



**VEHICLE FACTORS GROUP CHAIRMAN'S FACTUAL REPORT
ATTACHMENT**

2017 Freightliner Engine Control Module Image

Bryce Canyon City, Utah

HWY19MH012

(147 pages)

Engine Serial Number :74061508
Customer Unit Number :*****
Work Order Name :WO-20190926-140450

INSITE - 8.0.0.402
Company Name :Cummins Inc.
ECM Image Name :I-20190926-141450257
Customer Name :Customer Name**

ECM Image

WorkOrder Information

Work Order Name :	WO-20190926-140450
Customer Name :	Customer Name**
Technician's Note	HVEDR lmade 9/26/19 Asay Engineering??2017 Freightliner Motorcoach??Ramsay Towing, Kanab, UT
Status	Good
Engine Serial Number	74061508
Vehicle ID	3ALACWDT7HDJD9595
Vehicle Make	DAIMLER TRUCKS
Vehicle Unit Number	*****
Vehicle Odometer	Enter Vehicle Mileage

Image Information

Date	26-Sep-2019 02:14:50 PM
File Location	C:\Intellect\INSITE\WorkOrders\I-20190926-141450257
Technician's Note	2017 Freightliner Motorcoach??Ramsay Towing, Kanab, UT??
ECM	CM2350A

Engine Serial Number :74061508
Customer Unit Number :*****
Work Order Name :WO-20190926-140450

INSITE - 8.0.0.402
Company Name :Cummins Inc.
ECM Image Name :I-20190926-141450257
Customer Name :Customer Name**

Status	Good
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Aftertreatment History

Engine Serial Number :74061508
 Customer Unit Number :*****
 Work Order Name :WO-20190926-140450

INSITE - 8.0.0.402
 Company Name :Cummins Inc.
 ECM Image Name :I-20190926-141450257
 Customer Name :Customer Name**

Aftertreatment History

	ECM Time (Key On Time)	Starting Diesel Particulate Filter Soot Load	Ending Diesel Particulate Filter Soot Load	Starting Diesel Oxidation Catalyst Intake Temperature	Maximum Diesel Particulate Filter Intake Temperature	Maximum Diesel Particulate Filter Outlet Temperature	Maximum Diesel Particulate Filter Differential Pressure	
Units				°F	°F	°F	InHg	
1(Newest)	4883:40:20	Normal	Normal	506.1	969.4	988.1	1.6	
2	4864:26:16	Normal	Normal	677.8	1027.6	1095.8	2.2	
3	4846:42:49	Normal	Normal	584.6	964.9	1018.0	1.7	
4	4819:38:31	Normal	Normal	668.3	955.6	973.2	2.0	
5	4807:00:39	Normal	Normal	680.3	1018.7	1065.5	2.2	
6	4784:58:33	Normal	Normal	719.2	1002.9	1046.3	2.1	
7	4759:54:07	Normal	Normal	639.5	1023.2	1124.9	2.3	
8	4745:30:19	Normal	Normal	705.9	1007.0	1087.9	2.3	
9	4727:43:43	Normal	Normal	612.3	999.8	1091.5	2.4	
10(Oldest)	4702:19:35	Normal	Normal	619.9	990.7	1094.0	2.3	

Aftertreatment History

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	Diesel Particulate Filter Soot Load	Diesel Oxidation Catalyst Intake Temperature	Diesel Particulate Filter Intake Temperature	Diesel Particulate Filter Outlet Temperature	Diesel Particulate Filter Differential Pressure			
ECM Time (Key On Time)								
Units		°F	°F	°F	InHg			
<u>Maximum Diesel Particulate Filter Outlet Temperature Condition</u>								
3724:53:32	Normal	626.9	815.7	1157.0	1.9			
<u>Maximum Soot Load Condition</u>								

Aftertreatment Maintenance Log

Engine Serial Number :74061508
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INSITE - 8.0.0.402
 Company Name :Cummins Inc.
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Aftertreatment Maintenance

Parameter	Value	Units
	Not Available	
Occurrence	ECM Time (Key On Time)	Aftertreatment Reset Applied
1(Newest)	0:00:00	All
2	0:00:00	All
3	0:00:00	All
4	0:00:00	All
5	0:00:00	All
6	0:00:00	All
7	0:00:00	All
8	0:00:00	All
9	0:00:00	All
<input type="checkbox"/> 10(Oldest)	0:00:00	All

Anti-Theft Protection

Engine Serial Number :74061508
Customer Unit Number :*****
Work Order Name :WO-20190926-140450

INSITE - 8.0.0.402
Company Name :Cummins Inc.
ECM Image Name :I-20190926-141450257
Customer Name :Customer Name**

Anti-Theft Protection

Password	Value
Passwords	0
Anti-theft Status	Unlocked
Vehicle Anti-theft	Disabled
Vehicle Anti-theft Automatic Mode	Enabled

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Audit Trail

Record Number	Tool Name	Tool ID	User Type	User ID	ECM Time (Key on Time)	ECM Real Time
		Code	Description			
<input type="checkbox"/> ISB6.7 CM2350 B101						
<input type="checkbox"/> CM2350A						
<input type="checkbox"/> 1	INSITE	802001842901	Software	000071462DE5	4245:40:45	Not Applicable
		003	Cruise Control			
		005	Road Speed Governor			
		006	Automatic Transmission			
		007	Vehicle Speed Sensor			
		009	Maximum Vehicle Speed in Top Gear			
		010	Maximum Engine Speed without Vehide Speed Source			
		012	Rear Axle Ratio			
		013	Tire Revolutions per Distance			
		014	Tailshaft Gear Teeth			
		015	Fan Clutch Control			
		017	PTO			
		018	Low Idle Adjustment			
		021	Gear Down Protection			
		026	Tool Resets			
		027	Reset Inactive Fault Codes			
		030	Calibration Download			
		031	Vehicle Anti-Theft Protection			
		037	Customer/Vehicle Information			
		045	Remote Throttle			
		046	Powertrain Protection			
		123	Diesel Exhaust Fluid Tank Non-Linear Tank Type			
		129	Aftertreatment Regeneration Setup			

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Record Number	Tool Name	Tool ID	User Type	User ID	ECM Time (Key on Time)	ECM Real Time
		Code	Description			
<input type="checkbox"/> 2	INSITE	802001842901	Software	000071462DE5	3549:12:19	Not Applicable
		027	Reset Inactive Fault Codes			
<input type="checkbox"/> 3	Unknown	000000000000	Unknown	000000000000	3:49:10	Not Applicable
		119	Reset All Fault Codes			
<input type="checkbox"/> 4	Unknown	000000000000	Unknown	000000000000	2:01:59	Not Applicable
		119	Reset All Fault Codes			
<input type="checkbox"/> 5	Unknown	000000000000	Unknown	000000000000	1:14:54	Not Applicable
		119	Reset All Fault Codes			
<input type="checkbox"/> 6	VEPS	08010200CEC0	Software	000000000000	0:20:30	Not Applicable
		003	Cruise Control			
		007	Vehicle Speed Sensor			
		009	Maximum Vehicle Speed in Top Gear			
		011	Top Transmission Gear Ratio			
		012	Rear Axle Ratio			
		013	Tire Revolutions per Distance			
		015	Fan Clutch Control			
		017	PTO			
		018	Low Idle Adjustment			
		019	Engine Protection			
		035	Starter Lockout			
		129	Aftertreatment Regeneration Setup			
<input type="checkbox"/> 7	Manta	05140000CEC0	Software	000000000000	0:20:27	Not Applicable
		027	Reset Inactive Fault Codes			
<input type="checkbox"/> 8	Manta	05170000CEC0	Software	000000000000	0:10:10	Not Applicable
		030	Calibration Download			

Monitors

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Data Monitors

Parameter	Value	Units
[-] ISB6.7 CM2350 B101		
[-] CM2350A		
[-] Accelerator Pedal Or Lever Position Sensor 2 Signal Voltage	0.50	V
[-] Accelerator Pedal Or Lever Position Sensor 2 Supply Voltage	5.02	V
[-] Accelerator Pedal or Lever Position Sensor Signal Voltage	1.06	V
[-] Accelerator Pedal or Lever Position Sensor Supply Voltage	5.02	V
[-] Active Accelerator Type	Dual Analog	
[-] Aftertreatment Diesel Exhaust Fluid Dosing Unit State	Initializing	
[-] Aftertreatment Diesel Exhaust Fluid Dosing Valve Commanded Position	Closed	
[-] Aftertreatment Diesel Exhaust Fluid Lamp Status	Off	
[-] Aftertreatment Diesel Exhaust Fluid Line Heater 1 Status	Off	
[-] Aftertreatment Diesel Exhaust Fluid Line Heater 2 Status	Off	
[-] Aftertreatment Diesel Exhaust Fluid Line Heater 3 Status	Off	
[-] Aftertreatment Diesel Exhaust Fluid Pressure	-0.3	psi
[-] Aftertreatment Diesel Exhaust Fluid Pressure Sensor Voltage	0.8	V
[-] Aftertreatment Diesel Exhaust Fluid Quality	32.8	Percent
[-] Aftertreatment Diesel Exhaust Fluid Quality Sensor Fluid Temperature	77	°F
[-] Aftertreatment Diesel Exhaust Fluid Reverting Valve Position	Closed	
[-] Aftertreatment Diesel Exhaust Fluid Tank Heating Valve Position Commanded	Closed	
[-] Aftertreatment Diesel Exhaust Fluid Tank Level	50	Percent
[-] Aftertreatment Diesel Exhaust Fluid Tank Temperature	77	°F
[-] Aftertreatment Diesel Exhaust Fluid Tank Temperature Sensor Voltage	0.00	V
[-] Aftertreatment Diesel Exhaust Fluid Used	381.5	gal
[-] Aftertreatment Diesel Oxidation Catalyst Intake Temperature	75.7	°F
[-] Aftertreatment Diesel Particulate Filter Differential Pressure	-0.08	InHg
[-] Aftertreatment Diesel Particulate Filter Differential Pressure Sensor Signal Voltage	0.63	V

Monitors

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 Company Name :Cummins Inc.
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Parameter	Value	Units
Aftertreatment Diesel Particulate Filter Intake Temperature	75.9	°F
Aftertreatment Diesel Particulate Filter Lamp Status	Off	
Aftertreatment Diesel Particulate Filter Operating State	Inactive	
Aftertreatment Diesel Particulate Filter Outlet Pressure	-0.03	InHg
Aftertreatment Diesel Particulate Filter Outlet Pressure Sensor Signal Voltage	0.69	V
Aftertreatment Diesel Particulate Filter Outlet Temperature	75.7	°F
Aftertreatment Diesel Particulate Filter Regeneration Permit Switch Status	Off	
Aftertreatment Diesel Particulate Filter Regeneration Start Switch Status	Off	
Aftertreatment Diesel Particulate Filter Soot Load	Normal	
Aftertreatment High Exhaust System Temperature Lamp Status	Off	
Aftertreatment Intake NOx	0	ppm
Aftertreatment Intake NOx Corrected	0	ppm
Aftertreatment Intake NOx Reading Stable	Reading Not Available	
Aftertreatment Outlet NOx	0	ppm
Aftertreatment Outlet NOx Corrected	0	ppm
Aftertreatment Outlet NOx Reading Stable	Reading Not Available	
Aftertreatment SCR Intake Temperature	76	°F
Aftertreatment SCR Intake Temperature Signal Voltage	0.0	V
Aftertreatment SCR Outlet Temperature	76	°F
Aftertreatment SCR Outlet Temperature Signal Voltage	0.0	V
Air Conditioning Pressure Switch	Off	
Amber Warning Lamp Status	Off	
Anti Theft Status	Unlocked	
Barometric Air Pressure	24.8	InHg
Barometric Air Pressure Sensor Signal Voltage	2.88	V
Battery Voltage	12.0	V
Brake Pedal Position Switch	Released	
Calibration Software Phase	15464709	
Crankcase Pressure	0.0	inH2O
Crankcase Pressure Sensor Signal Voltage	1.56	V

Monitors

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 Company Name :Cummins Inc.
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Parameter	Value	Units
— Cruise Control	Off	
— Cruise Control Accelerate Switch	Off	
— Cruise Control Coast Switch	Off	
— Cruise Control On/Off Switch	Off	
— Cruise Control Set / Resume Switch	Neutral	
— Diagnostic Test Mode Switch	Off	
— Diesel Exhaust Fluid Line Heater 1 State	Off	
— Diesel Exhaust Fluid Line Heater 2 State	Off	
— Diesel Exhaust Fluid Line Heater 3 State	Off	
— Diesel Exhaust Fluid Line Heater 4 State	Undefined	
— Diesel Exhaust Fluid Tank Heater State	Off	
— Diesel Particulate Filter Soot Load	0 lbs	
— ECM Distance	172981.5 mi	
— ECM Key Off Time	130 sec	
— ECM Real Time	Not Set	HH:MM:SS
— ECM Time (Key On Time)	4894:31:59	HH:MM:SS
— EGR Cooler Efficiency	100	Percent
— EGR Differential Pressure	0.0	InHg
— EGR Differential Pressure Sensor Signal Voltage	1.00	V
— EGR Temperature	75.5	°F
— EGR Temperature Sensor Signal Voltage	4.94	V
— EGR Valve Position Commanded	0	Percent
— EGR Valve Position Measured (Percent Open)	0	Percent
— EGR Valve Position Sensor Signal Voltage	0.00	V
— Engine Brake Output Circuit 1	Inactive	
— Engine Brake Output Circuit 2	Inactive	
— Engine Brake Output Circuit 3	Inactive	
— Engine Brake Output Circuit 4	Inactive	
— Engine Brake Selector Switch 1	Off	
— Engine Brake Switch Level	100	Percent

Monitors

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Parameter	Value	Units
Engine Coolant Level	Normal	
Engine Coolant Temperature	76.6	°F
Engine Coolant Temperature Sensor Signal Voltage	3.19	V
Engine Distance	172946.4	mi
Engine Hours	4612:14:01	HH:MM:SS
Engine Oil Pressure Sensor Signal Voltage	0.00	V
Engine Oil Pressure Sensor Type	Switch	
Engine Oil Pressure Switch	Low	
Engine Operating State	Engine Stop	
Engine Protection Derate Suppress	Disable	
Engine Protection Shutdown Override Switch	Off	
Engine Speed	0	RPM
Engine Speed Backup Sensor State	High Input Voltage	
Engine Speed Backup Synchronization State	No Pulse	
Engine Speed Main Sensor State	High Input Voltage	
Engine Speed Main Synchronization State	No Pulse	
Engine Speed Sensor Active	Main	
Engine Speed Status	Stopped	
Engine Torque Mode	other	
Exhaust Gas Pressure	25.88	InHg
Exhaust Gas Pressure Sensor Signal Voltage	0.75	V
Exhaust Volumetric Flowrate	0.04	ft ³ /s
Fan Control 2 Multiplexed Request Level	0.0	Percent
Fan Control Command	100	Percent
Fan Control Multiplexed Request Level	0	Percent
Fan Drive State	Off	
Fast Idle Warmup Status	Inactive	
Fuel Flow Rate Commanded	0.00	gph
Fuel Level	50	Percent
Fuel Level Sensor Voltage	0.0	V

Monitors

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Parameter	Value	Units
Fuel Pump Actuator Commanded Current	0.00	A
Fuel Pump Actuator Duty Cycle	5	Percent
Fuel Pump Actuator Measured Current	0.00	A
Fuel Pump Actuator Position	Open	
Fuel Rail Pressure Commanded	12018	psi
Fuel Rail Pressure Measured	11	psi
Fuel Rail Pressure Rationality Sensor	-598	psi
Fuel Rail Pressure Rationality Sensor Voltage	4.58	V
Fuel Rail Pressure Sensor Signal Voltage	0.50	V
Fuel Tank Level Sensor 2 Level	0	Percent
Instantaneous Fuel Economy	0.0	mpg
Intake Air Heater 1	Off	
Intake Air Heater 2	Off	
Intake Air Throttle Position	100	Percent
Intake Air Throttle Position Commanded	100	Percent
Intake Air Throttle Sensor Signal Voltage	0.5	V
Intake Manifold Air Temperature	77.9	°F
Intake Manifold Air Temperature Sensor Signal Voltage	1.25	V
Intake Manifold Pressure	0.0	InHg
Intake Manifold Pressure Sensor Signal Voltage	1.00	V
J1939 Engine Source Address	0	
J1939 Stop Broadcast Source Address One	0	
J1939 Stop Broadcast Source Address Three	0	
J1939 Stop Broadcast Source Address Two	0	
Keyswitch	On	
Keyswitch Off Counts	447	
Keyswitch On Counts	448	
Malfunction Indicator Lamp Status	On	
Multiplexed Accelerator Error Limp Home Switch State	Accelerator Pressed	
OEM Ambient Air Temperature	302	°F

Monitors

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Parameter	Value	Units
— OEM Ambient Air Temperature Sensor Signal Voltage	4.94	V
— Parking Brake Switch State	On	
— Percent Accelerator Pedal or Lever	0	Percent
— Percent Load	0	Percent
— Powertrain Protection Torque Limit	560	ft*b
— PTO Additional Switch	Off	
— PTO Decrement Switch	Off	
— PTO Increment Switch	Off	
— PTO On/Off Switch	Off	
— PTO Status	Inactive	
— Red Stop Lamp Status	Off	
— Sensor Supply 1	5.00	V
— Sensor Supply 2	5.00	V
— Sensor Supply 3	5.00	V
— Sensor Supply 4	5.00	V
— Sensor Supply 5	5.00	V
— Sensor Supply 6	5.00	V
— Total Diesel Exhaust Fluid Used	381.5	gal
— Transmission Gear Ratio	16.00	
— Transmission Status	Out of Gear	
— Turbocharger Actuator Position Commanded (Percent Closed)	85	Percent
— Turbocharger Actuator Position Measured (Percent Closed)	85	Percent
— Turbocharger Actuator Position Sensor Signal Voltage	0.00	V
— Turbocharger Actuator Type	Electric	
— Turbocharger Compressor Intake Air Temperature	80.7	°F
— Turbocharger Compressor Intake Air Temperature Sensor Signal Voltage	1.25	V
— Turbocharger Compressor Outlet Air Temperature (Calculated)	111.2	°F
— Turbocharger Speed	0	RPM
— Vehicle Speed	0	mph
— Wait To Start Lamp Status	Off	

Monitors

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Company Name :Cummins Inc.
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Parameter	Value	Units
Water In Fuel Detected Total Accumulated Time	0:00:00	HH:MM:SS
Water in Fuel Sensor Signal Voltage	4.1	V
Water In Fuel State	No Water Detected	

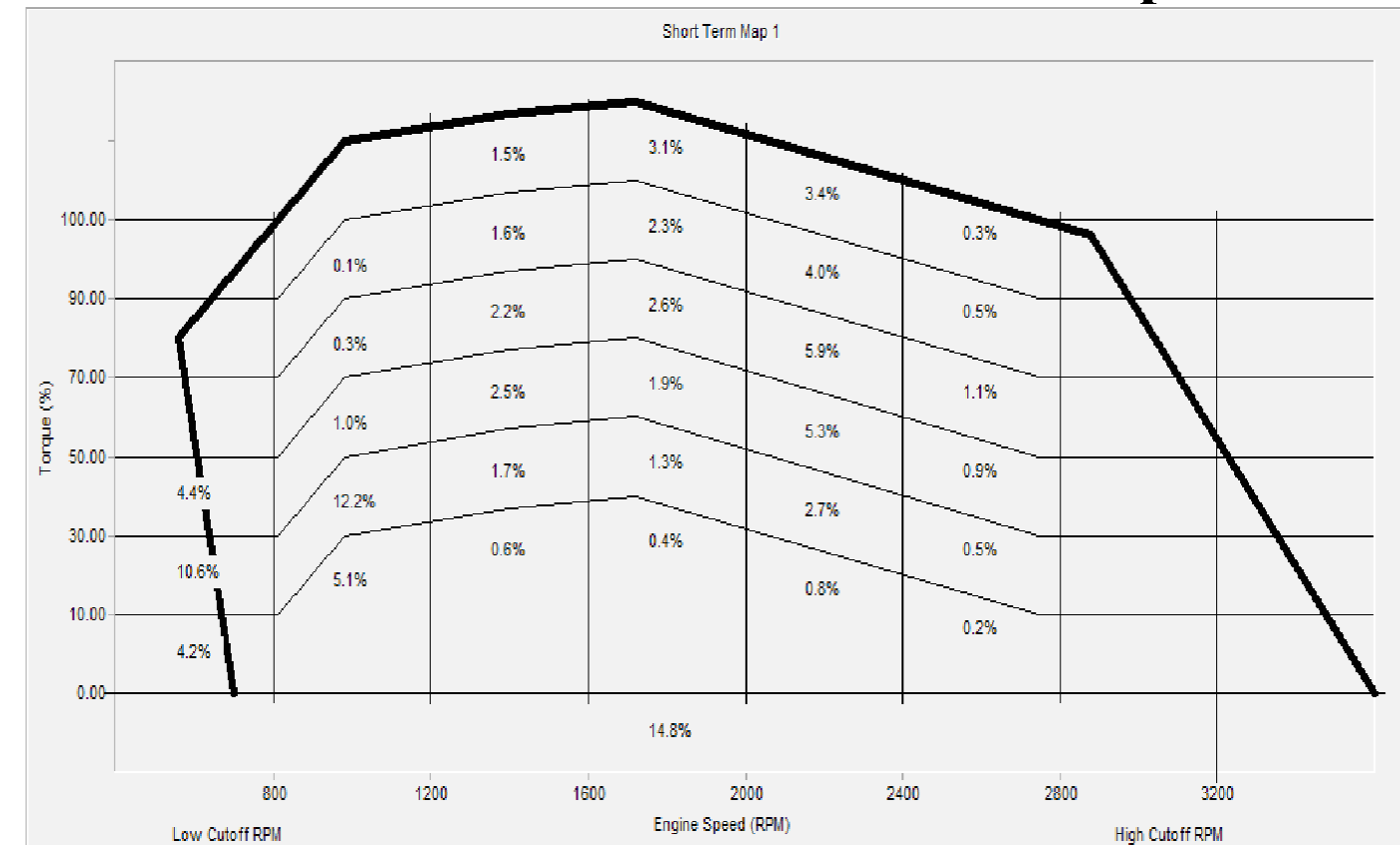
Duty Cycle Monitor

Engine Serial Number :74061508
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Duty Cycle Monitor

