	*****	
Customer Password #2	*****	
Powertrain Data Link	J1939	
Personality Module Code	235	
FLS	93	
FTS	-125	
Injector 1	4880	
Injector 2	5713	
Injector 3	6940	
Injector 4	5959	
Injector 5	1111	
Injector 6	5851	

Histogram - Total Time vs Engine Speed

Engine Speed (rpm)	Total Time (hours)
0-599	275.20
600-699	387.95
700-799	173.20
800-899	233.40
900-999	346.60
1000-1099	579.70
1100-1199	928.25

1200-1299	2063.80
1300-1399	4431.75
1400-1499	3237.00
1500-1599	476.35
1600-1699	188.25
1700-1799	101.90
1800-1899	47.65
1900-1999	19.85
2000-2099	8.15
2100-2199	3.85
2200-2299	0.10
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
