

DIAGNOSTIC REPORT

VIN: 2NP2HJ7X6EM247696

Model Year: 2014

Manufacturer: Peterbilt

COMPONENT	FAULT CODES	45 TOTAL / 20 ACTIVE / 25 INACTIVE
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ENGINE #1 - J1939	ACTIVE FAULT CODES (20)
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Vehicle Make: Cummins	Fault Description: Engine Variable Geometry Turbocharger Actuator	SPN 641
ECM Serial Number: 73602828	#1	FMI: 9
ECM Model: 6L u13D0890000000	FMI Description: Abnormal Update Rate	
VIN: 2NP2HJ7X6EM247696	Count: 1	
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	Fault Description: ECL	SPN 111
	FMI Description: Data Valid but below Normal Operating Range - Moderately Severe Level	FMI: 18
	Count: 4	
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	Fault Description: Undefined	SPN 6713
	FMI Description: Abnormal Update Rate	FMI: 9
	Count: 1	
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	Fault Description: Accelerator Pedal Position 1	SPN 91
	FMI Description: Abnormal Frequency or Pulse Width or Period	FMI: 8
	Count: 1	
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	Fault Description: Undefined	SPN 6802
	FMI Description: Condition Exists	FMI: 31
	Count: 1	
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	Fault Description: Engine Crankcase Pressure 1	SPN 101
	FMI Description: Voltage below Normal, or Shorted to low Source	FMI: 4
	Count: 1	
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	Fault Description: Engine Oil Pressure	SPN 100
	FMI Description: Voltage below Normal, or Shorted to low Source	FMI: 4
	Count: 1	
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	Fault Description: AAT	SPN 171
	FMI Description: Voltage above Normal, or Shorted to High Source	FMI: 3
	Count: 1	
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	Fault Description: Water In Fuel Indicator	SPN 97
	FMI Description: Voltage above Normal, or Shorted to High Source	FMI: 3
	Count: 1	
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	Fault Description: ECL	SPN 111
	FMI Description: Voltage above Normal, or Shorted to High Source	FMI: 3
	Count: 1	

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Fault Description: Engine Fuel Pump Pressurizing Assembly #1 FMI Description: Voltage above Normal, or Shorted to High Source Count: 1	SPN 1347 FMI: 3
Fault Description: Engine Turbocharger 1 Compressor Intake Temperature FMI Description: Voltage above Normal, or Shorted to High Source Count: 1	SPN 1172 FMI: 3
Fault Description: Accelerator Pedal #1 Channel 2 FMI Description: Abnormal Frequency or Pulse Width or Period Count: 1	SPN 2623 FMI: 8
Fault Description: Catalyst Tank Temperature FMI Description: Voltage above Normal, or Shorted to High Source Count: 1	SPN 3031 FMI: 3
Fault Description: Catalyst Dosing Unit FMI Description: Voltage above Normal, or Shorted to High Source Count: 1	SPN 3361 FMI: 3
Fault Description: AFT 1 DPF Differential Pressure FMI Description: Voltage below Normal, or Shorted to low Source Count: 1	SPN 3251 FMI: 4
Fault Description: ECU Power Output Supply Voltage #1 FMI Description: Data Erratic, Intermittent or Incorrect Count: 1	SPN 3597 FMI: 2
Fault Description: EGR 1 Cooler Efficiency FMI Description: Data Valid but below Normal Operating Range - Moderately Severe Level Count: 1	SPN 4752 FMI: 18
Fault Description: AFT 1 SCR Dosing Reagent Absolute Pressure FMI Description: Voltage below Normal, or Shorted to low Source Count: 1	SPN 4334 FMI: 4
Fault Description: DEF Dosing Valve FMI Description: Current below Normal or Open Circuit Count: 1	SPN 5394 FMI: 5

INACTIVE FAULT CODES (25)

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COMPONENT	FAULT CODES	45 TOTAL / 20 ACTIVE / 25 INACTIVE
	Fault Description: ECT FMI Description: Data Valid but above Normal Operational Range - Most Severe Level Count: 20	SPN 110 FMI: 0
	Fault Description: EGR 1 Temperature FMI Description: Data Valid but above Normal Operating Range - Moderately Severe Level Count: 44	SPN 412 FMI: 16
	Fault Description: ECL FMI Description: Data Valid but below Normal Operating Range - Least Severe Level Count: 4	SPN 111 FMI: 17
	Fault Description: ECT FMI Description: Condition Exists Count: 25	SPN 110 FMI: 31
	Fault Description: Engine Injector Metering Rail 1 Pressure FMI Description: Voltage above Normal, or Shorted to High Source Count: 0	SPN 157 FMI: 3
	Fault Description: Engine Throttle Valve 1 Position 1 FMI Description: Voltage above Normal, or Shorted to High Source Count: 0	SPN 51 FMI: 3
	Fault Description: EGR 1 Valve Position FMI Description: Voltage below Normal, or Shorted to low Source Count: 0	SPN 27 FMI: 4
	Fault Description: Engine Intake Manifold #1 Pressure FMI Description: Voltage below Normal, or Shorted to low Source Count: 0	SPN 102 FMI: 4
	Fault Description: EGR 1 Temperature FMI Description: Voltage above Normal, or Shorted to High Source Count: 0	SPN 412 FMI: 3
	Fault Description: EGR 1 Differential Pressure FMI Description: Voltage below Normal, or Shorted to low Source Count: 0	SPN 411 FMI: 4
	Fault Description: Engine Intake Manifold 1 Temperature FMI Description: Voltage above Normal, or Shorted to High Source Count: 0	SPN 105 FMI: 3