Short Term Map 1



Duty Cycle Monitor

Engine Serial Number :74061508
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 Work Order Name :WO-20190926-140450

INSITE - 8.0.0.402
 Company Name :Cummins Inc.
 ECM Image Name :I-20190926-141450257
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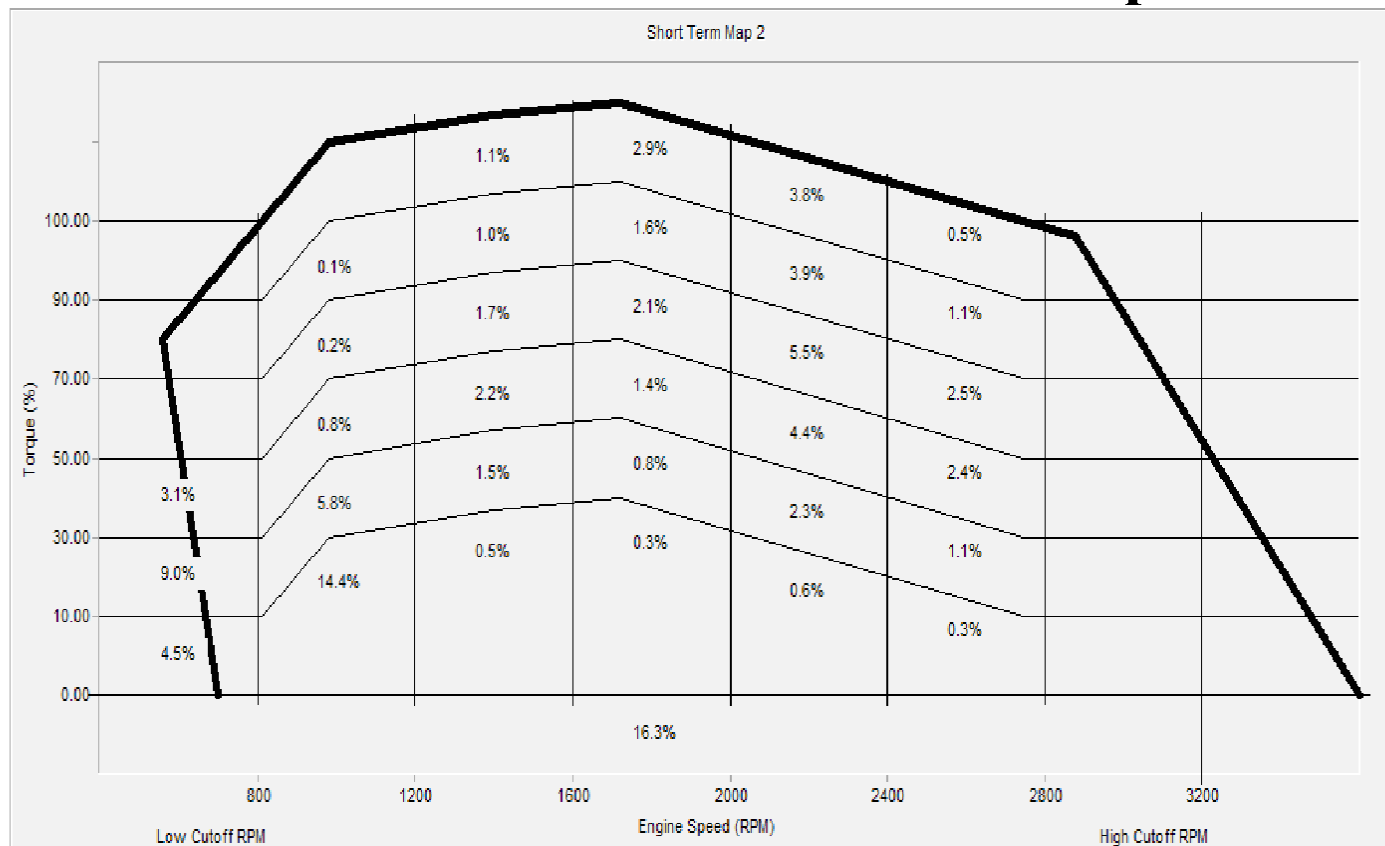
Parameter	Value	Unit
Map 1 Start Time	3985:38:11	HH:MM:SS
Map 1 Total Time	500:00:00	HH:MM:SS
Map 1 Hours Remaining	0:00:00	HH:MM:SS
Advertised Power RPM	2600	RPM
Advertised Power at RPM	300	hp
Peak Torque RPM	1600	RPM
Peak Torque at RPM	660	ft*lb

Duty Cycle Monitor

Engine Serial Number :74061508
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INSITE - 8.0.0.402
 Company Name :Cummins Inc.
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Short Term Map 2



Duty Cycle Monitor

Engine Serial Number :74061508
 Customer Unit Number :*****
 Work Order Name :WO-20190926-140450

INSITE - 8.0.0.402
 Company Name :Cummins Inc.
 ECM Image Name :I-20190926-141450257
 Customer Name :Customer Name**

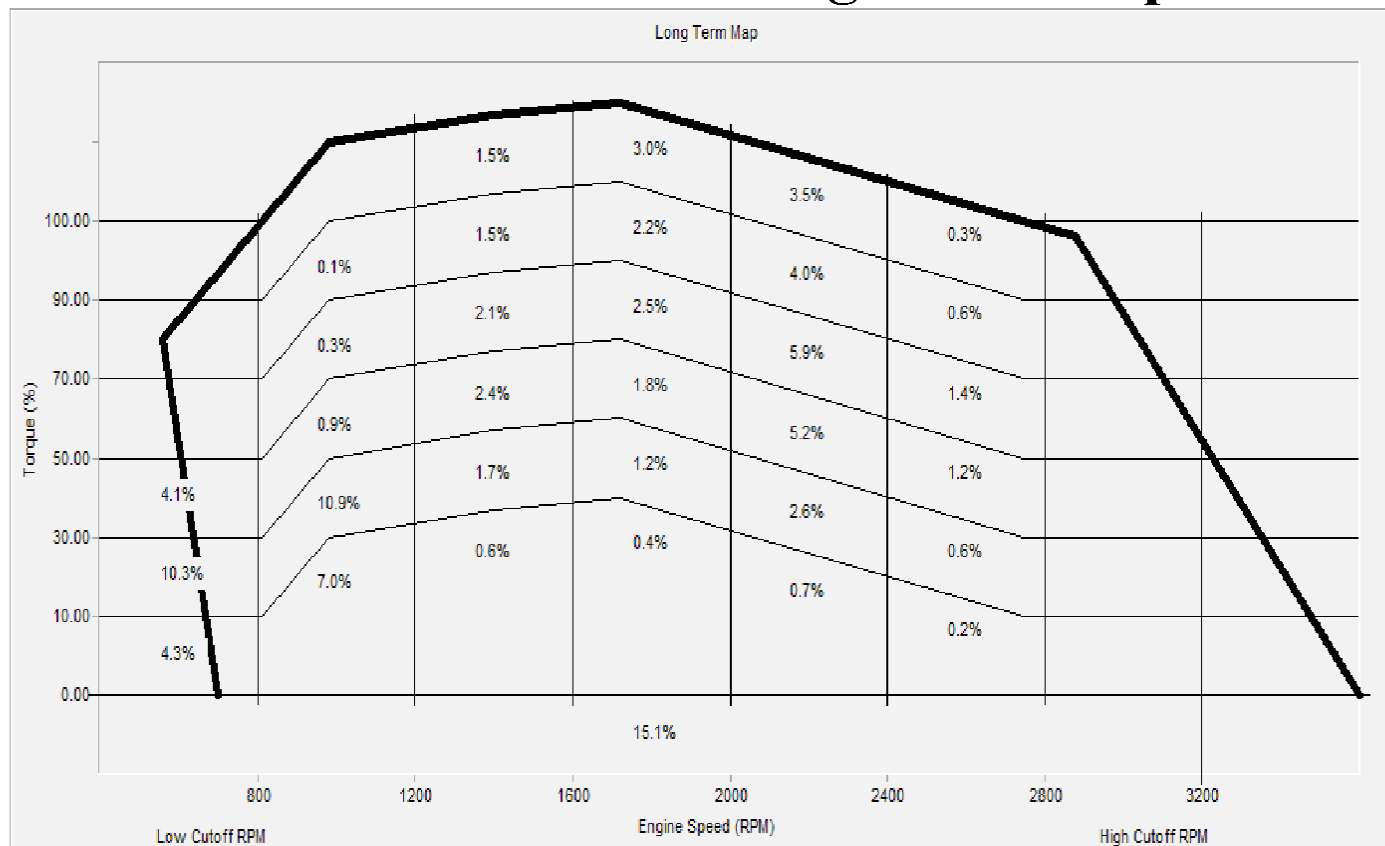
Parameter	Value	Unit
Map 2 Start Time	4485:43:41	HH:MM:SS
Map 2 Total Time	126:28:55	HH:MM:SS
Map 2 Hours Remaining	373:31:05	HH:MM:SS
Advertised Power RPM	2600	RPM
Advertised Power at RPM	300	hp
Peak Torque RPM	1600	RPM
Peak Torque at RPM	660	ft*lb

Duty Cycle Monitor

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Long Term Map



Duty Cycle Monitor

Engine Serial Number :74061508
 Customer Unit Number :*****
 Work Order Name :WO-20190926-140450

INSITE - 8.0.0.402
 Company Name :Cummins Inc.
 ECM Image Name :I-20190926-141450257
 Customer Name :Customer Name**

Parameter	Value	Unit
Long Term Map Start Time	3985:38:11	HH:MM:SS
Long Term Map Total Time	626:28:55	HH:MM:SS
Advertised Power RPM	2600	RPM
Advertised Power at RPM	300	hp
Peak Torque RPM	1600	RPM
Peak Torque at RPM	660	ft*lb

Engine Abuse History

Engine Serial Number : 74061508
 Customer Unit Number : *****
 Work Order Name : WO-20190926-140450

INSITE - 8.0.0.402
 Company Name : Cummins Inc.
 ECM Image Name : I-20190926-141450257
 Customer Name : Customer Name**

Engine Abuse History

Parameter	Severity 1	Severity 2	Severity 3	Severity Total	Unit
Engine Oil Pressure	00:00:25			00:00:25	HH:MM:SS
Engine Oil Pressure	Low			Low	
Engine Speed	00:25:10	00:02:27	00:00:02	00:27:39	HH:MM:SS
Engine Speed	2700 - 2900	2900 - 3100	> 3100	> 2700	RPM
Engine Coolant Temperature	3183:41:42	1121:43:51	00:41:27	4306:07:00	HH:MM:SS
Engine Coolant Temperature	180 - 200	200 - 220	> 220	> 180	°F
Intake Manifold Air Temperature	00:00:00	00:00:00	00:00:00	00:00:00	HH:MM:SS
Intake Manifold Air Temperature	210 - 230	230 - 250	> 250	> 210	°F
Engine Coolant Level	00:00:00			00:00:00	HH:MM:SS
Engine Coolant Level	Low			Low	
Crankcase Pressure	00:00:00	00:00:00	00:00:00	00:00:00	HH:MM:SS
Crankcase Pressure	100 - 15	15 - 20	> 20	> 100	inH2O
Parameter	Value	Unit			
Engine Hours	4612:14:01	HH:MM:SS			

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Engine Protection

Description	Fault Code	Occurrence	Value	Duration	ECM Time (Key On Time)	ECM Real Time
No data available						

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Engine Protection Setting

Engine Protection Derate Suppress				Disable				
Channel	Torque Derate	Fault Code	Derate Type	Threshold		Delay Before Derate	Time Based Torque Shutdown	Time Before Lamp Flashes Because Of Torque Shutdown
Engine Coolant Temperature	Enable	2963	Severity	225.0 °F		5 sec	Undefined	Undefined
Engine Oil Pressure	Enable	0143	Time	rpm	Oil Pressure	5 sec	Enable	10 sec
				300	-0.7 psi			
				690	0.0 psi			
				700	8.0 psi			
				1200	8.0 psi			
				1600	8.0 psi			
				2500	8.0 psi			

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Intake Manifold Air Temperature	Enable	2964	Severity	250.0 °F	5 sec	Undefined	Undefined
EGR Temperature	Enable	2961	Severity	410.0 °F	5 sec	Undefined	Undefined
Crankcase Pressure	Enable	0555	Time	20 inH2O	30 sec	Undefined	Undefined

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INSITE - 8.0.0.402
 Company Name :Cummins Inc.
 ECM Image Name :I-20190926-141450257
 Customer Name :Customer Name**

Engine Protection Derate Suppress				Disable				
Channel	RPM Derate	Fault Code	Derate Type	Threshold		Delay Before Derate	Time Based RPM Shutdown	Time Before Lamp Flashes Because Of RPM Shutdown
Engine Coolant Temperature	Enable	0151	Time	235.0 °F		5 sec	Disable	Undefined
Engine Oil Pressure	Enable	0415	Time	rpm	Oil Pressure	5 sec	Enable	10 sec
				300	-0.7 psi			
				690	0.0 psi			
				700	8.0 psi			
				1200	8.0 psi			
				1600	8.0 psi			
				2500	8.0 psi			
Intake Manifold Air Temperature	Enable	0488	Time	270.0 °F		5 sec	Disable	Undefined
Engine Overspeed	Enable	0234	Time	3600 RPM		0 sec	Disable	Undefined

Engine Serial Number :74061508
Customer Unit Number :*****
Work Order Name :WO-20190926-140450

INSITE - 8.0.0.402
Company Name :Cummins Inc.
ECM Image Name :I-20190926-141450257
Customer Name :Customer Name**

EGR Temperature	Enable	2962	Time	474.8 °F	5 sec	Disable	Undefined
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Engine Serial Number :74061508
 Customer Unit Number :*****
 Work Order Name :WO-20190926-140450

INSITE - 8.0.0.402
 Company Name :Cummins Inc.
 ECM Image Name :I-20190926-141450257
 Customer Name :Customer Name**

Engine Protection Derate Suppress			Disable
Channel	Severity Based Shutdown	Threshold	Time for Flashing Lamp
Engine Coolant Temperature	Enable	235.0 °F	30 sec
Intake Manifold Air Temperature	Enable	275.0 °F	30 sec
EGR Temperature	Enable	474.8 °F	30 sec

Engine Serial Number :74061508
 Customer Unit Number :*****
 Work Order Name :WO-20190926-140450




INSITE - 8.0.0.402
 Company Name :Cummins Inc.
 ECM Image Name :I-20190926-141450257
 Customer Name :Customer Name**

Fault Codes

Fault Code	Status	Count	Lamp	Description	PID	SID	J1587 FMI	J1939 FMI	SPN
	Fault Parameters	First	Last	Units					
<input type="checkbox"/> CM2350A	ECM Time (Key On Time)	4894:31:59		HH:MM:SS					
	Engine Hours	4612233:36:40		HH:MM:SS					
	Keyoffs	447							
<input checked="" type="checkbox"/> 0249	Active	1	Amber	Ambient Air Temperature Sensor 1 Circuit - Voltage above normal, or shorted to high source	171		3	3	171
<input checked="" type="checkbox"/> 3867	Inactive	1	Amber	Aftertreatment Diesel Exhaust Fluid Quality - Data Valid But Below Normal Operating Range - Moderately Severe Level			1	18	3364
<input checked="" type="checkbox"/> 4769	Inactive	2	Amber	Aftertreatment 1 Diesel Exhaust Fluid Tank Level Sensor - Abnormal Rate of Change		233	10	10	1761
<input checked="" type="checkbox"/> 3714	Inactive	2	Amber	Engine Protection Torque Derate - Condition Exists			11	31	1569
<input checked="" type="checkbox"/> 6339	Inactive	1	None	Unknown					

Engine Serial Number :74061508
 Customer Unit Number :*****
 Work Order Name :WO-20190926-140450


INSITE - 8.0.0.402
 Company Name :Cummins Inc.
 ECM Image Name :I-20190926-141450257
 Customer Name :Customer Name**

Fault Code	Status	Count	Lamp	Description	PID	SID	J1587 FMI	J1939 FMI	SPN
	Fault Parameters	First	Last	Units					
  0285	Inactive	2	Amber	SAE J1939 Multiplexing PGN Timeout Error - Abnormal update rate		231	9	9	639
 5655	Inactive	2	None	Unknown					

Engine Serial Number :74061508
 Customer Unit Number :*****
 Work Order Name :WO-20190926-140450

INSITE - 8.0.0.402
 Company Name :Cummins Inc.
 ECM Image Name :I-20190926-141450257
 Customer Name :Customer Name**

Fault Snapshot

Fault Code	Status	Count	Lamp	Description	PID	SID	J1587 FMI	J1939 FMI	SPN
	Fault Parameters	First	Last	Units					
<input type="checkbox"/> CM2350A	ECM Time (Key On Time)	4894:31:59		HH:MM:SS					
	Engine Hours	4612233:36:40		HH:MM:SS					
	Keyoffs	447							
<input checked="" type="checkbox"/>  0249	Active	1	Amber	Ambient Air Temperature Sensor 1 Circuit - Voltage above normal, or shorted to high source	171		3	3	171
	ECM Time (Key On Time)	4893:43:44	4893:43:44	HH:MM:SS					
	Aftertreatment Diesel Exhaust Fluid Dosing Unit State	Initializing	Initializing						
	Aftertreatment Diesel Exhaust Fluid Dosing Valve Commanded Position	Closed	Closed						
	Aftertreatment Diesel Exhaust Fluid Pressure	-0.2	-0.2	psi					

Engine Serial Number :74061508
 Customer Unit Number :*****
 Work Order Name :WO-20190926-140450

INSITE - 8.0.0.402
 Company Name :Cummins Inc.
 ECM Image Name :I-20190926-141450257
 Customer Name :Customer Name**

Fault Code	Status	Count	Lamp	Description	PID	SID	J1587 FMI	J1939 FMI	SPN
	Fault Parameters	First	Last	Units					
	Aftertreatment Diesel Exhaust Fluid Tank Heating Valve Position Commanded	Closed	Closed						
	Aftertreatment Diesel Exhaust Fluid Tank Level	49	49	Percent					
	Aftertreatment Diesel Exhaust Fluid Tank Temperature	61	61	°F					
	Aftertreatment Diesel Oxidation Catalyst Intake Temperature	75.0	75.0	°F					
	Aftertreatment Diesel Particulate Filter Differential Pressure	-0.04	-0.04	InHg					
	Aftertreatment Diesel Particulate Filter Intake Temperature	68.9	68.9	°F					
	Aftertreatment Diesel Particulate Filter Operating State	Inactive	Inactive						
	Aftertreatment Diesel Particulate Filter Outlet Pressure	0.05	0.05	InHg					

Engine Serial Number :74061508
 Customer Unit Number :*****
 Work Order Name :WO-20190926-140450

INSITE - 8.0.0.402
 Company Name :Cummins Inc.
 ECM Image Name :I-20190926-141450257
 Customer Name :Customer Name**

Fault Code	Status	Count	Lamp	Description	PID	SID	J1587 FMI	J1939 FMI	SPN
	Fault Parameters	First	Last	Units					
	Aftertreatment Diesel Particulate Filter Outlet Temperature	66.7	66.7	°F					
	Aftertreatment Diesel Particulate Filter Regeneration Permit Switch Status	Off	Off						
	Aftertreatment Intake NOx Corrected	0	0	ppm					
	Aftertreatment Outlet NOx Corrected	0	0	ppm					
	Aftertreatment SCR Intake Temperature	90	90	°F					
	Aftertreatment SCR Outlet Temperature	78	78	°F					
	Barometric Air Pressure	24.8	24.8	InHg					
	Battery Voltage	12.3	12.3	V					
	Brake Pedal Position Switch	Released	Released						
	Clutch Pedal Position Switch	Released	Released						

Engine Serial Number :74061508
 Customer Unit Number :*****
 Work Order Name :WO-20190926-140450

INSITE - 8.0.0.402
 Company Name :Cummins Inc.
 ECM Image Name :I-20190926-141450257
 Customer Name :Customer Name**

Fault Code	Status	Count	Lamp	Description	PID	SID	J1587 FMI	J1939 FMI	SPN
	Fault Parameters	First	Last	Units					
	Crankcase Pressure	2.0	2.0	inH2O					
	Cruise Control On/Off Switch	Off	Off						
	EGR Differential Pressure	0.0	0.0	InHg					
	EGR Temperature	58.0	58.0	°F					
	EGR Valve Position Commanded	0	0	Percent					
	EGR Valve Position Measured (Percent Open)	0	0	Percent					
	Engine Coolant Level	Normal	Normal						
	Engine Coolant Temperature	62.8	62.8	°F					
	Engine Hours	4612:08:35	4612:08:35	HH:MM:SS					
	Engine Oil Pressure	43.7	43.7	psi					
	Engine Operating State	Low Speed Governor State	Low Speed Governor State						
	Engine Speed	750	750	RPM					

