



**Vehicle Attachment 5 – 2010 Kenworth Truck Tractor
Caterpillar Engine Data**

Mount Vernon, WA; 05/23/2013

HWY13MH012

(13 pages)

Caterpillar Electronic Technician 2011A v1.0 ECM Summary

5/24/2013 3:06 PM

Description	Value
C15 Truck (SDP22330)	
Vehicle ID	942678J
Engine Serial Number	SDP22330
ECM Serial Number	28186049RA
Personality Module Part Number	3825349-00
Personality Module Release Date	JAN12
Personality Module Code	156
ECM Date/Time	5/24/2013 7:31:46 PM

Caterpillar Electronic Technician 2011A v1.0 Critical Events

5/24/2013 3:27 PM

C15 Truck (SDP22330)

Parameter	Value
Vehicle ID	942678J
Engine Serial Number	SDP22330
ECM Serial Number	28186049RA
Personality Module Part Number	3825349-00
Personality Module Release Date	JAN12
Personality Module Code	156
ECM Date/Time	5/24/2013 7:53:00 PM

	Start Time	Elapsed	Extreme	Average
C15 Truck (SDP22330)				
No Critical Events.				

Caterpillar Electronic Technician 2011A v1.0 Active Diagnostic Codes

5/24/2013 3:25 PM

C15 Truck (SDP22330)

Parameter	Value
Vehicle ID	942678J
Engine Serial Number	SDP22330
ECM Serial Number	28186049RA
Personality Module Part Number	3825349-00
Personality Module Release Date	JAN12
Personality Module Code	156
ECM Date/Time	5/24/2013 7:50:51 PM

Code	Description
C15 Truck (SDP22330)	
No Active Codes	

Caterpillar Electronic Technician 2011A v1.0 Configuration

5/24/2013 3:13 PM

C15 Truck (SDP22330)

Parameter	Value
Vehicle ID	942678J
Engine Serial Number	SDP22330
ECM Serial Number	28186049RA
Personality Module Part Number	3825349-00
Personality Module Release Date	JAN12
Personality Module Code	156
ECM Date/Time	5/24/2013 7:38:27 PM

Description	Value	TT
Selected Engine Rating		
Rating Number	1	0
Rating Type	Standard	
Multi-Torque Ratio	Unavailable	
ARD Configuration Code	3003308	0
Advertised Power	550 hp	
Governed Speed	2300 rpm	
Rated Peak Torque	1850 lb-ft @ 1200 rpm	
Top Engine Speed Range	2320 - 2320 rpm	
Test Spec	0K8583-00	
Test Spec with BrakeSaver		
ECM Identification Parameters		
Vehicle ID	942678J	1
Engine Serial Number	SDP22330	
ECM Serial Number	28186049RA	
Personality Module Part Number	3825349-00	
Personality Module Release Date	JAN12	
Vehicle Application Type	Other	255
Security Access Parameters		

Total Tattletale	3798	
Last Tool to change Customer Parameters	ET462034	
Last Tool to change System Parameters	ET462034	
ECM Wireless Communications Enable	No	0
Vehicle Speed Parameters		
Vehicle Speed Calibration	32543 P/mile	1
Vehicle Speed Cal (J1939-Trans)	Unavailable	
Vehicle Speed Cal (J1939-ABS)	Unavailable	
Vehicle Speed Limit	99 mph	2
VSL Protection	2100 rpm	2
Tachometer Calibration	113.0 PPR	1
Soft Vehicle Speed Limit	No	0
Two Speed Axle - Low Speed Range Axle Ratio	Unavailable	
Nominal Axle Ratio - High Speed Range Axle Ratio	Unavailable	
Cruise Control Parameters		
Low Cruise Control Speed Set Limit	15 mph	1
High Cruise Control Speed Set Limit	67 mph	2
Engine Retarder Mode	Manual	2
Engine Retarder Minimum VSL Type	Hard Limit	0
Engine Retarder Minimum Vehicle Speed	0 mph	0
Auto Retarder in Cruise (0 = Off)	1 mph	2
Auto Retarder in Cruise Increment	0 mph	2
Cruise/Idle/PTO Switch Configuration	Set/Accel-Res/Decel	0
SoftCruise Control	No	1
Adaptive Cruise Control Enable	Disabled	0
Idle Parameters (Old PTO)		
Idle Vehicle Speed Limit	15 mph	2
Idle RPM Limit	1400 rpm	3
Idle/PTO RPM Ramp Rate	250 rpm/s	1
Idle/PTO Bump RPM	20 rpm	0
Fast Idle RPM #1	1000 rpm	0
Fast Idle RPM #2 (0 = Off)	0 rpm	0
Warm Up Mode Idle Speed	1000 rpm	0
Dedicated PTO Parameters		
PTO Configuration	Off	0
PTO Top Engine Limit	Unavailable	
PTO Engine RPM Set Speed (0 = Off)	Unavailable	
PTO Engine RPM Set Speed A (0 = Off)	Unavailable	