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	Fault Description: BARO FMI Description: Voltage below Normal, or Shorted to low Source Count: 0	SPN 108 FMI: 4
	Fault Description: ECT FMI Description: Voltage above Normal, or Shorted to High Source Count: 0	SPN 110 FMI: 3
	Fault Description: Engine Fuel Leakage 1 FMI Description: Data Valid but above Normal Operating Range - Moderately Severe Level Count: 2	SPN 1239 FMI: 16
	Fault Description: Engine Injector Metering Rail 2 Pressure FMI Description: Voltage above Normal, or Shorted to High Source Count: 0	SPN 1349 FMI: 3
	Fault Description: Engine Exhaust Gas Pressure FMI Description: Voltage below Normal, or Shorted to low Source Count: 0	SPN 1209 FMI: 4
	Fault Description: Catalyst Tank Heater FMI Description: Voltage above Normal, or Shorted to High Source Count: 0	SPN 3363 FMI: 3
	Fault Description: Particulate Trap Outlet Pressure 1 FMI Description: Voltage below Normal, or Shorted to low Source Count: 0	SPN 3610 FMI: 4
	Fault Description: AFT 1 SCR Catalyst Reagent Return Valve FMI Description: Voltage above Normal, or Shorted to High Source Count: 0	SPN 4376 FMI: 3
	Fault Description: AFT 1 SCR Catalyst Reagent Line Heater 2 State FMI Description: Current below Normal or Open Circuit Count: 0	SPN 4342 FMI: 5
	Fault Description: AFT 1 SCR Catalyst Reagent Line Heater 1 State FMI Description: Current below Normal or Open Circuit Count: 0	SPN 4340 FMI: 5
	Fault Description: AFT 1 SCR Catalyst Reagent Line Heater 3 State FMI Description: Current below Normal or Open Circuit Count: 0	SPN 4344 FMI: 5

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Fault Description: AFT 1 DEF Line Heater Relay	SPN 5491
FMI Description: Voltage below Normal, or Shorted to low Source	FMI: 4
Count: 0	
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Fault Description: AFT 1 DEF Dosing Unit Heater Relay	SPN 5746
FMI Description: Voltage below Normal, or Shorted to low Source	FMI: 4
Count: 0	
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Fault Description: DPF Temperature Sensor Module	SPN 5742
FMI Description: Abnormal Update Rate	FMI: 9
Count: 0	

RETARDER, EXHAUST, ACTIVE FAULT CODES (0)

ECM Serial Number: None
ECM Model:

INACTIVE FAULT CODES (0)

None

PARAMETERS

ENGINE #1 - J1939

Rated Horsepower	300 BHP	Engine Rated RPM	Not Available
MIL Status	On, don't flash	Fuel Level	Not Available
Battery Voltage	12.25 V	Ignition Voltage	Not Available
Engine RPM	0 RPM	Vehicle Speed	0 mph
Throttle Position	Error	Brake Switch	N/A
Clutch Switch	N/A	Engine Operating State	Engine Stopped
Engine Intake Air Temperature	Not Available	Engine Intake Air Pressure	Not Available
Barometric Pressure	8.70 psi	Coolant Level	100 %
Coolant Temperature	212.0 °F	Oil Level	Not Available
Oil Temperature	Not Available	Oil Pressure	27.3 psi
DPF Status	Regen not Needed	Regen Status	N/A
DPF Active Regen Inhibited Status	Inhibited	DPF Active Regen Inhibited Due to Inhibit Switch	Inhibited
DPF Regen Inhibit Switch	N/A	DPF Regen Force Switch	N/A
Exhaust Temperature 1	Error	Exhaust Temperature 2	Not Available
Exhaust Temperature 3	Not Available	DPF Intake Temperature	Error
DPF Outlet Temperature	Error	DPF Differential Pressure	Error

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LIFE DATA

ENGINE #1 - J1939

Distance	398478.28 mi	Hours	13383.95 hr
Fuel Used	46637.1 gal	Average Fuel Economy	N/A
Engine Idle Hours	4181.50 hr	Engine Idle Fuel Used	4191.9 gal
PTO Hours	82.15 hr	PTO Fuel Used	128.8 gal
DPF Number of Inhibited Active Regen	Not Available	DPF Number of Manual Active Regen	Not Available
DPF Fuel Used	241.5 gal		

TRIP DATA

ENGINE #1 - J1939

Distance	341075.01 mi	Fuel Used	27050.8 gal
Average Fuel Rate	2.29 gal/hr	Idle Time	N/A
Vehicle Idle Fuel Used	3852.7 gal	Cruise	N/A
Cruise Fuel Used	7133.0 gal	DPF Active Regen Time	N/A
DPF Number of Active Regens	N/A	DPF Used	N/A
Vehicle Speed Limit	74 mph	Cruise Control Speed Limit	74 mph