Engine Serial Number :74061508
 Customer Unit Number :*****
 Work Order Name :WO-20190926-140450

INSITE - 8.0.0.402
 Company Name :Cummins Inc.
 ECM Image Name :I-20190926-141450257
 Customer Name :Customer Name**

Fault Code	Status	Count	Lamp	Description	PID	SID	J1587 FMI	J1939 FMI	SPN
	Fault Parameters	First	Last	Units					
	Engine Speed Backup Synchronization State	Have Synchronization	Have Synchronization						
	Engine Speed Main Synchronization State	Have Synchronization	Have Synchronization						
	Engine Torque Mode	Low Idle Governor	Low Idle Governor						
	Exhaust Gas Pressure	37.72	37.72	InHg					
	Exhaust Gas Temperature (Calculated)	454	454	°F					
	Exhaust Volumetric Flowrate	0.90	0.90	ft3/s					
	Fan Drive State	Off	Off						
	Fuel Rail Pressure Commanded	8609	8609	psi					
	Fuel Rail Pressure Measured	8528	8528	psi					
	Intake Air Throttle Position	90	90	Percent					

Engine Serial Number :74061508
 Customer Unit Number :*****
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INSITE - 8.0.0.402
 Company Name :Cummins Inc.
 ECM Image Name :I-20190926-141450257
 Customer Name :Customer Name**

Fault Code	Status	Count	Lamp	Description	PID	SID	J1587 FMI	J1939 FMI	SPN
	Fault Parameters	First	Last	Units					
	Intake Air Throttle Position Commanded	90	90	Percent					
	Intake Manifold Air Temperature	64.5	64.5	°F					
	Intake Manifold Pressure	0.1	0.1	InHg					
	OEM Ambient Air Temperature	-76	-76	°F					
	Percent Accelerator Pedal or Lever	0	0	Percent					
	Percent Load	19	19	Percent					
	PTO On/Off Switch	Off	Off						
	Remote Accelerator Pedal or Lever Switch	Off	Off						
	Remote PTO Switch	Off	Off						
	Transmission Gear Ratio	16.00	16.00						
	Turbocharger Actuator Position Commanded (Percent Closed)	94	94	Percent					

Engine Serial Number :74061508
 Customer Unit Number :*****
 Work Order Name :WO-20190926-140450

INSITE - 8.0.0.402
 Company Name :Cummins Inc.
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 Customer Name :Customer Name**

Fault Code	Status	Count	Lamp	Description	PID	SID	J1587 FMI	J1939 FMI	SPN
	Fault Parameters	First	Last	Units					
	Turbocharger Actuator Position Measured (Percent Closed)	94	94	Percent					
	Turbocharger Compressor Intake Air Temperature	59.3	59.3	°F					
	Turbocharger Compressor Outlet Air Temperature (Calculated)	69.8	69.8	°F					
	Turbocharger Speed	13195	13195	RPM					
	Vehicle Speed	0	0	mph					
	Water In Fuel State	No Water Detected	No Water Detected						
3867	Inactive	1	Amber	Aftertreatment Diesel Exhaust Fluid Quality - Data Valid But Below Normal Operating Range - Moderately Severe Level			1	18	3364
	ECM Time (Key On Time)	4409:39:36	4409:39:36	HH:MM:SS					
	Aftertreatment Diesel Exhaust Fluid Dosing Unit State	Dosing	Dosing						

Engine Serial Number :74061508
 Customer Unit Number :*****
 Work Order Name :WO-20190926-140450

INSITE - 8.0.0.402
 Company Name :Cummins Inc.
 ECM Image Name :I-20190926-141450257
 Customer Name :Customer Name**

Fault Code	Status	Count	Lamp	Description	PID	SID	J1587 FMI	J1939 FMI	SPN
	Fault Parameters	First	Last	Units					
	Aftertreatment Diesel Exhaust Fluid Dosing Valve Commanded Position	Closed	Closed						
	Aftertreatment Diesel Exhaust Fluid Pressure	131.4	131.4	psi					
	Aftertreatment Diesel Exhaust Fluid Tank Heating Valve Position Commanded	Closed	Closed						
	Aftertreatment Diesel Exhaust Fluid Tank Level	62	62	Percent					
	Aftertreatment Diesel Exhaust Fluid Tank Temperature	111	111	°F					
	Aftertreatment Diesel Oxidation Catalyst Intake Temperature	516.3	516.3	°F					
	Aftertreatment Diesel Particulate Filter Differential Pressure	0.06	0.06	InHg					
	Aftertreatment Diesel Particulate Filter Intake Temperature	473.3	473.3	°F					

Engine Serial Number :74061508
 Customer Unit Number :*****
 Work Order Name :WO-20190926-140450

INSITE - 8.0.0.402
 Company Name :Cummins Inc.
 ECM Image Name :I-20190926-141450257
 Customer Name :Customer Name**

Fault Code	Status	Count	Lamp	Description	PID	SID	J1587 FMI	J1939 FMI	SPN
	Fault Parameters	First	Last	Units					
	Aftertreatment Diesel Particulate Filter Operating State	SCR Moderate Mode	SCR Moderate Mode						
	Aftertreatment Diesel Particulate Filter Outlet Pressure	0.23	0.23	InHg					
	Aftertreatment Diesel Particulate Filter Outlet Temperature	553.4	553.4	°F					
	Aftertreatment Diesel Particulate Filter Regeneration Permit Switch Status	Off	Off						
	Aftertreatment Intake NOx Corrected	545	545	ppm					
	Aftertreatment Outlet NOx Corrected	5	5	ppm					
	Aftertreatment SCR Intake Temperature	482	482	°F					
	Aftertreatment SCR Outlet Temperature	445	445	°F					
	Barometric Air Pressure	27.6	27.6	InHg					

Engine Serial Number :74061508
 Customer Unit Number :*****
 Work Order Name :WO-20190926-140450

INSITE - 8.0.0.402
 Company Name :Cummins Inc.
 ECM Image Name :I-20190926-141450257
 Customer Name :Customer Name**

Fault Code	Status	Count	Lamp	Description	PID	SID	J1587 FMI	J1939 FMI	SPN
	Fault Parameters	First	Last	Units					
	Battery Voltage	14.1	14.1	V					
	Brake Pedal Position Switch	Depressed	Depressed						
	Clutch Pedal Position Switch	Released	Released						
	Crankcase Pressure	2.7	2.7	inH2O					
	Cruise Control On/Off Switch	On	On						
	EGR Differential Pressure	0.0	0.0	InHg					
	EGR Temperature	193.6	193.6	°F					
	EGR Valve Position Commanded	0	0	Percent					
	EGR Valve Position Measured (Percent Open)	0	0	Percent					
	Engine Coolant Level	Normal	Normal						
	Engine Coolant Temperature	204.8	204.8	°F					
	Engine Hours	4142:40:06	4142:40:06	HH:MM:SS					

Engine Serial Number :74061508
 Customer Unit Number :*****
 Work Order Name :WO-20190926-140450

INSITE - 8.0.0.402
 Company Name :Cummins Inc.
 ECM Image Name :I-20190926-141450257
 Customer Name :Customer Name**

Fault Code	Status	Count	Lamp	Description	PID	SID	J1587 FMI	J1939 FMI	SPN
	Fault Parameters	First	Last	Units					
	Engine Oil Pressure	16.0	16.0	psi					
	Engine Operating State	Low Speed Governor State	Low Speed Governor State						
	Engine Speed	746	746	RPM					
	Engine Speed Backup Synchronization State	Have Synchronization	Have Synchronization						
	Engine Speed Main Synchronization State	Have Synchronization	Have Synchronization						
	Engine Torque Mode	Low Idle Governor	Low Idle Governor						
	Exhaust Gas Pressure	69.85	69.85	InHg					
	Exhaust Gas Temperature (Calculated)	642	642	°F					
	Exhaust Volumetric Flowrate	2.26	2.26	ft3/s					
	Fan Drive State	Air Conditioning Pressure Switch	Air Conditioning Pressure Switch						

Engine Serial Number :74061508
 Customer Unit Number :*****
 Work Order Name :WO-20190926-140450

INSITE - 8.0.0.402
 Company Name :Cummins Inc.
 ECM Image Name :I-20190926-141450257
 Customer Name :Customer Name**

Fault Code	Status	Count	Lamp	Description	PID	SID	J1587 FMI	J1939 FMI	SPN
	Fault Parameters	First	Last	Units					
	Fuel Rail Pressure Commanded	10451	10451	psi					
	Fuel Rail Pressure Measured	10439	10439	psi					
	Intake Air Throttle Position	90	90	Percent					
	Intake Air Throttle Position Commanded	90	90	Percent					
	Intake Manifold Air Temperature	151.9	151.9	°F					
	Intake Manifold Pressure	2.1	2.1	InHg					
	OEM Ambient Air Temperature	94	94	°F					
	Percent Accelerator Pedal or Lever	0	0	Percent					
	Percent Load	36	36	Percent					
	PTO On/Off Switch	On	On						
	Remote Accelerator Pedal or Lever Switch	Off	Off						
	Remote PTO Switch	Off	Off						

Engine Serial Number :74061508
 Customer Unit Number :*****
 Work Order Name :WO-20190926-140450

INSITE - 8.0.0.402
 Company Name :Cummins Inc.
 ECM Image Name :I-20190926-141450257
 Customer Name :Customer Name**

Fault Code	Status	Count	Lamp	Description	PID	SID	J1587 FMI	J1939 FMI	SPN
	Fault Parameters	First	Last	Units					
	Transmission Gear Ratio	16.00	16.00						
	Turbocharger Actuator Position Commanded (Percent Closed)	96	96	Percent					
	Turbocharger Actuator Position Measured (Percent Closed)	97	97	Percent					
	Turbocharger Compressor Intake Air Temperature	115.9	115.9	°F					
	Turbocharger Compressor Outlet Air Temperature (Calculated)	158.0	158.0	°F					
	Turbocharger Speed	26508	26508	RPM					
	Vehicle Speed	0	0	mph					
	Water In Fuel State	No Water Detected	No Water Detected						
4769	Inactive	2	Amber	Aftertreatment 1 Diesel Exhaust Fluid Tank Level Sensor - Abnormal Rate of Change		233	10	10	1761
	ECM Time (Key On Time)	4577:09:26	4738:24:27	HH:MM:SS					

Engine Serial Number :74061508
 Customer Unit Number :*****
 Work Order Name :WO-20190926-140450

INSITE - 8.0.0.402
 Company Name :Cummins Inc.
 ECM Image Name :I-20190926-141450257
 Customer Name :Customer Name**

Fault Code	Status	Count	Lamp	Description	PID	SID	J1587 FMI	J1939 FMI	SPN
	Fault Parameters	First	Last	Units					
	Aftertreatment Diesel Exhaust Fluid Dosing Unit State	Dosing	Dosing						
	Aftertreatment Diesel Exhaust Fluid Dosing Valve Commanded Position	Closed	Closed						
	Aftertreatment Diesel Exhaust Fluid Pressure	126.7	129.4	psi					
	Aftertreatment Diesel Exhaust Fluid Tank Heating Valve Position Commanded	Closed	Closed						
	Aftertreatment Diesel Exhaust Fluid Tank Level	8	8	Percent					
	Aftertreatment Diesel Exhaust Fluid Tank Temperature	106	106	°F					
	Aftertreatment Diesel Oxidation Catalyst Intake Temperature	562.6	305.4	°F					
	Aftertreatment Diesel Particulate Filter Differential Pressure	0.07	-0.01	InHg					

Engine Serial Number :74061508
 Customer Unit Number :*****
 Work Order Name :WO-20190926-140450

INSITE - 8.0.0.402
 Company Name :Cummins Inc.
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 Customer Name :Customer Name**

Fault Code	Status	Count	Lamp	Description	PID	SID	J1587 FMI	J1939 FMI	SPN
	Fault Parameters	First	Last	Units					
	Aftertreatment Diesel Particulate Filter Intake Temperature	542.1	303.9	°F					
	Aftertreatment Diesel Particulate Filter Operating State	DPF Warmup	Inactive						
	Aftertreatment Diesel Particulate Filter Outlet Pressure	0.16	0.07	InHg					
	Aftertreatment Diesel Particulate Filter Outlet Temperature	486.8	301.2	°F					
	Aftertreatment Diesel Particulate Filter Regeneration Permit Switch Status	Off	Off						
	Aftertreatment Intake NOx Corrected	301	263	ppm					
	Aftertreatment Outlet NOx Corrected	0	0	ppm					
	Aftertreatment SCR Intake Temperature	335	277	°F					

Engine Serial Number :74061508
 Customer Unit Number :*****
 Work Order Name :WO-20190926-140450

INSITE - 8.0.0.402
 Company Name :Cummins Inc.
 ECM Image Name :I-20190926-141450257
 Customer Name :Customer Name**

Fault Code	Status	Count	Lamp	Description	PID	SID	J1587 FMI	J1939 FMI	SPN
	Fault Parameters	First	Last	Units					
	Aftertreatment SCR Outlet Temperature	303	269	°F					
	Barometric Air Pressure	25.1	25.2	InHg					
	Battery Voltage	14.1	14.1	V					
	Brake Pedal Position Switch	Released	Released						
	Clutch Pedal Position Switch	Released	Released						
	Crankcase Pressure	2.7	1.5	inH2O					
	Cruise Control On/Off Switch	On	On						
	EGR Differential Pressure	0.0	0.2	InHg					
	EGR Temperature	192.2	203.8	°F					
	EGR Valve Position Commanded	0	17	Percent					
	EGR Valve Position Measured (Percent Open)	0	18	Percent					
	Engine Coolant Level	Normal	Normal						

Engine Serial Number :74061508
 Customer Unit Number :*****
 Work Order Name :WO-20190926-140450

INSITE - 8.0.0.402
 Company Name :Cummins Inc.
 ECM Image Name :I-20190926-141450257
 Customer Name :Customer Name**

Fault Code	Status	Count	Lamp	Description	PID	SID	J1587 FMI	J1939 FMI	SPN
	Fault Parameters	First	Last	Units					
	Engine Coolant Temperature	210.4	209.1	°F					
	Engine Hours	4305:53:36	4461:58:19	HH:MM:SS					
	Engine Oil Pressure	24.3	21.9	psi					
	Engine Operating State	PTO	PTO						
	Engine Speed	1041	958	RPM					
	Engine Speed Backup Synchronization State	Have Synchronization	Have Synchronization						
	Engine Speed Main Synchronization State	Have Synchronization	Have Synchronization						
	Engine Torque Mode	PTO Governor	PTO Governor						
	Exhaust Gas Pressure	104.71	32.58	InHg					
	Exhaust Gas Temperature (Calculated)	751	408	°F					
	Exhaust Volumetric Flowrate	2.99	1.52	ft3/s					

Engine Serial Number :74061508
 Customer Unit Number :*****
 Work Order Name :WO-20190926-140450

INSITE - 8.0.0.402
 Company Name :Cummins Inc.
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 Customer Name :Customer Name**

Fault Code	Status	Count	Lamp	Description	PID	SID	J1587 FMI	J1939 FMI	SPN
	Fault Parameters	First	Last	Units					
	Fan Drive State	Coolant Temperature	Off						
	Fuel Rail Pressure Commanded	12464	8519	psi					
	Fuel Rail Pressure Measured	10850	8530	psi					
	Intake Air Throttle Position	90	90	Percent					
	Intake Air Throttle Position Commanded	90	90	Percent					
	Intake Manifold Air Temperature	155.5	164.8	°F					
	Intake Manifold Pressure	1.4	1.2	InHg					
	OEM Ambient Air Temperature	97	100	°F					
	Percent Accelerator Pedal or Lever	0	0	Percent					
	Percent Load	21	4	Percent					
	PTO On/Off Switch	On	On						


Engine Serial Number :74061508
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 Work Order Name :WO-20190926-140450

INSITE - 8.0.0.402
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 Customer Name :Customer Name**

Fault Code	Status	Count	Lamp	Description	PID	SID	J1587 FMI	J1939 FMI	SPN
	Fault Parameters	First	Last	Units					
	Remote Accelerator Pedal or Lever Switch	Off	Off						
	Remote PTO Switch	Off	Off						
	Transmission Gear Ratio	16.00	16.00						
	Turbocharger Actuator Position Commanded (Percent Closed)	93	89	Percent					
	Turbocharger Actuator Position Measured (Percent Closed)	93	89	Percent					
	Turbocharger Compressor Intake Air Temperature	127.0	126.4	°F					
	Turbocharger Compressor Outlet Air Temperature (Calculated)	163.4	161.6	°F					
	Turbocharger Speed	26242	21781	RPM					
	Vehicle Speed	0	0	mph					
	Water In Fuel State	No Water Detected	No Water Detected						

Engine Serial Number :74061508
 Customer Unit Number :*****
 Work Order Name :WO-20190926-140450

INSITE - 8.0.0.402
 Company Name :Cummins Inc.
 ECM Image Name :I-20190926-141450257
 Customer Name :Customer Name**

Fault Code	Status	Count	Lamp	Description	PID	SID	J1587 FMI	J1939 FMI	SPN
	Fault Parameters	First	Last	Units					
 3714	Inactive	2	Amber	Engine Protection Torque Derate - Condition Exists			11	31	1569
	ECM Time (Key On Time)	4578:11:41	4739:28:50	HH:MM:SS					
	Aftertreatment Diesel Exhaust Fluid Dosing Unit State	Dosing	Dosing						
	Aftertreatment Diesel Exhaust Fluid Dosing Valve Commanded Position	Closed	Closed						
	Aftertreatment Diesel Exhaust Fluid Pressure	128.9	131.3	psi					
	Aftertreatment Diesel Exhaust Fluid Tank Heating Valve Position Commanded	Closed	Closed						
	Aftertreatment Diesel Exhaust Fluid Tank Level	52	100	Percent					
	Aftertreatment Diesel Exhaust Fluid Tank Temperature	108	100	°F					

Engine Serial Number :74061508
 Customer Unit Number :*****
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INSITE - 8.0.0.402
 Company Name :Cummins Inc.
 ECM Image Name :I-20190926-141450257
 Customer Name :Customer Name**

Fault Code	Status	Count	Lamp	Description	PID	SID	J1587 FMI	J1939 FMI	SPN
	Fault Parameters	First	Last	Units					
	Aftertreatment Diesel Oxidation Catalyst Intake Temperature	416.3	434.6	°F					
	Aftertreatment Diesel Particulate Filter Differential Pressure	0.00	0.29	InHg					
	Aftertreatment Diesel Particulate Filter Intake Temperature	411.9	495.1	°F					
	Aftertreatment Diesel Particulate Filter Operating State	Inactive	DPF Warmup						
	Aftertreatment Diesel Particulate Filter Outlet Pressure	0.05	0.60	InHg					
	Aftertreatment Diesel Particulate Filter Outlet Temperature	408.2	601.3	°F					
	Aftertreatment Diesel Particulate Filter Regeneration Permit Switch Status	Off	Off						
	Aftertreatment Intake NOx Corrected	332	-4	ppm					

Engine Serial Number :74061508
 Customer Unit Number :*****
 Work Order Name :WO-20190926-140450

INSITE - 8.0.0.402
 Company Name :Cummins Inc.
 ECM Image Name :I-20190926-141450257
 Customer Name :Customer Name**

Fault Code	Status	Count	Lamp	Description	PID	SID	J1587 FMI	J1939 FMI	SPN
	Fault Parameters	First	Last	Units					
	Aftertreatment Outlet NOx Corrected	0	0	ppm					
	Aftertreatment SCR Intake Temperature	334	604	°F					
	Aftertreatment SCR Outlet Temperature	291	633	°F					
	Barometric Air Pressure	25.1	25.0	InHg					
	Battery Voltage	14.1	14.1	V					
	Brake Pedal Position Switch	Depressed	Released						
	Clutch Pedal Position Switch	Released	Released						
	Crankcase Pressure	1.9	2.0	inH2O					
	Cruise Control On/Off Switch	On	On						
	EGR Differential Pressure	0.1	0.0	InHg					
	EGR Temperature	187.5	175.9	°F					
	EGR Valve Position Commanded	5	0	Percent					

Engine Serial Number :74061508
 Customer Unit Number :*****
 Work Order Name :WO-20190926-140450

INSITE - 8.0.0.402
 Company Name :Cummins Inc.
 ECM Image Name :I-20190926-141450257
 Customer Name :Customer Name**

Fault Code	Status	Count	Lamp	Description	PID	SID	J1587 FMI	J1939 FMI	SPN
	Fault Parameters	First	Last	Units					
	EGR Valve Position Measured (Percent Open)	5	0	Percent					
	Engine Coolant Level	Normal	Normal						
	Engine Coolant Temperature	196.8	195.2	°F					
	Engine Hours	4306:53:37	4462:58:22	HH:MM:SS					
	Engine Oil Pressure	18.1	40.4	psi					
	Engine Operating State	Low Speed Governor State	Automotive Governor						
	Engine Speed	749	1464	RPM					
	Engine Speed Backup Synchronization State	Have Synchronization	Have Synchronization						
	Engine Speed Main Synchronization State	Have Synchronization	Have Synchronization						
	Engine Torque Mode	Low Idle Governor	Accelerator Pedal Operator Selection						
	Exhaust Gas Pressure	37.67	37.79	InHg					

Engine Serial Number :74061508
 Customer Unit Number :*****
 Work Order Name :WO-20190926-140450

INSITE - 8.0.0.402
 Company Name :Cummins Inc.
 ECM Image Name :I-20190926-141450257
 Customer Name :Customer Name**