PTO Engine RPM Set Speed B (0 = Off)	Unavailable	
PTO to Set Speed	Unavailable	
Maximum PTO Enable Speed	Unavailable	
PTO Cab Controls RPM Limit	Unavailable	
PTO Kickout Vehicle Speed Limit	Unavailable	
Max PTO Vehicle Speed	Unavailable	
Torque Limit	Unavailable	
PTO Shutdown Time (0 = Off)	Unavailable	
PTO Shutdown Timer Maximum RPM	Unavailable	
PTO Low Idle Shutdown Load Percentage Threshold	Unavailable	
PTO Activates Cooling Fan	Unavailable	
Engine/Gear Parameters		
Lower Gears Engine RPM Limit	2120 rpm	0
Lower Gears Turn Off Speed	3 mph	1
Intermediate Gears Engine RPM Limit	2120 rpm	0
Intermediate Gears Turn Off Speed	5 mph	0
Gear Down Protection RPM Limit	2120 rpm	1
Gear Down Protection Turn On Speed	127 mph	1
Low Idle Engine RPM	700 rpm	1
Transmission Style	Manual	0
Eaton Top 2 Override with Cruise Switch	Unavailable	
Top Gear Ratio	0.730	1
Top Gear Minus One Ratio	0.856	1
Top Gear Minus Two Ratio	1.000	1
Governor Type	Full Range	0
Transmission Neutral Start Interlock	Disabled	0
PTO Governor Maximum Integral Gain Multiplier	1.0	0
PTO Governor Minimum Integral Gain Multiplier	1.0	0
PTO Governor Proportional Gain Multiplier	1.0	0
Emissions Parameters		
ARD Programmable Regeneration Monitoring System	Shutdown	0
ARD Fan Enable Vehicle Speed Threshold	20.0 mph	0
ARD PTO Mode Stationary Regeneration Enable	Disabled	0
Data Link ARD Disable	Not Disabled	2
Number of Diesel Particulate Filters	1	0
DPF #1 Serial Number	740C11005C0032	2
DPF #2 Serial Number	Unavailable	

ARD Fuel Nozzle Cleaner Configuration	Nozzle Heater	0
Timer Parameters		
Engine Emissions Certification Configuration	Environmental Protection Agency (EPA)	0
Engine Idle Shutdown System Configuration	Caterpillar	0
Cold Mode Idle Shutdown Timer Enable	Disabled	0
Engine Idle Shutdown Timer Reset Enable	Enabled	0
Idle Shutdown Time (0 = Off)	0 min	1
Idle Shutdown Timer Maximum RPM	2120 rpm	0
Allow Idle Shutdown Override	Yes	0
Idle Shutdown Timer Neutral Switch Ignore Configuration	Do Not Ignore	0
Minimum Idle Shutdown Outside Temperature	Not Installed	
Maximum Idle Shutdown Outside Temperature	Not Installed	
A/C Switch Fan On-Time (0 = Off)	30 sec	2
Engine Retarder Delay	0.0 sec	0
Smart Idle Parameters		
Battery Monitor and Engine Control Voltage	0.0 Volts	0
Engine Monitoring Parameters		
Engine Monitoring Mode	Derate	0
Engine Monitoring Lamps		
Warning Lamp Config	J1/P1:29	0
Low Coolant Level Lamp Config	None	0
High Coolant Temperature Lamp Config	None	0
Low Oil Pressure Lamp Config	None	0
Coolant Level Sensor	2-wire float	1
Maintenance Parameters		
Maintenance Indicator Mode	Off	0
PM1 Interval	0 Miles	0
Engine Oil Capacity	40 quarts	0
Trip Parameters		
Fuel Correction Factor	0 %	0
Dash - Change Fuel Correction Factor	No	0
Dash - PM1 Reset	No	0
Dash - Fleet Trip Reset	No	0
Dash - State Selection	Yes	0
Theft Deterrent System Control	No	0
Theft Deterrent Password	****	
Quick Stop Rate	10 mph/s	2