Fault Code	Status	Count	Lamp	Description	PID	SID	J1587 FMI	J1939 FMI	SPN
	Fault Parameters	First	Last	Units					
	Exhaust Gas Temperature (Calculated)	641	256	°F					
	Exhaust Volumetric Flowrate	1.57	5.15	ft3/s					
	Fan Drive State	Air Conditioning Pressure Switch	Off						
	Fuel Rail Pressure Commanded	8702	11262	psi					
	Fuel Rail Pressure Measured	8642	10932	psi					
	Intake Air Throttle Position	90	90	Percent					
	Intake Air Throttle Position Commanded	90	90	Percent					
	Intake Manifold Air Temperature	159.6	118.9	°F					
	Intake Manifold Pressure	1.6	4.4	InHg					
	OEM Ambient Air Temperature	98	80	°F					

Engine Serial Number :74061508
 Customer Unit Number :*****
 Work Order Name :WO-20190926-140450

INSITE - 8.0.0.402
 Company Name :Cummins Inc.
 ECM Image Name :I-20190926-141450257
 Customer Name :Customer Name**

Fault Code	Status	Count	Lamp	Description	PID	SID	J1587 FMI	J1939 FMI	SPN
	Fault Parameters	First	Last	Units					
	Percent Accelerator Pedal or Lever	0	0	Percent					
	Percent Load	40	0	Percent					
	PTO On/Off Switch	On	On						
	Remote Accelerator Pedal or Lever Switch	Off	Off						
	Remote PTO Switch	Off	Off						
	Transmission Gear Ratio	16.00	0.72						
	Turbocharger Actuator Position Commanded (Percent Closed)	93	75	Percent					
	Turbocharger Actuator Position Measured (Percent Closed)	94	75	Percent					
	Turbocharger Compressor Intake Air Temperature	125.3	92.7	°F					
	Turbocharger Compressor Outlet Air Temperature (Calculated)	165.2	131.0	°F					
	Turbocharger Speed	23469	40977	RPM					

Engine Serial Number :74061508
 Customer Unit Number :*****
 Work Order Name :WO-20190926-140450

INSITE - 8.0.0.402
 Company Name :Cummins Inc.
 ECM Image Name :I-20190926-141450257
 Customer Name :Customer Name**

Fault Code	Status	Count	Lamp	Description	PID	SID	J1587 FMI	J1939 FMI	SPN
	Fault Parameters	First	Last	Units					
	Vehicle Speed	0	47	mph					
	Water In Fuel State	No Water Detected	No Water Detected						
<input type="checkbox"/> 6339	Inactive	1	None	Unknown					
	ECM Time (Key On Time)	4823:40:44	4823:40:44	HH:MM:SS					
	Aftertreatment Diesel Exhaust Fluid Dosing Unit State	Dosing	Dosing						
	Aftertreatment Diesel Exhaust Fluid Dosing Valve Commanded Position	Closed	Closed						
	Aftertreatment Diesel Exhaust Fluid Pressure	132.1	132.1	psi					
	Aftertreatment Diesel Exhaust Fluid Tank Heating Valve Position Commanded	Closed	Closed						
	Aftertreatment Diesel Exhaust Fluid Tank Level	72	72	Percent					

Engine Serial Number :74061508
 Customer Unit Number :*****
 Work Order Name :WO-20190926-140450

INSITE - 8.0.0.402
 Company Name :Cummins Inc.
 ECM Image Name :I-20190926-141450257
 Customer Name :Customer Name**

Fault Code	Status	Count	Lamp	Description	PID	SID	J1587 FMI	J1939 FMI	SPN
	Fault Parameters	First	Last	Units					
	Aftertreatment Diesel Exhaust Fluid Tank Temperature	88	88	°F					
	Aftertreatment Diesel Oxidation Catalyst Intake Temperature	313.1	313.1	°F					
	Aftertreatment Diesel Particulate Filter Differential Pressure	0.02	0.02	InHg					
	Aftertreatment Diesel Particulate Filter Intake Temperature	310.1	310.1	°F					
	Aftertreatment Diesel Particulate Filter Operating State	Inactive	Inactive						
	Aftertreatment Diesel Particulate Filter Outlet Pressure	0.04	0.04	InHg					
	Aftertreatment Diesel Particulate Filter Outlet Temperature	297.3	297.3	°F					

Engine Serial Number :74061508
 Customer Unit Number :*****
 Work Order Name :WO-20190926-140450

INSITE - 8.0.0.402
 Company Name :Cummins Inc.
 ECM Image Name :I-20190926-141450257
 Customer Name :Customer Name**

Fault Code	Status	Count	Lamp	Description	PID	SID	J1587 FMI	J1939 FMI	SPN
	Fault Parameters	First	Last	Units					
	Aftertreatment Diesel Particulate Filter Regeneration Permit Switch Status	Off	Off						
	Aftertreatment Intake NOx Corrected	137	137	ppm					
	Aftertreatment Outlet NOx Corrected	0	0	ppm					
	Aftertreatment SCR Intake Temperature	256	256	°F					
	Aftertreatment SCR Outlet Temperature	265	265	°F					
	Barometric Air Pressure	29.3	29.3	InHg					
	Battery Voltage	14.1	14.1	V					
	Brake Pedal Position Switch	Depressed	Depressed						
	Clutch Pedal Position Switch	Released	Released						
	Crankcase Pressure	1.3	1.3	inH2O					

Engine Serial Number :74061508
 Customer Unit Number :*****
 Work Order Name :WO-20190926-140450

INSITE - 8.0.0.402
 Company Name :Cummins Inc.
 ECM Image Name :I-20190926-141450257
 Customer Name :Customer Name**

Fault Code	Status	Count	Lamp	Description	PID	SID	J1587 FMI	J1939 FMI	SPN
	Fault Parameters	First	Last	Units					
	Cruise Control On/Off Switch	On	On						
	EGR Differential Pressure	0.4	0.4	InHg					
	EGR Temperature	198.7	198.7	°F					
	EGR Valve Position Commanded	0	0	Percent					
	EGR Valve Position Measured (Percent Open)	22	22	Percent					
	Engine Coolant Level	Normal	Normal						
	Engine Coolant Temperature	201.5	201.5	°F					
	Engine Hours	4545:42:44	4545:42:44	HH:MM:SS					
	Engine Oil Pressure	27.0	27.0	psi					
	Engine Operating State	Low Speed Governor State	Low Speed Governor State						
	Engine Speed	1068	1068	RPM					
	Engine Speed Backup Synchronization State	Have Synchronization	Have Synchronization						

Engine Serial Number :74061508
 Customer Unit Number :*****
 Work Order Name :WO-20190926-140450

INSITE - 8.0.0.402
 Company Name :Cummins Inc.
 ECM Image Name :I-20190926-141450257
 Customer Name :Customer Name**

Fault Code	Status	Count	Lamp	Description	PID	SID	J1587 FMI	J1939 FMI	SPN
	Fault Parameters	First	Last	Units					
	Engine Speed Main Synchronization State	Have Synchronization	Have Synchronization						
	Engine Torque Mode	Low Idle Governor	Low Idle Governor						
	Exhaust Gas Pressure	37.97	37.97	InHg					
	Exhaust Gas Temperature (Calculated)	419	419	°F					
	Exhaust Volumetric Flowrate	1.59	1.59	ft3/s					
	Fan Drive State	Off	Off						
	Fuel Rail Pressure Commanded	9701	9701	psi					
	Fuel Rail Pressure Measured	9926	9926	psi					
	Intake Air Throttle Position	90	90	Percent					
	Intake Air Throttle Position Commanded	90	90	Percent					
	Intake Manifold Air Temperature	160.6	160.6	°F					

Engine Serial Number :74061508
 Customer Unit Number :*****
 Work Order Name :WO-20190926-140450

INSITE - 8.0.0.402
 Company Name :Cummins Inc.
 ECM Image Name :I-20190926-141450257
 Customer Name :Customer Name**

Fault Code	Status	Count	Lamp	Description	PID	SID	J1587 FMI	J1939 FMI	SPN
	Fault Parameters	First	Last	Units					
	Intake Manifold Pressure	1.8	1.8	InHg					
	OEM Ambient Air Temperature	84	84	°F					
	Percent Accelerator Pedal or Lever	0	0	Percent					
	Percent Load	0	0	Percent					
	PTO On/Off Switch	On	On						
	Remote Accelerator Pedal or Lever Switch	Off	Off						
	Remote PTO Switch	Off	Off						
	Transmission Gear Ratio	16.00	16.00						
	Turbocharger Actuator Position Commanded (Percent Closed)	87	87	Percent					
	Turbocharger Actuator Position Measured (Percent Closed)	89	89	Percent					
	Turbocharger Compressor Intake Air Temperature	105.4	105.4	°F					

Engine Serial Number :74061508
 Customer Unit Number :*****
 Work Order Name :WO-20190926-140450

INSITE - 8.0.0.402
 Company Name :Cummins Inc.
 ECM Image Name :I-20190926-141450257
 Customer Name :Customer Name**

Fault Code	Status	Count	Lamp	Description	PID	SID	J1587 FMI	J1939 FMI	SPN
	Fault Parameters	First	Last	Units					
	Turbocharger Compressor Outlet Air Temperature (Calculated)	141.8	141.8	°F					
	Turbocharger Speed	22781	22781	RPM					
	Vehicle Speed	0	0	mph					
	Water In Fuel State	No Water Detected	No Water Detected						
<input type="checkbox"/> 0285	Inactive	2	Amber	SAE J1939 Multiplexing PGN Timeout Error - Abnormal update rate		231	9	9	639
	No fault snapshot data detected in the ECM.								
<input type="checkbox"/> 5655	Inactive	2	None	Unknown					
	ECM Time (Key On Time)	4623:29:46	4810:28:24	HH:MM:SS					
	Aftertreatment Diesel Exhaust Fluid Dosing Unit State	Dosing	Dosing						
	Aftertreatment Diesel Exhaust Fluid Dosing Valve Commanded Position	Closed	Closed						

Engine Serial Number :74061508
 Customer Unit Number :*****
 Work Order Name :WO-20190926-140450

INSITE - 8.0.0.402
 Company Name :Cummins Inc.
 ECM Image Name :I-20190926-141450257
 Customer Name :Customer Name**

Fault Code	Status	Count	Lamp	Description	PID	SID	J1587 FMI	J1939 FMI	SPN
	Fault Parameters	First	Last	Units					
	Aftertreatment Diesel Exhaust Fluid Pressure	134.7	142.6	psi					
	Aftertreatment Diesel Exhaust Fluid Tank Heating Valve Position Commanded	Closed	Closed						
	Aftertreatment Diesel Exhaust Fluid Tank Level	87	89	Percent					
	Aftertreatment Diesel Exhaust Fluid Tank Temperature	81	90	°F					
	Aftertreatment Diesel Oxidation Catalyst Intake Temperature	682.5	685.9	°F					
	Aftertreatment Diesel Particulate Filter Differential Pressure	1.28	1.65	InHg					
	Aftertreatment Diesel Particulate Filter Intake Temperature	683.9	678.3	°F					
	Aftertreatment Diesel Particulate Filter Operating State	Inactive	Inactive						

Engine Serial Number :74061508
 Customer Unit Number :*****
 Work Order Name :WO-20190926-140450

INSITE - 8.0.0.402
 Company Name :Cummins Inc.
 ECM Image Name :I-20190926-141450257
 Customer Name :Customer Name**

Fault Code	Status	Count	Lamp	Description	PID	SID	J1587 FMI	J1939 FMI	SPN
	Fault Parameters	First	Last	Units					
	Aftertreatment Diesel Particulate Filter Outlet Pressure	2.75	3.59	InHg					
	Aftertreatment Diesel Particulate Filter Outlet Temperature	657.5	668.3	°F					
	Aftertreatment Diesel Particulate Filter Regeneration Permit Switch Status	Off	Off						
	Aftertreatment Intake NOx Corrected	333	410	ppm					
	Aftertreatment Outlet NOx Corrected	0	15	ppm					
	Aftertreatment SCR Intake Temperature	614	625	°F					
	Aftertreatment SCR Outlet Temperature	579	589	°F					
	Barometric Air Pressure	29.1	24.5	InHg					
	Battery Voltage	14.1	14.1	V					

Engine Serial Number :74061508
 Customer Unit Number :*****
 Work Order Name :WO-20190926-140450

INSITE - 8.0.0.402
 Company Name :Cummins Inc.
 ECM Image Name :I-20190926-141450257
 Customer Name :Customer Name**

Fault Code	Status	Count	Lamp	Description	PID	SID	J1587 FMI	J1939 FMI	SPN
	Fault Parameters	First	Last	Units					
	Brake Pedal Position Switch	Released	Released						
	Clutch Pedal Position Switch	Released	Released						
	Crankcase Pressure	6.9	8.1	inH2O					
	Cruise Control On/Off Switch	On	Off						
	EGR Differential Pressure	1.1	1.1	InHg					
	EGR Temperature	215.8	234.3	°F					
	EGR Valve Position Commanded	18	19	Percent					
	EGR Valve Position Measured (Percent Open)	18	20	Percent					
	Engine Coolant Level	Normal	Normal						
	Engine Coolant Temperature	200.2	202.7	°F					
	Engine Hours	4350:40:45	4532:37:18	HH:MM:SS					
	Engine Oil Pressure	54.1	56.3	psi					

Engine Serial Number :74061508
 Customer Unit Number :*****
 Work Order Name :WO-20190926-140450

INSITE - 8.0.0.402
 Company Name :Cummins Inc.
 ECM Image Name :I-20190926-141450257
 Customer Name :Customer Name**

Fault Code	Status	Count	Lamp	Description	PID	SID	J1587 FMI	J1939 FMI	SPN
	Fault Parameters	First	Last	Units					
	Engine Operating State	Automotive Governor	Road Speed Governor State						
	Engine Speed	2270	2466	RPM					
	Engine Speed Backup Synchronization State	Have Synchronization	Have Synchronization						
	Engine Speed Main Synchronization State	Have Synchronization	Have Synchronization						
	Engine Torque Mode	Accelerator Pedal Operator Selection	Road Speed Governor						
	Exhaust Gas Pressure	101.73	92.62	InHg					
	Exhaust Gas Temperature (Calculated)	1015	984	°F					
	Exhaust Volumetric Flowrate	13.20	15.94	ft3/s					
	Fan Drive State	Off	Off						
	Fuel Rail Pressure Commanded	25250	24593	psi					

Engine Serial Number :74061508
 Customer Unit Number :*****
 Work Order Name :WO-20190926-140450

INSITE - 8.0.0.402
 Company Name :Cummins Inc.
 ECM Image Name :I-20190926-141450257
 Customer Name :Customer Name**

Fault Code	Status	Count	Lamp	Description	PID	SID	J1587 FMI	J1939 FMI	SPN
	Fault Parameters	First	Last	Units					
	Fuel Rail Pressure Measured	24349	24529	psi					
	Intake Air Throttle Position	90	90	Percent					
	Intake Air Throttle Position Commanded	90	90	Percent					
	Intake Manifold Air Temperature	130.7	136.9	°F					
	Intake Manifold Pressure	45.3	41.7	InHg					
	OEM Ambient Air Temperature	84	83	°F					
	Percent Accelerator Pedal or Lever	93	100	Percent					
	Percent Load	90	63	Percent					
	PTO On/Off Switch	On	Off						
	Remote Accelerator Pedal or Lever Switch	Off	Off						
	Remote PTO Switch	Off	Off						
	Transmission Gear Ratio	0.72	0.72						

Engine Serial Number :74061508
 Customer Unit Number :*****
 Work Order Name :WO-20190926-140450

INSITE - 8.0.0.402
 Company Name :Cummins Inc.
 ECM Image Name :I-20190926-141450257
 Customer Name :Customer Name**

Fault Code	Status	Count	Lamp	Description	PID	SID	J1587 FMI	J1939 FMI	SPN
	Fault Parameters	First	Last	Units					
	Turbocharger Actuator Position Commanded (Percent Closed)	65	64	Percent					
	Turbocharger Actuator Position Measured (Percent Closed)	65	64	Percent					
	Turbocharger Compressor Intake Air Temperature	95.2	94.1	°F					
	Turbocharger Compressor Outlet Air Temperature (Calculated)	284.0	339.8	°F					
	Turbocharger Speed	98547	103031	RPM					
	Vehicle Speed	71	78	mph					
	Water In Fuel State	No Water Detected	No Water Detected						

Engine Serial Number :74061508
 Customer Unit Number :*****
 Work Order Name :WO-20190926-140450

INSITE - 8.0.0.402
 Company Name :Cummins Inc.
 ECM Image Name :I-20190926-141450257
 Customer Name :Customer Name**

Features and Parameters

Features and Parameters	ECM Value	Units
[-] ISB6.7 CM2350 B101		
[-] CM2350A		
[-] System ID and Dataplate		
[-] Calibration Information		
Calibration Software Phase	15464709	
Calibration Time/Date Stamp	31417202847	
DO Option	94352	
ECM Code	DT90319.11	
Other Options		
SC Option	92052	
[-] Customer Information		

Engine Serial Number :74061508
 Customer Unit Number :*****
 Work Order Name :WO-20190926-140450

INSITE - 8.0.0.402
 Company Name :Cummins Inc.
 ECM Image Name :I-20190926-141450257
 Customer Name :Customer Name**

Features and Parameters	ECM Value	Units
Customer Location	*****	
Customer Name	Customer Name**	
Customer Unit Number	*****	
ECM Information		
ECM Name	CM2350A	
ECM Part Number	4358814	
ECM Serial Number	6156667	
Engine Information		
Engine Build Date	110916	
Engine Make	CMMNS	
Engine Model	6B u13D0670000000	
Engine Serial Number	74061508	

Engine Serial Number :74061508
 Customer Unit Number :*****
 Work Order Name :WO-20190926-140450

INSITE - 8.0.0.402
 Company Name :Cummins Inc.
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 Customer Name :Customer Name**

Features and Parameters	ECM Value	Units
<input type="checkbox"/> System Information		
Advertised Power at RPM	300	hp
Advertised Power RPM	2600	RPM
Control Parts List	4608	
Fuel Code	FP93685	
Governed Speed	2600	RPM
Peak Torque at RPM	660	ft*b
Peak Torque RPM	1600	RPM
<input type="checkbox"/> Vehicle/OEM Information		
OEM Name	DAIMLER TRUCKS	
OEM Vehicle or Equipment Model	M2 106	
Vehicle Identification Number or Equipment Serial Number	3ALACWDT7HDJD9595	

Engine Serial Number :74061508
 Customer Unit Number :*****
 Work Order Name :WO-20190926-140450

INSITE - 8.0.0.402
 Company Name :Cummins Inc.
 ECM Image Name :I-20190926-141450257
 Customer Name :Customer Name**

Features and Parameters	ECM Value	Units
Vehicle or Equipment Year	*****	
Accelerator Interlock	Disable	
Accelerator Options	Enable	
Accelerator Type	Dual Analog	
Accelerator Brake Override	Disable	
Adjustable Low Idle Speed	Enable	
Low Idle Speed	750	RPM
Low Idle Speed Adjustment Switch	Disable	
Aftertreatment		
Aftertreatment Diesel Particulate Filter		
Active Regeneration in PTO and Remote Modes	Disable	
Aftertreatment Diesel Particulate Filter Stationary Regeneration with Parking Brake	Disable	

Engine Serial Number :74061508
 Customer Unit Number :*****
 Work Order Name :WO-20190926-140450

INSITE - 8.0.0.402
 Company Name :Cummins Inc.
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 Customer Name :Customer Name**

Features and Parameters	ECM Value	Units
Aftertreatment Diesel Particulate Filter Temperature Stabilization	Enable	
<input type="checkbox"/> Automotive Mobile Regeneration	Enable	
Minimum Vehicle Speed	25	mph
Diesel Particulate Filter Lamp	Installed	
Diesel Particulate Filter Regeneration Permit Switch	Disable	
Diesel Particulate Filter Regeneration Start Switch	Enable	
<input type="checkbox"/> High Exhaust System Temperature Lamp	Enable	
Active Due to Regeneration	Enable	
Active Maximum Speed	5	mph
Active Temperature	977	°F
Inactive Temperature	932	°F
<input type="checkbox"/> SCR Aftertreatment		

Engine Serial Number :74061508
 Customer Unit Number :*****
 Work Order Name :WO-20190926-140450

INSITE - 8.0.0.402
 Company Name :Cummins Inc.
 ECM Image Name :I-20190926-141450257
 Customer Name :Customer Name**

Features and Parameters	ECM Value	Units
[-] Aftertreatment Diesel Exhaust Fluid Level System Configuration	Enable	
Aftertreatment Diesel Exhaust Fluid Low Level	10.0	Percent
Aftertreatment Diesel Exhaust Fluid Warning Level	2.5	Percent
Aftertreatment Diesel Exhaust Fluid Inducement Level	2.5	Percent
[-] Diesel Exhaust Fluid Heater		
Diesel Exhaust Fluid Heater Configuration	Disable	
Diesel Exhaust Fluid Line Heater 1 Relay	Enable	
Diesel Exhaust Fluid Tank Heater 1 Relay	Enable	
[-] Alternator Failure Warning	Enable	
Idle Speedup	Disable	
Battery Power Required Lamp	Disable	
Clutch Pedal Position Switch	Not Installed	

Engine Serial Number :74061508
 Customer Unit Number :*****
 Work Order Name :WO-20190926-140450

INSITE - 8.0.0.402
 Company Name :Cummins Inc.
 ECM Image Name :I-20190926-141450257
 Customer Name :Customer Name**

Features and Parameters	ECM Value	Units
Coolant Level Sensor	Disable	
<input type="checkbox"/> Cruise Control	Enable	
Cruise Control Lower Droop	0.0	mph
Cruise Control Upper Droop	0.0	mph
Maximum Cruise Control Speed	78	mph
Adaptive Cruise	Disable	
Cruise Control Auto-Resume	Disable	
Cruise Control Pause Switch	Disable	
Cruise Control Save Set Speed	Disable	
Cruise Control and Engine Brake Interaction	Disable	
<input type="checkbox"/> Cruise Control Switch Setup		
Switch Setup	Set/Coast (Resume/Accelerate)	

Engine Serial Number :74061508
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INSITE - 8.0.0.402
 Company Name :Cummins Inc.
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 Customer Name :Customer Name**

Features and Parameters	ECM Value	Units
<input type="checkbox"/> Electrical System Voltage		
Electrical System Voltage	12V	
<input type="checkbox"/> Engine Brake Control	Enable	
Delay Time	0.5	sec
Engine Brake Type	Exhaust Brake OR Variable Geometry	
Minimum Vehicle Speed	9.9	mph
Clutch Pedal Activation	Enable	
Engine Brake Lamp	Disable	
Service Brake Activation	Disable	
Engine Coolant Level Sensor	Installed	
Engine Oil Pressure Sensor	Enable	
<input type="checkbox"/> Engine Protection	Enable	

Engine Serial Number :74061508
 Customer Unit Number :*****
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INSITE - 8.0.0.402
 Company Name :Cummins Inc.
 ECM Image Name :I-20190926-141450257
 Customer Name :Customer Name**

Features and Parameters	ECM Value	Units
[-] Engine Coolant Level	Enable	
Shutdown Override	Disable	
Time Based Shutdown	Enable	
Torque Derate	Enable	
Limited Restart	Enable	
Shutdown	Enable	
Shutdown Manual Override	Disable	
Enhanced Auxiliary Shutdown Switch	Disable	
[-] Fan Control	Enable	
Fan Control Logic	0 Volt On	
[-] Air Conditioning Pressure Switch Input	Enable	
Minimum Fan On Time for Air Conditioning Pressure Switch	30	sec

Engine Serial Number :74061508
 Customer Unit Number :*****
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INSITE - 8.0.0.402
 Company Name :Cummins Inc.
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 Customer Name :Customer Name**

Features and Parameters	ECM Value	Units
Vehicle Speed Interaction	Enable	
Fan Control Switch	Disable	
<input type="checkbox"/> Fan Minimum Run Time	Enable	
Minimum Run Time	00:00:30	HH:MM:SS
Fan on with Engine Braking	Disable	
Fan on With Remote Throttle	Disable	
Fan Type	On/Off	
<input type="checkbox"/> Fast Idle Warmup	Enable	
Idle Speed	1200	RPM
PTO Load Threshold	10	Percent
Fuel Level Sensor 2	Enable	
Gear Down Protection	Disable	













Engine Serial Number :74061508
 Customer Unit Number :*****
 Work Order Name :WO-20190926-140450

INSITE - 8.0.0.402
 Company Name :Cummins Inc.
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 Customer Name :Customer Name**

Features and Parameters	ECM Value	Units
[-] Governor Type		
Governor Type	Automotive	
Governor Type Switch	Disable	
High Soot Load Shutdown	Enable	
Idle Shutdown	Disable	
Intake Air Heater	Enable	
[-] J1939 Controls	Enable	
J1939 Service Reset	Enable	
J1939 Stop Broadcast Allowed	Enable	
J1939 Trip Reset	Enable	
Maintenance Monitor	Disable	
OEM Ambient Air Temperature Sensor	Enable	

Engine Serial Number :74061508
 Customer Unit Number :*****
 Work Order Name :WO-20190926-140450

INSITE - 8.0.0.402
 Company Name :Cummins Inc.
 ECM Image Name :I-20190926-141450257
 Customer Name :Customer Name**

Features and Parameters	ECM Value	Units
 Parking Brake Switch	Enable	
 Powertrain Protection	Disable	
 <input type="checkbox"/> PTO	Enable	
 PTO Speed 1 Device		
 PTO Speed 2 Device		
 PTO Speed 3 Device		
 PTO Speed 4 Device		
 PTO Speed 5 Device		
 PTO Speed 6 Device		
 PTO Speed 7 Device		
 PTO Speed 8 Device		
 Additional Switch Speed	950	RPM

Engine Serial Number :74061508
 Customer Unit Number :*****
 Work Order Name :WO-20190926-140450

INSITE - 8.0.0.402
 Company Name :Cummins Inc.
 ECM Image Name :I-20190926-141450257
 Customer Name :Customer Name**

Features and Parameters	ECM Value	Units
Maximum Engine Load	800	ft*b
Maximum Speed	1100	RPM
Maximum Vehicle Speed	5	mph
Minimum Speed	700	RPM
Ramp Rate	250	rpm/s
Resume Switch Speed	800	RPM
Set Switch Speed	700	RPM
Accelerator Pedal or Lever Override	Disable	
Alternate Operation	Disable	
Cab PTO	Enable	
Clutch Override	Disable	
Ignore Vehicle Speed Source in PTO	Disable	

Engine Serial Number :74061508
 Customer Unit Number :*****
 Work Order Name :WO-20190926-140450

INSITE - 8.0.0.402
 Company Name :Cummins Inc.
 ECM Image Name :I-20190926-141450257
 Customer Name :Customer Name**

Features and Parameters	ECM Value	Units
Parking Brake Interlock Type	None	
PTO Pump Mode	Disable	
Remote PTO	Disable	
Remote Station PTO	Disable	
Service Brake Override	Enable	
Transmission Driven PTO	Disable	
Transmission Neutral Interlock	Disable	
Zero Vehicle Speed Source Limit	Disable	
Remote Accelerator Pedal or Lever	Disable	
<input type="checkbox"/> Road Speed Governor	Enable	
Maximum Accelerator Vehicle Speed	78	mph
Maximum Vehicle Speed	90	mph

Engine Serial Number :74061508
 Customer Unit Number :*****
 Work Order Name :WO-20190926-140450

INSITE - 8.0.0.402
 Company Name :Cummins Inc.
 ECM Image Name :I-20190926-141450257
 Customer Name :Customer Name**

Features and Parameters	ECM Value	Units
Road Speed Governor Lower Droop	0	mph
Road Speed Governor Upper Droop	0	mph
Greenhouse Gas Vehicle Speed Limiter	Disable	
Reserve Speed	Disable	
Switched Maximum Vehicle Speed	Disable	
<input type="checkbox"/> SAE J1939 Multiplexing		
Accelerator Interlock Switch	Disable	
Accelerator Pedal or Lever Position	Disable	
<input type="checkbox"/> Aftertreatment Diesel Exhaust Fluid Tank Level Sensor	Enable	
Source Address	163 - Catalyst Fluid Sensor	
<input type="checkbox"/> Aftertreatment Diesel Exhaust Fluid Tank Temperature Sensor	Enable	
Source Address	163 - Catalyst Fluid Sensor	


















Engine Serial Number :74061508
 Customer Unit Number :*****
 Work Order Name :WO-20190926-140450

INSITE - 8.0.0.402
 Company Name :Cummins Inc.
 ECM Image Name :I-20190926-141450257
 Customer Name :Customer Name**

Features and Parameters	ECM Value	Units
Aftertreatment Regeneration Permit Switch	Disable	
<input type="checkbox"/> Aftertreatment Regeneration Start Switch	Enable	
Source Address	33 - Body Controller	
Air Conditioning Pressure Switch	Disable	
Auxiliary Shutdown Switch	Disable	
Clutch Pedal Position Switch	Disable	
Cruise Control On/Off Switch	Disable	
Cruise Control Pause Switch	Disable	
Cruise Control Set / Resume Switch	Disable	
<input type="checkbox"/> Diagnostic Test Mode Switch	Enable	
Source Address	33 - Body Controller	
<input type="checkbox"/> Engine Brake Switch Level	Enable	

Engine Serial Number :74061508
 Customer Unit Number :*****
 Work Order Name :WO-20190926-140450

INSITE - 8.0.0.402
 Company Name :Cummins Inc.
 ECM Image Name :I-20190926-141450257
 Customer Name :Customer Name**

Features and Parameters	ECM Value	Units
  Source Address	33 - Body Controller	
 Engine Protection Shutdown Manual Override	Disable	
 Fan Control Switch	Disable	
 Fan Control Switch 2	Disable	
  Fuel Level Sensor	Enable	
  Source Address	23 - Instrument Cluster #1	
 Fuel Level Sensor 2	Disable	
 Idle Increment/ Idle Decrement Switch	Disable	
 Idle Validation Switch	Disable	
  Parking Brake	Enable	
  Source Address	33 - Body Controller	
 PTO On/Off Switch	Disable	

Engine Serial Number :74061508
 Customer Unit Number :*****
 Work Order Name :WO-20190926-140450

INSITE - 8.0.0.402
 Company Name :Cummins Inc.
 ECM Image Name :I-20190926-141450257
 Customer Name :Customer Name**

Features and Parameters	ECM Value	Units
PTO Set / Resume Switch	Disable	
Rear Axle Ratio Switch	Disable	
Remote Accelerator Pedal or Lever	Disable	
Remote Accelerator Pedal or Lever Switch	Disable	
Remote PTO Switch	Disable	
<input type="checkbox"/> Service Brake Switch	Enable	
<input type="checkbox"/> Source Address	33 - Body Controller	
Torque Derate Switch	Disable	
<input type="checkbox"/> Wait To Start Lamp	Disable	
Service Brake Switch	Enable	
Starter Lockout	Disable	
<input type="checkbox"/> Sudden Deceleration Event Settings	Enable	

Engine Serial Number :74061508
 Customer Unit Number :*****
 Work Order Name :WO-20190926-140450

INSITE - 8.0.0.402
 Company Name :Cummins Inc.
 ECM Image Name :I-20190926-141450257
 Customer Name :Customer Name**

Features and Parameters	ECM Value	Units
Sudden Deceleration Rate Threshold	9.0	mph/s
Switched Maximum Engine Operating Speed	Disable	
<input type="checkbox"/> Transmission Setup	Enable	
Gear Down Transmission Ratio	1.00	
Top Gear Transmission Ratio	0.71	
Transmission Type	Automatic	
<input type="checkbox"/> Trip Information	Enable	
ECM Distance Offset	0.0	mi
Engine Distance Offset	0.0	mi
Vehicle Overspeed 1	0.0	mph
Vehicle Overspeed 2	0.0	mph
ECM Time Offset	0	hrs

Engine Serial Number :74061508
 Customer Unit Number :*****
 Work Order Name :WO-20190926-140450

INSITE - 8.0.0.402
 Company Name :Cummins Inc.
 ECM Image Name :I-20190926-141450257
 Customer Name :Customer Name**

Features and Parameters	ECM Value	Units
Engine Time Offset	0	hrs
Variable Rate Vehide Acceleration Management	Disable	
Vehicle Speed Source	Enable	
Maximum Engine Speed without Vehide Speed Source	3000	RPM
Number of Transmission Tailshaft Gear Teeth	16	
Rear Axle Ratio	5.13	
Tire Size	517	revs/mi
Vehicle Speed Sensor Type	Data Link - Tailshaft	
Two Speed Rear Axle	Disable	
Water In Fuel Sensor	Installed	
Other Devices		
No Other Devices were detected.		

Multi-Level ECM Security

Engine Serial Number :74061508
Customer Unit Number :*****
Work Order Name :WO-20190926-140450

INSITE - 8.0.0.402
Company Name :Cummins Inc.
ECM Image Name :I-20190926-141450257
Customer Name :Customer Name**

Multi Level ECM Security

Password	Value
Master Password	Disabled
Adjustment Password	Disabled
Reset Password	Disabled
OEM Password	Disabled
OEM 2 Password	Disabled
Greenhouse Gas - Idle Shutdown Password	Disabled
Greenhouse Gas - Vehicle Speed Limiter Password	Disabled

Engine Serial Number :74061508
Customer Unit Number :*****
Work Order Name :WO-20190926-140450

INSITE - 8.0.0.402
Company Name :Cummins Inc.
ECM Image Name :I-20190926-141450257
Customer Name :Customer Name**

Other (Smart) Devices

Features and Parameters	ECM Value	Units
<input type="checkbox"/> ISB6.7 CM2350 B101		
<input type="checkbox"/> CM2350A		
Other Devices		
No Other Devices were detected.		

SAE J1939 Multiplexed Fault Data

Engine Serial Number :74061508
 Customer Unit Number :*****
 Work Order Name :WO-20190926-140450

INSITE - 8.0.0.402
 Company Name :Cummins Inc.
 ECM Image Name :I-20190926-141450257
 Customer Name :Customer Name**

SAE J1939 Multiplexed Fault Data

Fault Code	Multiplexed Component or Data Parameter	Status	Total ECM Time (Key On Time)	
<input type="checkbox"/> CM2350A				
<input type="checkbox"/> 0285	SAE J1939 Multiplexing PGN Timeout Error			
	Aftertreatment Regeneration Start Switch	Inactive	4823:40:45	
	Parking Brake	Inactive	4823:40:44	
	Service Brake Switch	Inactive	4823:40:44	
	Diagnostic Test Mode Switch	Inactive	4823:40:44	
	Engine Brake Switch Level	Inactive	4823:40:44	
	Aftertreatment Regeneration Start Switch	Active	4823:40:44	
	Parking Brake	Active	4823:40:44	
	Service Brake Switch	Active	4823:40:44	
	Diagnostic Test Mode Switch	Active	4823:40:44	
	Engine Brake Switch Level	Active	4823:40:44	
	Service Brake Switch	Active	4796:26:46	
	Diagnostic Test Mode Switch	Active	4796:26:46	
	Engine Brake Switch Level	Active	4796:26:46	
	Parking Brake	Inactive	4796:26:46	
	Service Brake Switch	Inactive	4796:26:46	
	Diagnostic Test Mode Switch	Inactive	4796:26:46	
	Engine Brake Switch Level	Inactive	4796:26:46	
	Parking Brake	Active	4796:26:46	
	Service Brake Switch	Active	4796:24:32	
	Diagnostic Test Mode Switch	Active	4796:24:32	
	Engine Brake Switch Level	Active	4796:24:32	

SAE J1939 Multiplexed Fault Data

Engine Serial Number :74061508
 Customer Unit Number :*****
 Work Order Name :WO-20190926-140450

INSITE - 8.0.0.402
 Company Name :Cummins Inc.
 ECM Image Name :I-20190926-141450257
 Customer Name :Customer Name**

Fault Code	Multiplexed Component or Data Parameter	Status	Total ECM Time (Key On Time)
	Parking Brake	Inactive	4796:24:32
	Service Brake Switch	Inactive	4796:24:32
	Diagnostic Test Mode Switch	Inactive	4796:24:32
	Engine Brake Switch Level	Inactive	4796:24:32
<input type="checkbox"/> 0286	SAE J1939 Multiplexing Configuration Error		
No SAE J 1939 Multiplexed Fault Data is available for display because there has been no occurrence of Fault Code 286			

Engine Serial Number :74061508
 Customer Unit Number :*****
 Work Order Name :WO-20190926-140450

INSITE - 8.0.0.402
 Company Name :Cummins Inc.
 ECM Image Name :I-20190926-141450257
 Customer Name :Customer Name**

System ID And Dataplate

Features and Parameters	ECM Value	Units
[-] ISB6.7 CM2350 B101		
[-] CM2350A		
[-] System ID and Dataplate		
[-] Calibration Information		
Calibration Software Phase	15464709	
Calibration Time/Date Stamp	31417202847	
DO Option	94352	
ECM Code	DT90319.11	
Other Options		
SC Option	92052	
[-] Customer Information		

Engine Serial Number :74061508
 Customer Unit Number :*****
 Work Order Name :WO-20190926-140450

INSITE - 8.0.0.402
 Company Name :Cummins Inc.
 ECM Image Name :I-20190926-141450257
 Customer Name :Customer Name**

Features and Parameters	ECM Value	Units
Customer Location	*****	
Customer Name	Customer Name**	
Customer Unit Number	*****	
<input type="checkbox"/> ECM Information		
ECM Name	CM2350A	
ECM Part Number	4358814	
ECM Serial Number	6156667	
<input type="checkbox"/> Engine Information		
Engine Build Date	110916	
Engine Make	CMMNS	
Engine Model	6B u13D067000000	
Engine Serial Number	74061508	

Engine Serial Number :74061508
 Customer Unit Number :*****
 Work Order Name :WO-20190926-140450

INSITE - 8.0.0.402
 Company Name :Cummins Inc.
 ECM Image Name :I-20190926-141450257
 Customer Name :Customer Name**

Features and Parameters	ECM Value	Units
<input type="checkbox"/> System Information		
Advertised Power at RPM	300	hp
Advertised Power RPM	2600	RPM
Control Parts List	4608	
Fuel Code	FP93685	
Governed Speed	2600	RPM
Peak Torque at RPM	660	ft*lb
Peak Torque RPM	1600	RPM
<input type="checkbox"/> Vehicle/OEM Information		
OEM Name	DAIMLER TRUCKS	
OEM Vehicle or Equipment Model	M2 106	
Vehicle Identification Number or Equipment Serial Number	3ALACWDT7HDJD9595	

Engine Serial Number :74061508
Customer Unit Number :*****
Work Order Name :WO-20190926-140450

INSITE - 8.0.0.402
Company Name :Cummins Inc.
ECM Image Name :I-20190926-141450257
Customer Name :Customer Name**

Features and Parameters	ECM Value	Units
Vehicle or Equipment Year	*****	

Engine Serial Number :74061508
Customer Unit Number :*****
Work Order Name :WO-20190926-140450

Technician's Note

INSITE - 8.0.0.402
Company Name :Cummins Inc.
ECM Image Name :I-20190926-141450257
Customer Name :Customer Name**

Technician's Note

Description	HVEDR lma de 9/26/19 Asay Engineering??2017 Freightliner Motorcoach??Ramsay Towing, Kanab, UT2017 Freightliner Motorcoach??Ramsay Towing, Kanab, UT??9/26/2019 AE
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Trip Information

Engine Serial Number :74061508
 Customer Unit Number :*****
 Work Order Name :WO-20190926-140450

INSITE - 8.0.0.402
 Company Name :Cummins Inc.
 ECM Image Name :I-20190926-141450257
 Customer Name :Customer Name**

Trip Information

Name	ECM Value	Units
[-] ISB6.7 CM2350 B101		
[-] CM2350A		
[-] All Trips (Cumulative)		
[-] Aftertreatment		
Maximum Diesel Particulate Filter Differential	2.8	InHg
Maximum Diesel Particulate Filter Soot Load	Normal	
Number of Complete Regenerations	233	
Number of Incomplete Regenerations	0	
Total Diesel Exhaust Fluid Used	381.5	gal
[-] Distance		
Cruise Control Distance	434.1.9	mi
ECM Distance	172981.5	mi
Engine Brake Distance	5507.0	mi
Engine Distance	172946.4	mi
Gear Down Distance	12778.3	mi
Maximum Accelerator Vehicle Speed Distance	984.6	mi
Service Brake Distance	6147.7	mi
Top Gear Distance	149385.0	mi
[-] Fuel Used		
Coast Fuel Used	5.6	gal
Cruise Control Fuel Used	566.6	gal
Drive Fuel Used	18908.8	gal
Fuel Consumed for Aftertreatment Injection	95.1	gal
Fuel Used	20054.5	gal
Gear Down Fuel Used	1388.9	gal
Idle Fuel Used	684.4	gal

Trip Information

Engine Serial Number :74061508
 Customer Unit Number :*****
 Work Order Name :WO-20190926-140450

INSITE - 8.0.0.402
 Company Name :Cummins Inc.
 ECM Image Name :I-20190926-141450257
 Customer Name :Customer Name**

Name	ECM Value	Units
⚡ Loaded PTO Drive Fuel Used	0.0	gal
⚡ Loaded PTO Stationary Fuel Used	0.0	gal
⚡ Maximum Accelerator Vehicle Speed Fuel Used	1230.3	gal
⚡ PTO Device 1 Total Fuel Used	0	gal
⚡ PTO Device 2 Total Fuel Used	112	gal
⚡ PTO Device 3 Total Fuel Used	0	gal
⚡ PTO Device 4 Total Fuel Used	0	gal
⚡ PTO Device 5 Total Fuel Used	0	gal
⚡ PTO Device 6 Total Fuel Used	0	gal
⚡ PTO Device 7 Total Fuel Used	0	gal
⚡ PTO Device 8 Total Fuel Used	0	gal
⚡ PTO Drive Fuel Used	0.0	gal
⚡ PTO Fuel Used	93.7	gal
⚡ Top Gear Fuel Used	15648.1	gal
[-] Multiple PTO		
⚡ PTO Speed 1 Device		
⚡ PTO Speed 2 Device		
⚡ PTO Speed 3 Device		
⚡ PTO Speed 4 Device		
⚡ PTO Speed 5 Device		
⚡ PTO Speed 6 Device		
⚡ PTO Speed 7 Device		
⚡ PTO Speed 8 Device		
[-] Other		
⚡ Average Engine Load	34.0	Percent
⚡ Average Engine Speed	1493	RPM
⚡ Drive Average Power	110	hp
⚡ Engine Brake Activations	82395	
⚡ Engine Protection Shutdown Manual Override	0	
⚡ Maximum Engine Speed	3123	RPM

Trip Information

Engine Serial Number :74061508
 Customer Unit Number :*****
 Work Order Name :WO-20190926-140450