Vehicle Overspeed Threshold	127 mph	0
Vehicle Activity Report Parameters		
Minimum Idle Time (0 = Off)	0 min	0
Driver Reward		
Driver Reward Enable	Enabled	0
Fan Control		
Fan Control Type	On/Off DC	1
Fan Pulley Ratio	1.300	0
Fan with Engine Retarder in High Mode	No	2
Number of Cooling Fan Blades	11 Blades	0
Cooling Fan Diameter	32 Inch	0
Minimum Fan Speed	Unavailable	
Maximum Fan Speed	Unavailable	
Maximum Fan Speed Ratio Multiplier	Unavailable	
Input Selections		
Fan Override Switch	J1939 - Cab Controller	1
Transmission Neutral Switch	None	1
Ignore Brake/Clutch Switch	Unavailable	
Torque Limit Switch	Unavailable	
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	0
Two Speed Axle Switch	None	1
Cruise Control On/Off Switch	J1939 - Cab Controller	1
Cruise Control Set Switch Config	J1939 - Cab Controller	1
Cruise Control Resume Switch Config	J1939 - Cab Controller	1
Cruise Control Pause Switch	None	0
Clutch Pedal Position Switch	J1939 - Cab Controller	1
Retarder Low/High Switch Config	J1939 - Cab Controller	1
Retarder Medium/High Switch Config	J1939 - Cab Controller	1
Service Brake Pedal Position Switch #1	J1939 - Cab Controller	1
Fast Idle Enable Switch	None	0
Parking Brake Input	J1939 - Cab Controller	1
PTO Accelerator Sensor	Unavailable	
PTO Engine Shutdown Switch	Unavailable	

Service Brake Pedal Position Switch #2	None	0
Accelerator Pedal Position	J1/P1:66	0
A/C High Pressure Switch	J1/P1:41	1
Vehicle Speed Input	J1/P1:32 & 33	1
ARD Disable Switch Config	J1939 - Cab Controller	1
ARD Force Switch Config	J1939 - Cab Controller	1
ARD Automatic Regeneration Switch Configuration	None	0
Air Inlet Shutoff Switch	Unavailable	
Air Inlet Shutoff Threshold Reduction Switch Config	Unavailable	
Engine Shutdown Override Switch Configuration	None	0
ARD Soft Shutdown Input Configuration	None	0
Output Selections		
Engine Running Output	None	1
Engine Shutdown Output	None	1
Auxiliary Brake	None	1
Starting Aid Output	None	1
PTO Active Output	Unavailable	
PTO Switch On Lamp	Unavailable	
Fast Idle Enabled Lamp	None	0
Lockout Solenoid	Unavailable	0
Shift Solenoid	Unavailable	0
DPF Lamp	None	0
Exhaust System High Temperature Lamp	None	0
ARD Disabled Lamp	None	0
Air Inlet Shutoff Relay Control	Unavailable	
Fuel Tank Parameters		
Primary Fuel Tank Capacity	None	0
Secondary Fuel Tank Capacity	None	0
Passwords		
Customer Password #1	*****	
Customer Password #2	*****	
Data Link Parameters		
Powertrain Data Link	J1939	0
System Settings		
Personality Module Code	156	6
FLS	-5	2
FTS	-6	2
CAN Communication Protocol Write Security	Seed and Key Access	0

CAN Communication Protocol Read Security	Seed and Key Access	0
DPF Ash Service Reset	Not Reset	
Air Inlet Shutoff System Installation	Not Installed	0
Vehicle Voltage Selection	12 Volt	0
Compression Brake System Installation	Installed	0

Caterpillar Electronic Technician 2011A v1.0 Total Time vs Vehicle Speed

5/24/2013 3:17 PM

C15 Truck (SDP22330)

Parameter	Value
Vehicle ID	942678J
Engine Serial Number	SDP22330
ECM Serial Number	28186049RA
Personality Module Part Number	3825349-00
Personality Module Release Date	JAN12
Personality Module Code	156
ECM Date/Time	5/24/2013 7:42:26 PM

Vehicle Speed(mph)	hours	%
0-4	145.20	3.72
5-9	108.10	2.77
10-14	76.65	1.96
15-19	73.60	1.88
20-24	73.70	1.89
25-29	83.70	2.14
30-34	94.95	2.43
35-39	113.35	2.90
40-44	159.00	4.07
45-49	228.50	5.85
50-54	400.20	10.25
55-59	1198.65	30.69
60-64	1071.20	27.43
65-69	78.75	2.02
70-74	0.10	0.00
75-79	0.00	0.00

Total Time vs Vehicle Speed