INSITE - 8.0.0.402
 Company Name :Cummins Inc.
 ECM Image Name :I-20190926-141450257
 Customer Name :Customer Name**

Name	ECM Value	Units
◆ Number Of Trip Resets	0	
[-] Time		
◆ Coast Time	223:50:31	HH:MM:SS
◆ Cruise Control Time	62:25:14	HH:MM:SS
◆ Drive Time	3244:45:57	HH:MM:SS
◆ ECM Time (Key On Time)	4894:31:53	HH:MM:SS
◆ Engine Brake Time	131:42:07	HH:MM:SS
◆ Engine Run Time	4612:14:01	HH:MM:SS
◆ Full Load Operation Time	356:14:15	HH:MM:SS
◆ Gear Down Time	347:15:12	HH:MM:SS
◆ Idle Time	943:57:17	HH:MM:SS
◆ Loaded PTO Drive Time	0:00:00	HH:MM:SS
◆ Loaded PTO Stationary Time	0:00:00	HH:MM:SS
◆ Maximum Accelerator Vehicle Speed Time	140:27:03	HH:MM:SS
◆ PTO Device 1 Total Time	00:01	HH:MM
◆ PTO Device 2 Total Time	69:39	HH:MM
◆ PTO Device 3 Total Time	00:00	HH:MM
◆ PTO Device 4 Total Time	00:00	HH:MM
◆ PTO Device 5 Total Time	00:00	HH:MM
◆ PTO Device 6 Total Time	00:00	HH:MM
◆ PTO Device 7 Total Time	00:00	HH:MM
◆ PTO Device 8 Total Time	00:00	HH:MM
◆ PTO Drive Time	0:00:31	HH:MM:SS
◆ Service Brake Time	311:40:33	HH:MM:SS
◆ Top Gear Time	2329:16:34	HH:MM:SS
◆ Total PTO Time	152:52:09	HH:MM:SS
[-] Trip Since Last Reset		
[-] Aftertreatment		
◆ Aftertreatment Diesel Exhaust Fluid Used	381.5	gal
◆ Maximum Diesel Particulate Filter Differential	2.8	InHg

Trip Information

Engine Serial Number :74061508
 Customer Unit Number :*****
 Work Order Name :WO-20190926-140450

INSITE - 8.0.0.402
 Company Name :Cummins Inc.
 ECM Image Name :I-20190926-141450257
 Customer Name :Customer Name**

Name	ECM Value	Units
⚡ Maximum Diesel Particulate Filter Soot Load	Normal	
⚡ Number of Complete Regenerations	233	
⚡ Number of Incomplete Regenerations	0	
<input type="checkbox"/> 🚛 Fuel Used		
⚡ Average Fuel Economy	8.7	mpg
⚡ Average Fuel Rate	4.3	gph
⚡ Fuel Consumed for Aftertreatment Injection	94.2	gal
⚡ Fuel Used	19956.8	gal
⚡ Idle Fuel Used	684.4	gal
⚡ Loaded PTO Stationary Fuel Used	0.0	gal
⚡ PTO Device 1 Trip Fuel Used	0	gal
⚡ PTO Device 2 Trip Fuel Used	112	gal
⚡ PTO Device 3 Trip Fuel Used	0	gal
⚡ PTO Device 4 Trip Fuel Used	0	gal
⚡ PTO Device 5 Trip Fuel Used	0	gal
⚡ PTO Device 6 Trip Fuel Used	0	gal
⚡ PTO Device 7 Trip Fuel Used	0	gal
⚡ PTO Device 8 Trip Fuel Used	0	gal
⚡ PTO Fuel Used	141.2	gal
<input type="checkbox"/> 🚛 Multiple PTO		
⚡ PTO Speed 1 Device		
⚡ PTO Speed 2 Device		
⚡ PTO Speed 3 Device		
⚡ PTO Speed 4 Device		
⚡ PTO Speed 5 Device		
⚡ PTO Speed 6 Device		
⚡ PTO Speed 7 Device		
⚡ PTO Speed 8 Device		
<input type="checkbox"/> 🚛 Other		
⚡ Average Engine Load	34.0	Percent

Trip Information

Engine Serial Number :74061508
 Customer Unit Number :*****
 Work Order Name :WO-20190926-140450

INSITE - 8.0.0.402
 Company Name :Cummins Inc.
 ECM Image Name :I-20190926-141450257
 Customer Name :Customer Name**

Name	ECM Value	Units
⚡ Average Engine Speed	1493	RPM
⚡ Engine Protection Shutdown Manual Override	0	
⚡ Keyswitch Cycles	6074	
⚡ Maximum Engine Speed	3123	RPM
⚡ Number of Idle Shutdown Overrides	0	
⚡ Number of Idle Shutdowns	0	
Time		
⚡ ECM Time	4725:33:32	HH:MM:SS
⚡ Engine Protection Time Derated	1:00:02	HH:MM:SS
⚡ Engine Run Time	4612:43:02	HH:MM:SS
⚡ Fan On Time	172:52:13	HH:MM:SS
⚡ Fan Time Due To Air Conditioning Pressure Switch	125:23:24	HH:MM:SS
⚡ Fan Time Due To Engine Conditions	47:28:48	HH:MM:SS
⚡ Fan Time Due To Fan Control Switch	0:00:00	HH:MM:SS
⚡ Fan Time Without Vehide Speed	130:02:28	HH:MM:SS
⚡ Full Load Operation Time	356:14:15	HH:MM:SS
⚡ Idle Time	943:57:17	HH:MM:SS
⚡ Loaded PTO Stationary Time	0:00:00	HH:MM:SS
⚡ Percent Trip Time At Idle	20.4	Percent
⚡ PTO Device 1 Trip Time	00:01	HH:MM
⚡ PTO Device 2 Trip Time	69:39	HH:MM
⚡ PTO Device 3 Trip Time	00:00	HH:MM
⚡ PTO Device 4 Trip Time	00:00	HH:MM
⚡ PTO Device 5 Trip Time	00:00	HH:MM
⚡ PTO Device 6 Trip Time	00:00	HH:MM
⚡ PTO Device 7 Trip Time	00:00	HH:MM
⚡ PTO Device 8 Trip Time	00:00	HH:MM
⚡ PTO Time	152:52:09	HH:MM:SS
Trip Since Last Reset - Drive (Vehicle Speed >0)		
Distance		

Trip Information

Engine Serial Number :74061508
 Customer Unit Number :*****
 Work Order Name :WO-20190926-140450

INSITE - 8.0.0.402
 Company Name :Cummins Inc.
 ECM Image Name :I-20190926-141450257
 Customer Name :Customer Name**

Name	ECM Value	Units
◆ Coast Distance	11590.8	mi
◆ Cruise Control Distance	22265.6	mi
◆ ECM Distance	172981.5	mi
◆ Engine Brake Distance	5507.0	mi
◆ Engine Distance	172949.1	mi
◆ Gear Down Distance	12778.3	mi
◆ Loaded PTO Drive Distance	0.0	mi
◆ Maximum Accelerator Vehicle Speed Distance	10953.1	mi
◆ PTO Drive Distance	0.0	mi
◆ Service Brake Distance	6147.7	mi
◆ Top Gear Distance	149385.0	mi
◆ Trip Drive Distance	172949.1	mi
◆ Vehicle Overspeed 1 Distance	172972.8	mi
◆ Vehicle Overspeed 2 Distance	172972.8	mi
[-] Fuel Used		
◆ Coast Fuel Used	5.6	gal
◆ Cruise Control Fuel Used	2364.5	gal
◆ Drive Average Fuel Economy	9.1	mpg
◆ Drive Fuel Used	18908.8	gal
◆ Gear Down Fuel Used	1388.9	gal
◆ Loaded PTO Drive Fuel Used	0.0	gal
◆ Maximum Accelerator Vehicle Speed Fuel Used	1230.3	gal
◆ PTO Drive Fuel Used	0.0	gal
◆ Top Gear Fuel Used	15648.1	gal
◆ Vehicle Overspeed 1 Fuel Used	19045.6	gal
◆ Vehicle Overspeed 2 Fuel Used	19045.6	gal
[-] Other		
◆ Average Vehicle Speed	37	mph
◆ Drive Average Engine Speed	1887	RPM
◆ Drive Average Load	45.5	Percent

Engine Serial Number :74061508
 Customer Unit Number :*****
 Work Order Name :WO-20190926-140450

INSITE - 8.0.0.402
 Company Name :Cummins Inc.
 ECM Image Name :I-20190926-141450257
 Customer Name :Customer Name**

Name	ECM Value	Units
⚡ Drive Average Power	110	hp
⚡ Engine Brake Activations	82395	
⚡ Engine Brakes Percent Time	2.8	Percent
⚡ Maximum Accelerator Vehicle Speed	78	mph
⚡ Maximum Vehicle Speed	89	mph
⚡ Number of Sudden Decelerations	24	
⚡ Out of Gear Coasts	1	
⚡ Service Brake Actuations	247495	
<input type="checkbox"/> 📁 Time		
⚡ Coast Time	223:50:31	HH:MM:SS
⚡ Cruise Control Time	315:39:12	HH:MM:SS
⚡ Drive Time	3244:45:57	HH:MM:SS
⚡ Engine Brake Time	131:42:07	HH:MM:SS
⚡ Fan Time With Vehicle Speed	42:49:45	HH:MM:SS
⚡ Gear Down Time	347:15:12	HH:MM:SS
⚡ Loaded PTO Drive Time	0:00:00	HH:MM:SS
⚡ Maximum Accelerator Vehicle Speed Time	140:27:03	HH:MM:SS
⚡ Out of Gear Coast Time	0:01:11	HH:MM:SS
⚡ PTO Drive Time	0:00:31	HH:MM:SS
⚡ Service Brake Time	311:40:33	HH:MM:SS
⚡ Top Gear Time	2329:16:34	HH:MM:SS
⚡ Vehicle Overspeed 1 Time	3538:48:37	HH:MM:SS
⚡ Vehicle Overspeed 2 Time	3538:48:37	HH:MM:SS

Engine Dataplate Report

Engine Type	ISB 2013	Ecm Code	DT90319.11
Engine Serial Number	74061508	Software Phase	21.70.71.9
Unit Number	*****	Extraction Date	09-26-2019 01:54:04

ECM Information

Module Name	CM2350
Ecm Code	DT90319.11
Software Phase	21.70.71.9
ECM Serial Number	6156667
ECM Part Number	4358814

Engine Information

Engine Model	ISB 2013
Engine Build Date	091116
Engine Serial Number	74061508
Do Option	94352
SC Option	92052

Vehicle Information

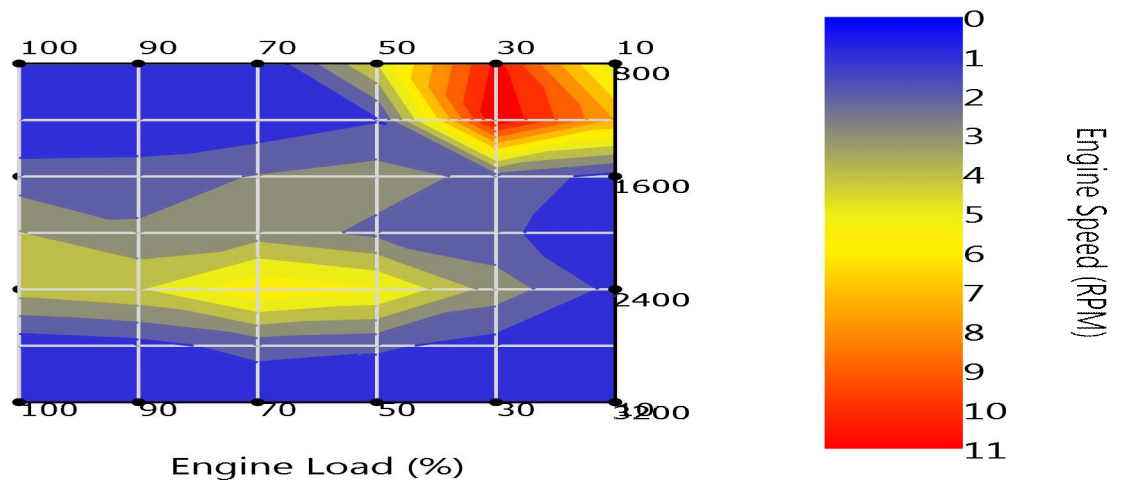
Vehicle Identification Number (VIN)	3ALACWDT7HDJD9595
Vehicle or Equipment Year	*****
OEM Vehicle Equipment Model	M2 106
Customer Name	CustomerName**
Customer Location	*****
Vehicle Unit Number	*****

Engine Duty Cycle Report

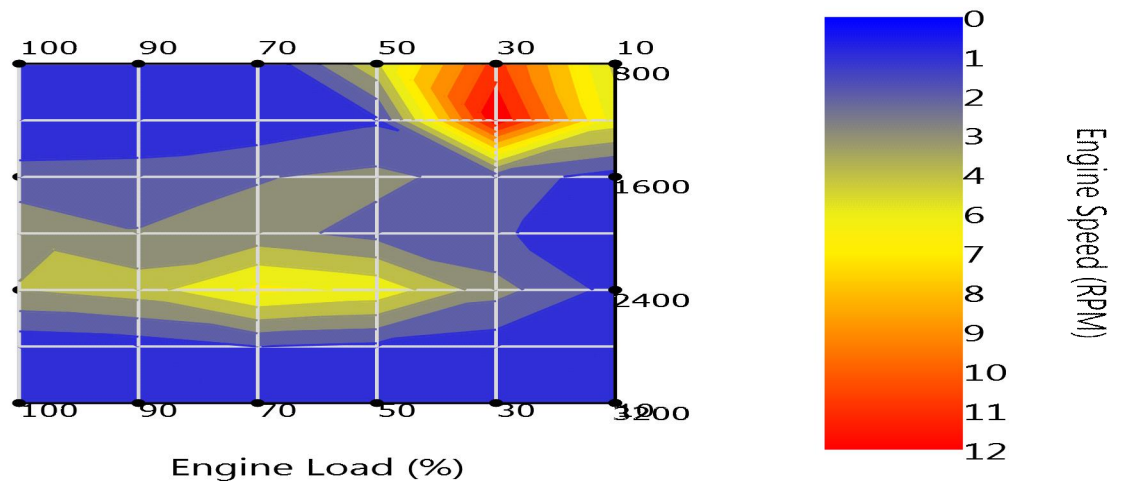
Engine Type	ISB 2013	Ecm Code	DT90319.11
Engine Serial Number	74061508	Software Phase	21.70.71.9
Unit Number	*****	Extraction Date	09-26-2019 01:54:41

Duty Cycle Report Graphs

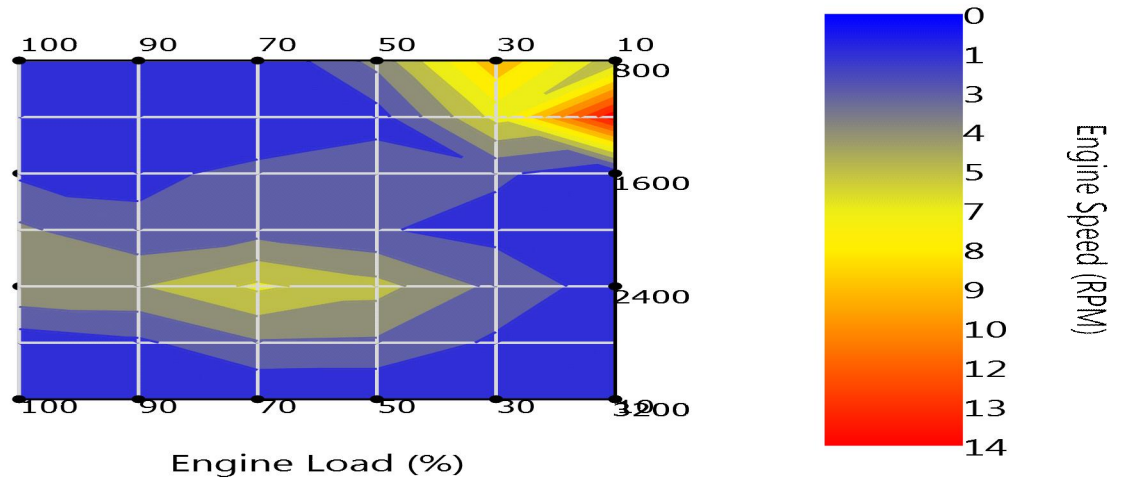
Duty Cycle Monitor - Long Term Map



Duty Cycle Monitor - Short Term Map 1



Duty Cycle Monitor - Short Term Map 2



Long Term Map

Long Term Map Start Time 3985:38:11
 Long Term Map Total Time 626:28:55

	800	1200	1600	2000	2400	2800	3200	INF
100	0.01%	0.03%	1.46%	3.04%	3.47%	0.34%	0%	0%
90	0.01%	0.09%	1.5%	2.16%	3.95%	0.63%	0%	0%
70	0.03%	0.29%	2.06%	2.52%	5.86%	1.41%	0%	0%
50	4.13%	0.93%	2.44%	1.77%	5.15%	1.18%	0%	0%
30	10.29%	10.92%	1.7%	1.18%	2.59%	0.59%	0%	0%
10	4.26%	7.02%	0.61%	0.39%	0.73%	0.19%	0%	0%
0	15.1%							0%

Short Term Map 1

Map 1 Start Time 3985:38:11
 Map 1 Total Time 500:00:00
 Map 1 Hours Remaining Time 00:00:00

	800	1200	1600	2000	2400	2800	3200	INF
100	0.01%	0.04%	1.55%	3.08%	3.38%	0.29%	0%	0%
90	0.01%	0.1%	1.62%	2.29%	3.96%	0.52%	0%	0%
70	0.04%	0.3%	2.16%	2.63%	5.94%	1.12%	0%	0%
50	4.38%	0.97%	2.51%	1.85%	5.33%	0.86%	0%	0%
30	10.61%	12.23%	1.74%	1.26%	2.66%	0.46%	0%	0%
10	4.2%	5.14%	0.63%	0.42%	0.76%	0.15%	0%	0%
0	14.8%							0%

Short Term Map 2

Map 2 Start Time 4485:43:41
 Map 2 Total Time 126:28:55
 Map 2 Hours Remaining Time 373:31:05

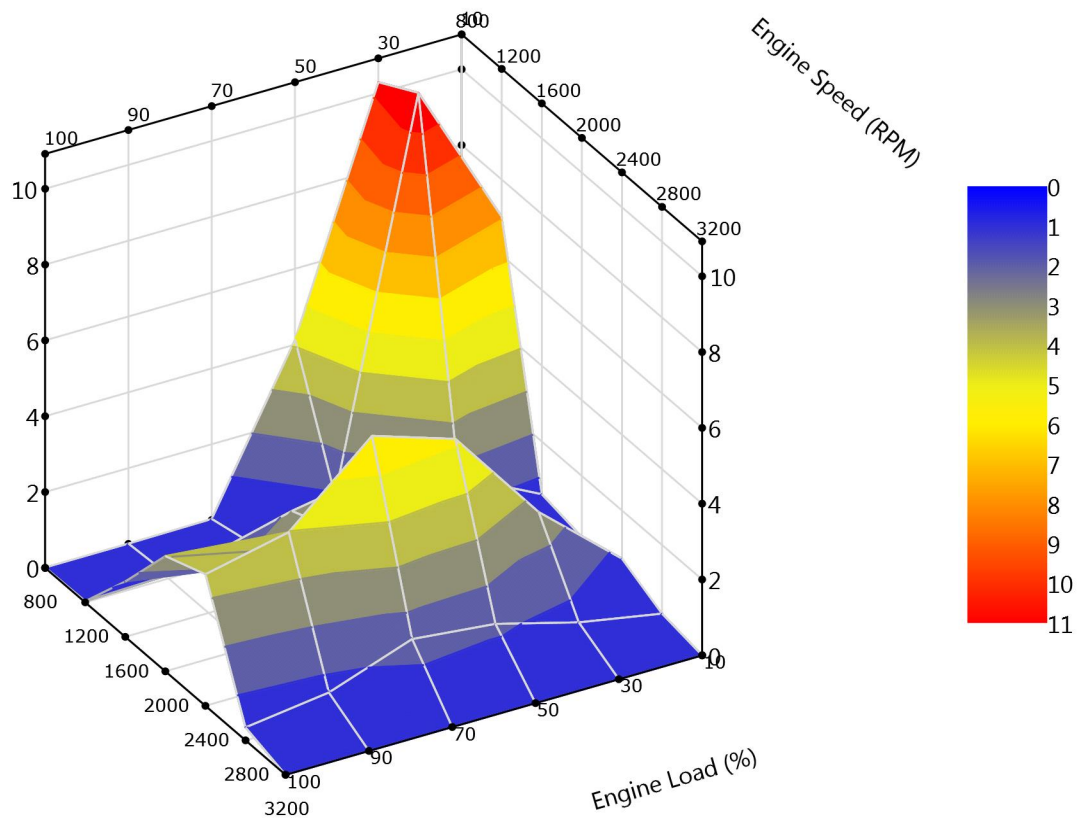
	800	1200	1600	2000	2400	2800	3200	INF
100	0.01%	0.02%	1.1%	2.87%	3.83%	0.51%	0%	0%
90	0%	0.09%	1.01%	1.62%	3.9%	1.06%	0%	0%
70	0.02%	0.23%	1.67%	2.1%	5.53%	2.53%	0%	0%
50	3.14%	0.75%	2.17%	1.43%	4.45%	2.44%	0%	0%
30	9.04%	5.76%	1.53%	0.85%	2.33%	1.07%	0%	0%
10	4.49%	14.41%	0.52%	0.28%	0.62%	0.33%	0%	0%
0	16.28%							0%

Engine Duty Cycle Report

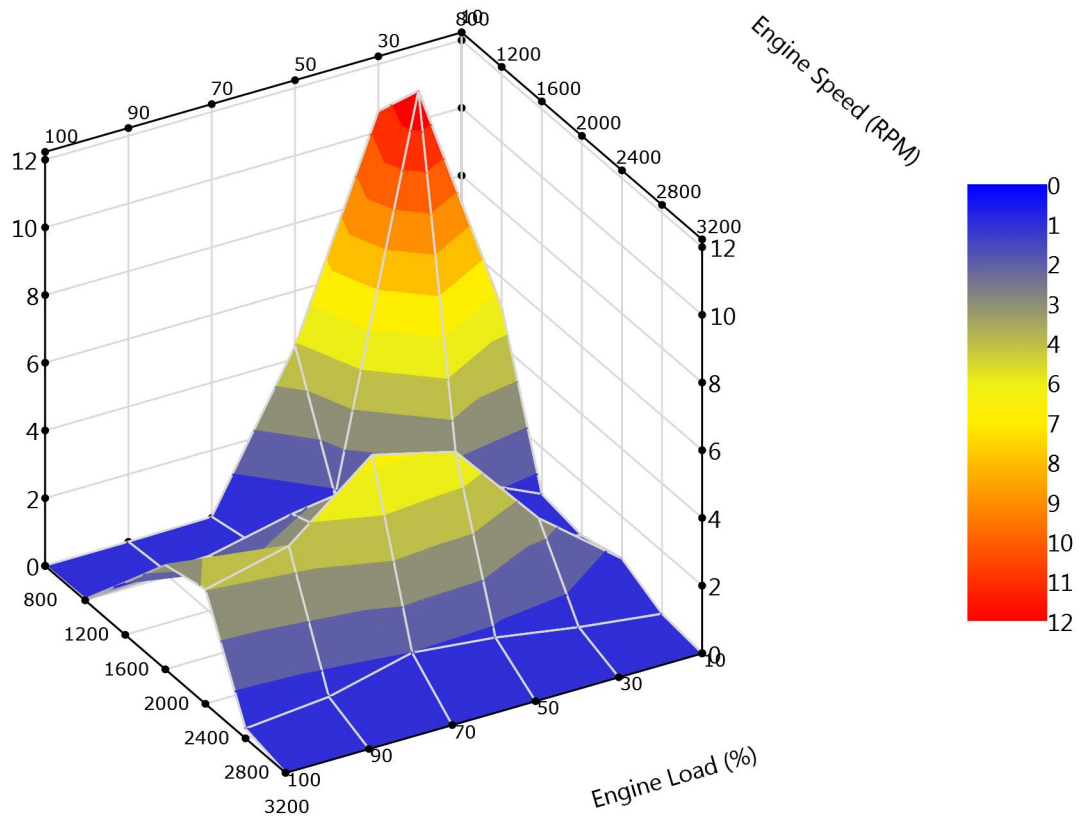
Engine Type	ISB 2013	Ecm Code	DT90319.11
Engine Serial Number	74061508	Software Phase	21.70.71.9
Unit Number	*****	Extraction Date	09-26-2019 01:54:41

Duty Cycle Report Graphs

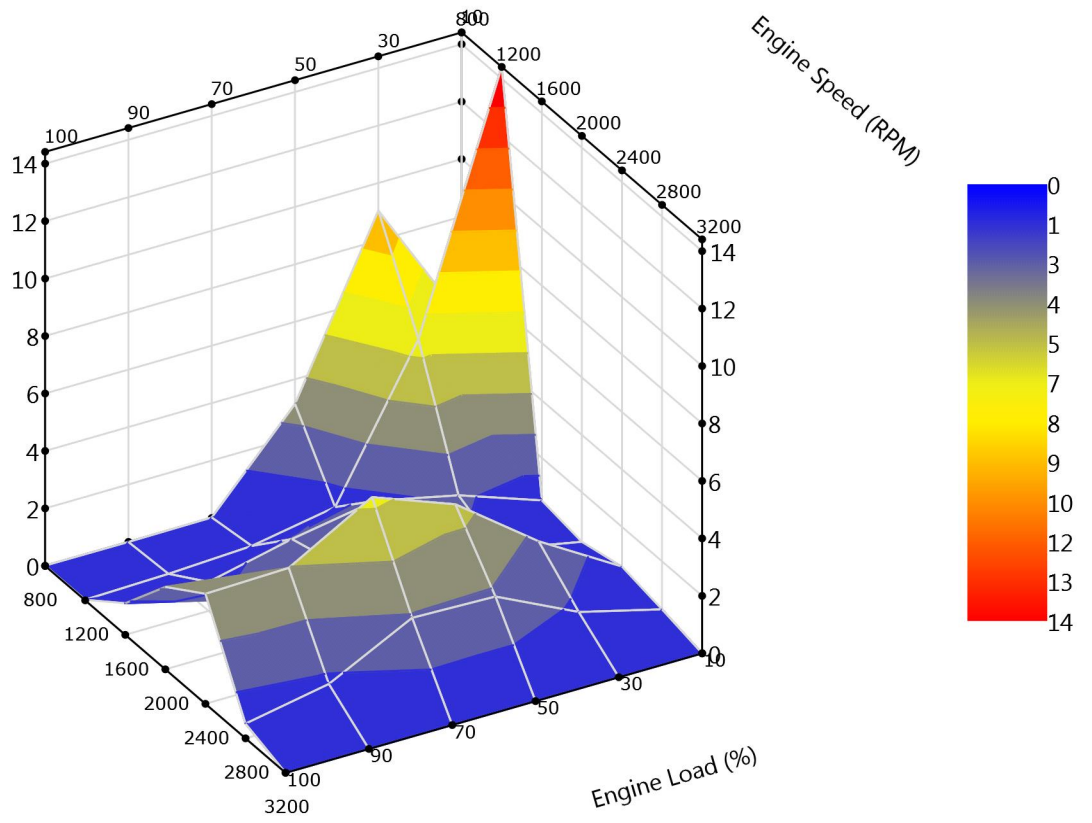
Duty Cycle Monitor - Long Term Map



Duty Cycle Monitor - Short Term Map 1



Duty Cycle Monitor - Short Term Map 2



Long Term Map

Long Term Map Start Time 3985:38:11
 Long Term Map Total Time 626:28:55

	800	1200	1600	2000	2400	2800	3200	INF
100	0.01%	0.03%	1.46%	3.04%	3.47%	0.34%	0%	0%
90	0.01%	0.09%	1.5%	2.16%	3.95%	0.63%	0%	0%
70	0.03%	0.29%	2.06%	2.52%	5.86%	1.41%	0%	0%
50	4.13%	0.93%	2.44%	1.77%	5.15%	1.18%	0%	0%
30	10.29%	10.92%	1.7%	1.18%	2.59%	0.59%	0%	0%
10	4.26%	7.02%	0.61%	0.39%	0.73%	0.19%	0%	0%
0	15.1%							0%

Short Term Map 1

Map 1 Start Time 3985:38:11
 Map 1 Total Time 500:00:00
 Map 1 Hours Remaining Time 00:00:00

	800	1200	1600	2000	2400	2800	3200	INF
100	0.01%	0.04%	1.55%	3.08%	3.38%	0.29%	0%	0%
90	0.01%	0.1%	1.62%	2.29%	3.96%	0.52%	0%	0%
70	0.04%	0.3%	2.16%	2.63%	5.94%	1.12%	0%	0%
50	4.38%	0.97%	2.51%	1.85%	5.33%	0.86%	0%	0%
30	10.61%	12.23%	1.74%	1.26%	2.66%	0.46%	0%	0%
10	4.2%	5.14%	0.63%	0.42%	0.76%	0.15%	0%	0%
0	14.8%							0%

Short Term Map 2

Map 2 Start Time 4485:43:41
 Map 2 Total Time 126:28:55
 Map 2 Hours Remaining Time 373:31:05

	800	1200	1600	2000	2400	2800	3200	INF
100	0.01%	0.02%	1.1%	2.87%	3.83%	0.51%	0%	0%
90	0%	0.09%	1.01%	1.62%	3.9%	1.06%	0%	0%
70	0.02%	0.23%	1.67%	2.1%	5.53%	2.53%	0%	0%
50	3.14%	0.75%	2.17%	1.43%	4.45%	2.44%	0%	0%
30	9.04%	5.76%	1.53%	0.85%	2.33%	1.07%	0%	0%
10	4.49%	14.41%	0.52%	0.28%	0.62%	0.33%	0%	0%
0	16.28%							0%

Engine Feature Settings Report

Engine Type	ISB 2013	Ecm Code	DT90319.11
Engine Serial Number	74061508	Software Phase	21.70.71.9
Unit Number	*****	Extraction Date	09-26-2019 01:52:48

Fuel Economy

Road Speed Governor

Road Speed Governor	Enable	
Maximum Accelerator Vehicle Speed	78	mph
Road Speed Governor Lower Droop	0.00	mph
Road Speed Governor Upper Droop	0.00	mph
Global Maximum Vehicle Speed	90	mph

Geardown Protection

Gear Down Protection	Disable	
Gear Down Protection Heavy Load Vehicle Speed	71	mph
Gear Down Protection Light Load Vehicle Speed	68	mph

Idle Speed Control

Low Idle Speed	750	rpm
Low Idle Speed Adjustment Switch	Disable	

Idle Shutdown

Idle Shutdown Enable	Disable	
Idle Shutdown Timer	01:00:00	hh:mm:ss
Idle Shutdown Ambient Air Temperature Override	Disable	
Idle Shutdown Hot Ambient Air Temperature	81	°F
Idle Shutdown Intermediate Ambient Air Temperature	39	°F
Idle Shutdown Cold Ambient Air Temperature	30	°F
Idle Shutdown Manual Override Inhibit Zone	Disable	
Idle Shutdown Hot Ambient Temperature Automatic Override	Disable	
Idle Shutdown Manual Override	Disable	
Idle Shutdown in PTO	Disable	
Idle Shutdown Percent Engine Loading	100	%

Idle Shutdown

Idle Shutdown Warning Period	00:00:30	hh:mm:ss
Idle Shutdown Relay	Disable	
Idle Shutdown with Parking Brake Set	Disable	

Fan Control

Minimum Fan On Time for Air Conditioning Pressure Switch	30	sec
Fan on with Engine Braking	Disable	
Fan Control Vehicle Speed Interaction	Enable	
Fan Control Switch	Disable	
Fan Type	Discrete	
Fan Control Logic	0 Volts ON	
Variable Speed Fan Frequency	200	Hz
Air Conditioning Pressure Switch Input	Enable	

Driver Satisfaction

Cruise Control

Cruise Control Feature	Enable	
Maximum Cruise Control Speed	78	mph
Cruise Control Lower Droop	0.0	mph
Cruise Control Upper Droop	0.0	mph
Cruise Control Save Set Speed	Disable	
Cruise Control Auto-Resume	Disable	

Engine Brake

Engine Brake Control	Enable	
Engine Brake Minimum Vehicle Speed	10	mph
Cruise Control and Engine Brake Interaction	Disable	
Start Minimum Engine Braking	0.0	mph
Start Maximum Engine Braking	0.0	mph
Engine Brake Service Brake Activation	Disable	
Engine Brake Delay Time	0.5	sec
Engine Brake Type	Exhaust Brake	
Engine Brake Clutch Pedal Activation	Enable	

Accelerator Control

Governor Type	Automotive
Remote Accelerator Pedal or Lever	Disable

Adaptive Cruise Control

Adaptive Cruise Control	Disable
Adaptive Cruise Recovery	Key Cycle Required

Reserve Speed

Reserve Speed	Disable	
Speed Increase	3	mph
Override Distance	47	mi

Asset Utilization

PTO/Remote PTO

PTO Feature	Enable	
PTO Maximum Engine Load	800	ft*lb
PTO Service Brake Override	Enable	
PTO Maximum Vehicle Speed	5	mph
PTO Maximum Speed	1100	rpm
PTO Minimum Speed	700	rpm
PTO Accelerator Override	Disable	
PTO Accelerator Override Max Eng Speed	3000	rpm
PTO Set Switch Engine Speed	700	rpm
PTO Resume Engine Speed	800	rpm
PTO Additional Switch Engine Speed	950	rpm
PTO Engine Speed Ramp Rate	250	rpm/s
PTO Clutch Override	Disable	
PTO Remote Enable	Disable	
Remote PTO Number of Speed Settings	One	
Remote PTO Speed Setting 1	950	rpm
Ignore Vehicle Speed Source In PTO	Disable	
Alternate PTO Operation	Disable	
PTO Zero Vehicle Speed Source Limit	Disable	

PTO/Remote PTO

PTO Transmission Neutral Interlock	Disable
------------------------------------	---------

Aftertreatment

DPF Active Regeneration in PTO and remote Modes	Disable
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Maintenance Monitor

Maintenance Monitor	Disable	
Maintenance Monitor Operating Mode	Automatic	
Maintenance Monitor Fuel Interval	2000	gal
Maintenance Monitor Interval Factor	1.00	
Maintenance Monitor Distance Interval	15000	mi
Maintenance Monitor Time Interval	500	hrs
Maintenance Monitor Alert Percentage	90	%

Asset Management

Trip Information

Trip Information Vehicle Overspeed 1	0	mph
Trip Information Vehicle Overspeed 2	0	mph
Sudden Deceleration Rate	9.0	mph/s

Asset Protection

Engine Protection Shutdown

Engine Protection Shutdown	Enable
Engine Protection Restart Inhibit	Enable
Engine Protection Shutdown Override	Disable

Anti-Tampering Measure

Maximum Engine Speed Without Vehicle Speed Source (VSS)	3000	rpm
---	------	-----

Password Security

Current Engine Master Password	
Engine Reset Password	

After-Treatment

High Soot Load Idle Shutdown	Enable
Automatic Stationary DPF Regeneration	Disable

After-Treatment

Diesel Particulate Filter Mobile Regeneration Vehicle Speed Threshold Enable	Enable	
DPF Mobile Regeneration Vehicle Speed Threshold	25	mph
Diesel Particulate Filter Regeneration Lamp	Enable	
Diesel Particulate Filter Regeneration Permit Switch	Disable	
Diesel Particulate Filter Regeneration Start Switch	Enable	
Active Temperature	977	°F
Inactive Temperature	932	°F
Active Maximum Speed	5	mph

Vehicle Setup

Driveline Configuration

Rear Axle Ratio	5.13	
Tire Size	517	rev/mi
Transmission Top Gear Ratio	0.71	ratio
Transmission One Gear Down Ratio	1.00	ratio
Vehicle Acceleration Management Enable	Disable	
VAM Acceleration Rate 1	3.61	mph/s
VAM Acceleration Rate 2	3.61	mph/s
VAM Vehicle Speed 1	20	mph
VAM Vehicle Speed 2	50	mph

Switch Maximum Engine Speed

Switched Maximum Engine Speed	Disable	
Switched Maximum Operating Speed	2800.00	rpm

Cruise Control Switch

Set/Resume Switch Usage	Set/Coast (Resume/ Accelerate)
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OEM Ambient Air Temperature Sensor

OEM Ambient Air Temperature Sensor	Enable
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Vehicle Setup Parameters

Clutch Switch	Not Installed
J1939 Controls	Enable

Vehicle Setup Parameters

J1939 Service Reset	Enable
J1939 Stop Broadcast Allowed	Enable
J1939 Trip Reset	Enable
# of Transmission Tailshaft Gear Teeth	16
Rear Axle Ratio Switch	Single Speed
Vehicle Speed Sensor Type	Data Link - Tailshaft

Transmission Setup

Transmission Type	Automatic
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Multiplexing

Multiplex Accelerator Interlock Switch	Disable
Accelerator Interlock Switch Multiplex Address	254
Multiplex Accelerator Pedal or Lever Position	0
Accelerator Pedal Position Multiplex Address	254
Multiplex Air Conditioner Pressure Switch	Disable
Air Conditioner Pressure Switch	254
Multiplexed Aftertreatment Regeneration Start Switch	Enable
Aftertreatment Regeneration Switch Multiplexed Address	33
Multiplexed Aftertreatment Regeneration Permit Switch	Disable
Aftertreatment Permit Regeneration Switch Multiplexed Address	254
Multiplex Auxiliary Shutdown Switch	Disable
Aux Shutdown Switch Mux Address	254
Multiplex Clutch Pedal Position Switch	Disable
Clutch Pedal Position Switch	254
Multiplex Cruise Control On/Off Switch	Disable
Cruise Control On/Off Switch Multiplex Address	254
Multiplex Cruise Control Resume Switch	Disable
Cruise Control Resume Switch Multiplex Address	254
Multiplex Cruise Control Set Switch	Disable
Cruise Control Set Switch Mux Address	254

Multiplexing

Multiplex Diagnostic Test Mode Switch	Enable
Diagnostic Test Mode Switch	33
Multiplex Engine Brake Switch Level	Enable
Engine Brake Switch Level Mux Address	33
Multiplex Fan Control Switch	Disable
Fan Control Switch Multiplex Address	254
Multiplex Idle Decrement Switch	Disable
Idle Decrement Switch Mux Address	254
Multiplex Idle Increment Switch	Disable
Idle Increment Switch Mux Address	254
Multiplex Idle Validation Switch	Disable
Idle Validation Switch Multiplex Address	254
Multiplex Parking Brake Switch	Enable
Parking Brake Mux Address	33
Multiplex PTO On/Off Switch	Disable
PTO On/Off Switch Mux Address	254
Multiplex PTO Resume Switch	Disable
PTO Resume Switch Multiplex Address	254
Multiplex PTO Set Switch	Disable
PTO Set Switch Multiplex Address	254
Multiplex Remote PTO Switch	Disable
Remote PTO Switch Multiplex Address	254
Multiplex Remote Accelerator Switch	Disable
Remote Accelerator Pedal or Lever Switch	254
Multiplex Remote Accelerator Pedal or Lever	Disable
Remote Accelerator Pedal or Lever	254
Multiplex Service Brake Switch	Enable
Service Brake Switch Multiplex Address	33
Multiplex Torque Derate Switch	Disable
Torque Derate Multiplex Address	254

Engine Trip Summary Report

Engine Type	ISB 2013	Ecm Code	DT90319.11
Engine Serial Number	74061508	Software Phase	21.70.71.9
Unit Number	*****	Extraction Date	09-26-2019 01:50:06

Fuel Economy

Overall Fuel Economy	8.66	mpg
Drive Fuel Economy	9.14	mpg
Top Gear Fuel Economy	9.55	mpg
Gear Down Fuel Economy	9.20	mpg
Cruise Fuel Economy	9.42	mpg
Idle Fuel Rate	0.73	gal/hr
PTO Fuel Rate	0.92	gal/hr

Distance

Trip Distance	172949.46	mi
% Top Gear Distance	86.4	%
% Gear Down Distance	7.4	%
% Cruise Control Distance	12.9	%
% Maximum Accelerator Speed Distance	6.3	%

Time

Trip Drive Time	3244:45:57	hh:mm:ss
Trip Time	4612:43:02	hh:mm:ss
% Idle Time	20.5	%
% PTO Time	3.3	%
% Fan On Time	3.7	%

Maximums

Maximum Vehicle Speed	89	mph
Maximum Engine Speed	3123	rpm

Counts

Counts

Number of Coasts Out of Gear	1	
Sudden Deceleration Counts	24	
Engine Protection Shutdown Overrides	0	
Service Brake Actuations / 1Kmi	1431	
Key Switch Cycle / 1K	6074	
Idle Shutdown	0	
Idle Shutdown Overrides	0	
Number of Trip Resets	0	

Aftertreatment

Trip Complete Regenerations	233	
Trip Incomplete Regenerations	0	
Trip Peak Soot Filter Delta Pressure	1.36	psi

Averages

Average Vehicle Speed	37	mph
Average Vehicle Speed (Drive)	53	mph
Average Vehicle Speed (Top Gear)	46	mph
Average Engine Load	34.0	%
Drive Average Load Factor	45.5	%
Average Engine Speed	1493	rpm
Average Engine Speed (Drive)	1887	rpm
Average Engine Power (Drive)	110	hp

Trip Vehicle Overspeed 1

Trip Vehicle Overspeed 1 Fuel Economy	9.08	mpg
% Overspeed 1 Time	109.1	%
% Overspeed 1 Distance	100.0	%

Trip Vehicle Overspeed 2

Trip Vehicle Overspeed 2 Fuel Economy	9.08	mpg
% Overspeed 2 Time	109.1	%
% Overspeed 2 Distance	100.0	%

Engine Trip Detail Report

Engine Type	ISB 2013	Ecm Code	DT90319.11
Engine Serial Number	74061508	Software Phase	21.70.71.9
Unit Number	*****	Extraction Date	09-26-2019 01:50:06

Trip Summary

Distance	172949.46 mi	Time	4612:43:02
Fuel	19956.61 gal	Idle Time	943:57:17
Fuel Economy	8.66 mpg	% Idle Time	20.5 %
Drive Fuel Economy	9.14 mpg	Average Vehicle Speed	37 mph
Fuel Consumption	8.67 gal	Average Engine Load	34.0 %
Idle Fuel	684.43 gal	Average Engine Load (Drive)	45.5 %
		Average Engine Speed	1493 rpm

Trip Detail	Time (%)	Time (hh:mm:ss)	Distance (miles)	Fuel (gallons)
Trip	100	4612:43:02	172949.46	19956.61
Driving	70.3	3244:45:57	172949.44	18908.68
Cruise	9.7	315:39:12	22265.67	2364.44
Top Gear	50.5	2329:16:34	149385.25	15647.97
Gear Down	7.5	347:15:12	12778.37	1388.87
Max Accelerator Speed	3.0	140:27:03	10953.14	1230.29
PTO	3.3	152:52:09	0.02	141.24
PTO Moving	0.0	00:00:31	0.02	0.01
Coast	4.9	223:50:31	11590.8	5.6
Idle	20.5	943:57:17	N/A	684.43
Trip Vehicle Overspeed 1	76.7	3538:48:37	172973.09	19045.42
Trip Vehicle Overspeed 2	76.7	3538:48:37	172973.09	19045.42
Fan On Time Manual Switch	0.0	00:00:00	N/A	N/A

Driver Reward	Time (%)	Time(hh:mm:ss)	Distance	Fuel
Reward (Best)	0.0	00:00:00	0.00	0.00
Reward (Good)	0.0	00:00:00	0.00	0.00
Reward (Expected)	0.0	00:00:00	0.00	0.00
Reward (Penalty)	0.0	00:00:00	0.00	0.00

Counts

Service Brake Applications	247495
Sudden Deceleration Counts	24
Number of Coasts Out of Gear	1

Aftertreatment

Trip Desired Regenerations	313
Trip Complete Regenerations	233
Trip Incomplete Regenerations	0
Trip Fuel Used For Dosing	94.24 gal
Trip Diesel Exhaust Fluid Used	381.47 gal
Total Peak Soot Fill Monitor Status	Normal
Trip Peak Soot Filter Delta Pressure	1.36 psi

Maximums

Maximum Engine Speed	3123 rpm
Maximum Vehicle Speed	89 mph
Maximum Engine Speed at Vehicle Speed	2803 rpm
Maximum Vehicle Speed at Engine Speed	99 mph

Totals

Total Engine Distance	172946.76 mi
Engine Distance Offset	0.00 mi
Total Engine Hours	4612:13:47 hh:mm:ss
Total ECM Distance	172981.83 mi
Total Fuel Used	20054.31 gal
Total Idle Fuel Used	684.43 gal
Total Idle Time	943:57:00 hh:mm:ss
Total PTO Fuel Used	93.68 gal
Total PTO Time	152:52:12 hh:mm:ss
Total Complete Regenerations	233
Total Desired Regenerations	313
Total Fuel Used For Dosing	95.07 gal
Total Incomplete Regenerations	0
Total Peak Soot Fill Monitor Status	Normal
Total Peak Soot Filter Delta Pressure	1.36 psi

Engine Trip Detail Report (One Page)

Engine Type	ISB 2013	Ecm Code	DT90319.11
Engine Serial Number	74061508	Software Phase	21.70.71.9
Unit Number	*****	Extraction Date	09-26-2019 01:50:06
Total Engine Distance	172946.76 mi	Total Engine Hours	4612:13:47 hh:mm:ss
Total Fuel Used	20054.31 gal	Total Idle Fuel Used	684.43 gal

Trip Summary

Distance	172949.46 mi	Average Engine Speed	1493 rpm
Fuel	19956.61 gal	Average Vehicle Speed	37 mph
Fuel Economy	8.66 mpg	Average Engine Load	34.0 %
Drive Fuel Economy	9.14 mpg	Maximum Vehicle Speed	89 mph
Time	4612:43:02	Maximum Engine Speed	3123 rpm

Trip Detail	Time (%)	Time(hh:mm:ss)	Distance (miles)	Fuel (gallons)
Trip	100	4612:43:02	172949.46	19956.61
Driving	70.3	3244:45:57	172949.44	18908.68
Cruise	9.7	315:39:12	22265.67	2364.44
Top Gear	50.5	2329:16:34	149385.25	15647.97
Gear Down	7.5	347:15:12	12778.37	1388.87
Max Accelerator Speed	3.0	140:27:03	10953.14	1230.29
PTO	3.3	152:52:09	0.02	141.24
PTO Moving	0.0	00:00:31	0.02	0.01
Coast	4.9	223:50:31	11590.8	5.6
Idle	20.5	943:57:17	N/A	684.43
Trip Vehicle Overspeed 1	76.7	3538:48:37	172973.09	19045.42
Trip Vehicle Overspeed 2	76.7	3538:48:37	172973.09	19045.42
Fan On Time Manual Switch	0.0	00:00:00	N/A	N/A

Counts

Aftertreatment

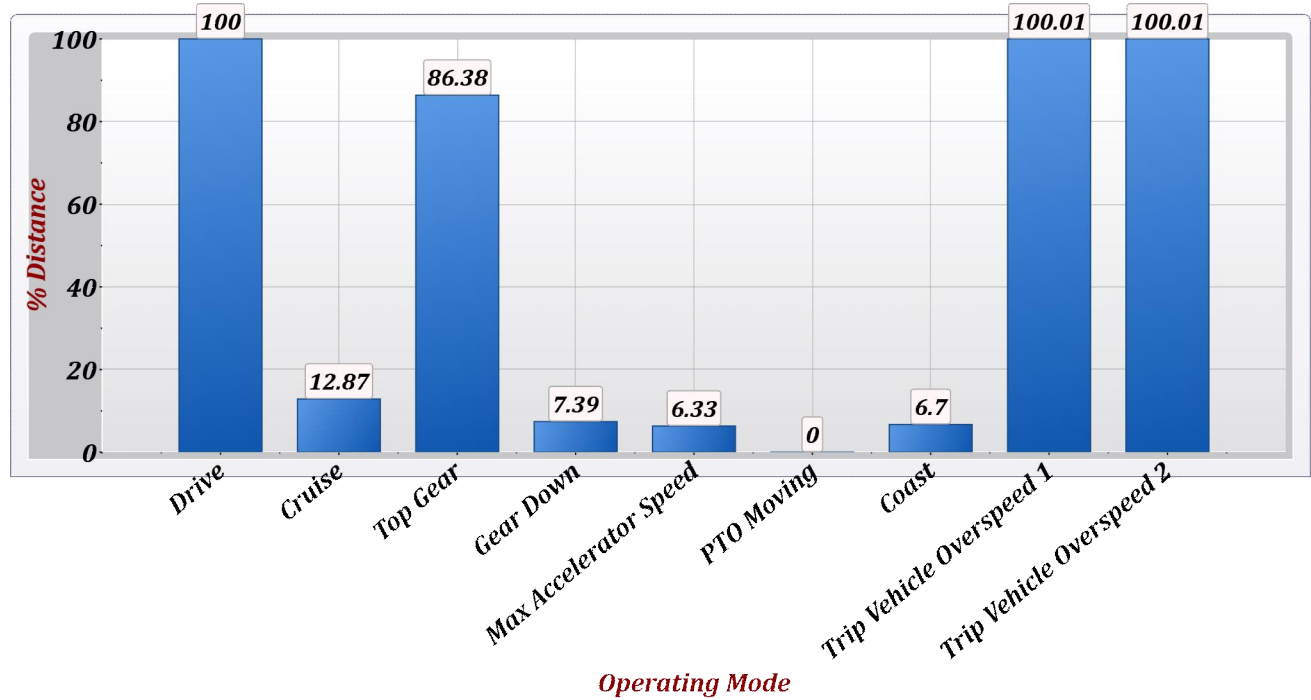
Service Brake Actuations / 1K	1431	Trip Fuel Used For Dosing	95.07 gal
Total Number of Sudden Decel	24	Diesel Exhaust Fluid Used	381.47 gal
Number of Coasts Out of Gear	1	Total Complete Regenerations	233
Service Brake Applications	247495	Total Peak Soot Fill Monitor Status	Normal
Idle Shutdown	0	Total Peak Soot Filter Delta Pressure	1.36 psi

Engine Trip Operating Mode Report

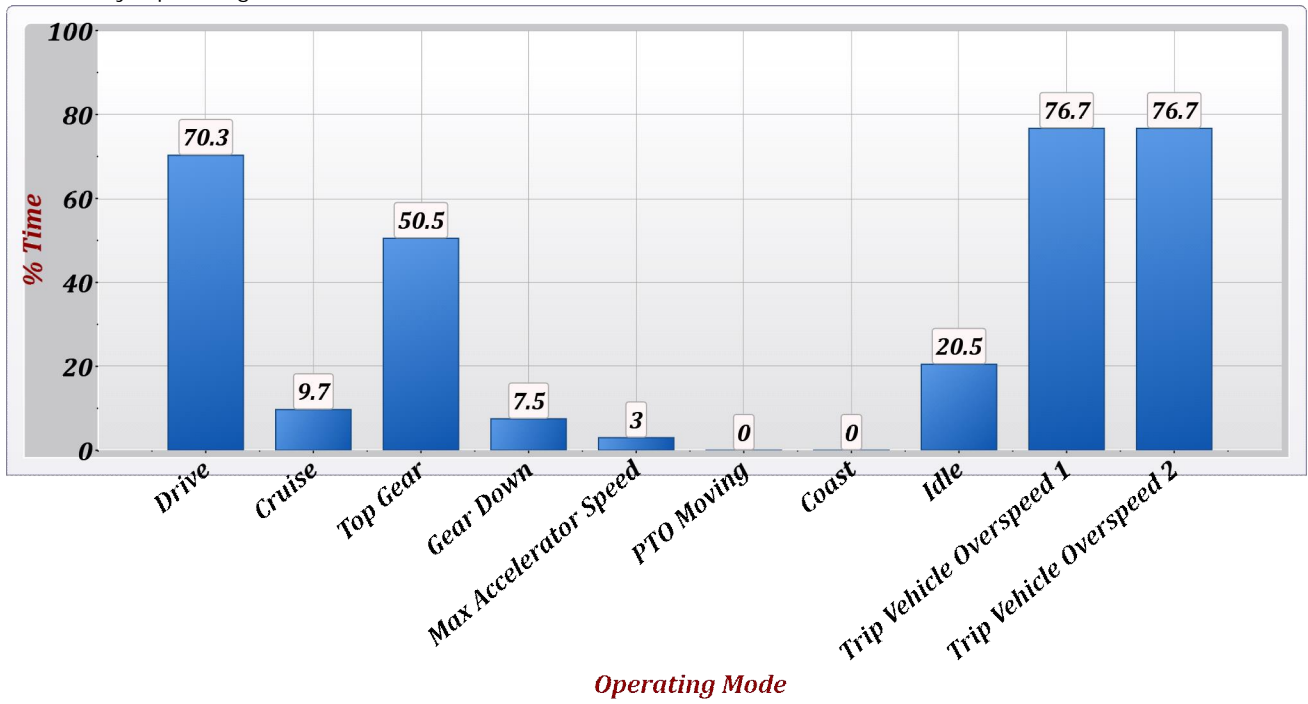
Engine Type	ISB 2013	Ecm Code	DT90319.11
Engine Serial Number	74061508	Software Phase	21.70.71.9
Unit Number	*****	Extraction Date	09-26-2019 01:50:06

Operating Mode Graphs

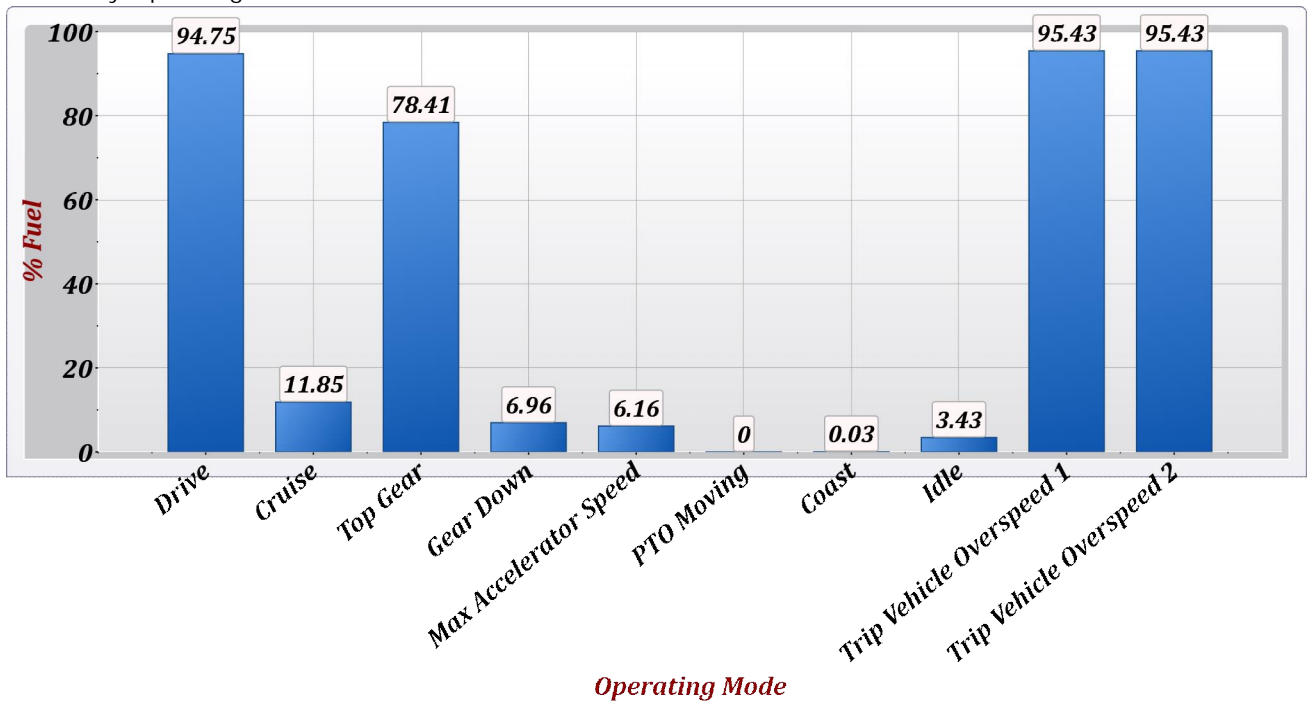
% Distance by Operating Mode



% Time by Operating Mode



% Fuel by Operating Mode



Trip Summary

Distance	172949.46 mi	Time	4612:43:02
Fuel	19956.61 gal	Idle Time	943:57:17
Fuel Economy	8.66 mpg	% Idle Time	20.5 %
Drive Fuel Economy	9.14 mpg	Average Vehicle Speed	37 mph
Fuel Consumption	8.67 gal	Average Engine Load	34.0 %
Idle Fuel	684.43 gal	Average Engine Load (Drive)	45.5 %
		Average Engine Speed	1493 rpm

Trip Detail	Time (%)	Time (hh:mm:ss)	Distance (miles)	Fuel (gallons)
Trip	100	4612:43:02	172949.46	19956.61
Driving	70.3	3244:45:57	172949.44	18908.68
Cruise	9.7	315:39:12	22265.67	2364.44
Top Gear	50.5	2329:16:34	149385.25	15647.97
Gear Down	7.5	347:15:12	12778.37	1388.87
Max Accelerator Speed	3.0	140:27:03	10953.14	1230.29
PTO	3.3	152:52:09	0.02	141.24
PTO Moving	0.0	00:00:31	0.02	0.01
Coast	4.9	223:50:31	11590.8	5.6
Idle	20.5	943:57:17	N/A	684.43
Trip Vehicle Overspeed 1	76.7	3538:48:37	172973.09	19045.42
Trip Vehicle Overspeed 2	76.7	3538:48:37	172973.09	19045.42
Fan On Time Manual Switch	0.0	00:00:00	N/A	N/A

Engine Fault Report

Engine Type	ISB 2013	Ecm Code	DT90319.11
Engine Serial Number	74061508	Software Phase	21.70.71.9
Unit Number	*****	Extraction Date	09-26-2019 01:49:30

Active Fault Codes Description	Fault Code	Count
Ambient Air Temperature Sensor 1 Circuit - Voltage Above Normal or Shorted to High Source	249	1

Inactive Fault Codes Description	Fault Code	Count
Aftertreatment Diesel Exhaust Fluid Quality - Data Valid But Below Normal Operating Range - Moderately Severe Level	3867	1
Aftertreatment 1 Diesel Exhaust Fluid Tank Level Sensor - Abnormal Rate of Change	4769	2
Engine Protection Torque Derate - Condition Exists	3714	2
Fuel Level 1 - Abnormal Update Rate	6339	1
SAE J1939 Multiplexing PGN Timeout Error - Abnormal Update Rate	285	2
Aftertreatment 1 SCR Conversion Efficiency - Condition Exists	5655	2

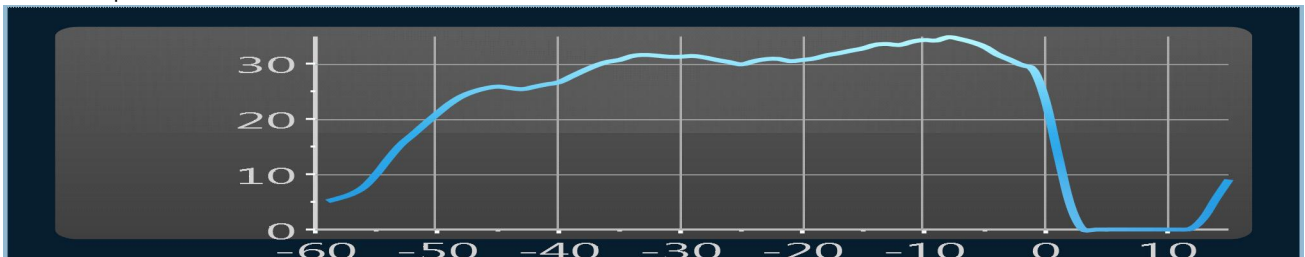
Sudden Vehicle Speed Deceleration Report Record 1

Engine Type	ISB 2013	Ecm Code	DT90319.11
Engine Serial Number	74061508	Software Phase	21.70.71.9
Unit Number	*****	Extraction Date	09-26-2019 01:46:28
Sudden Decel Threshold	9.01 mph/s	ECM Run time	4894:3:28

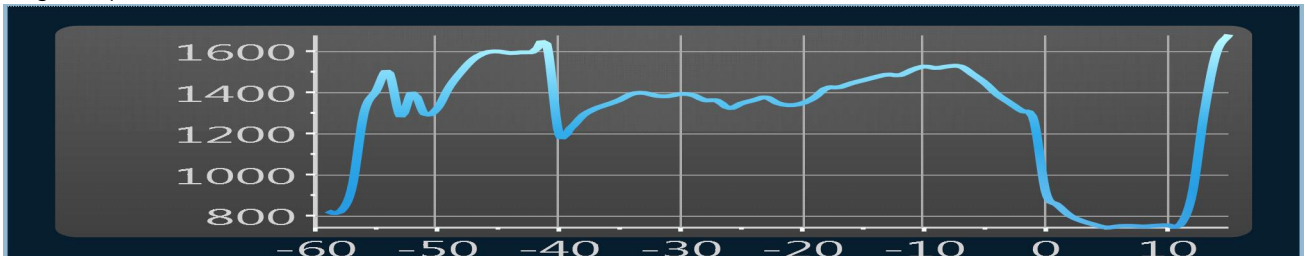
Rate:

Occurrence Date: N/A	ECM Run Time at Occurrence: 4614:22:22
Air Temperature (°F) at Occurrence: 86	Occurrence Distance (mi): 163449.2

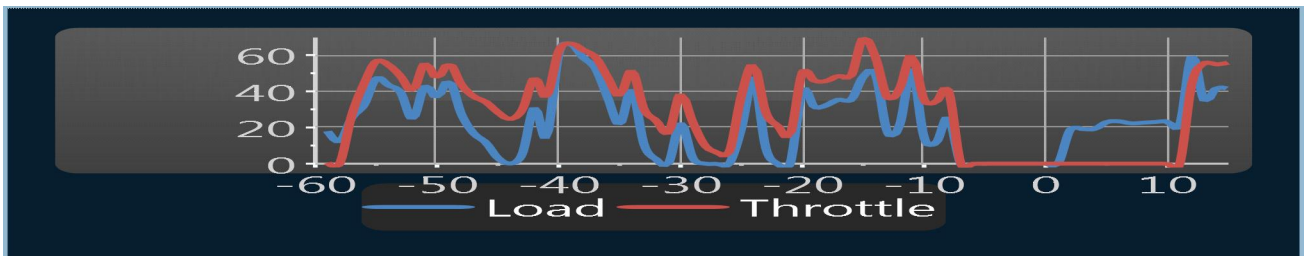
Vehicle Speed



Engine Speed



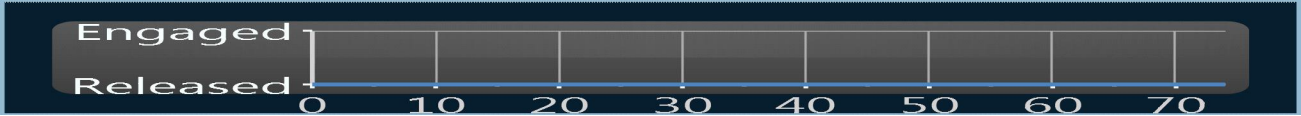
Percent



Brake



Clutch



Record 1

Time (Seconds)	Vehicle Speed (mph)	Engine Speed (rpm)	Engine Load (%)	Throttle (%)	Brake Status	Clutch Status	Cruise Status	Lamp Status
-59	5	823	18.0	0.5	-	-	-	-
-58	6	817	12.1	0.0	-	-	-	-
-57	6	934	25.4	27.0	-	-	-	-
-56	8	1301	32.4	44.1	-	-	-	-
-55	10	1407	47.3	56.7	-	-	-	-
-54	13	1503	43.4	54.6	-	-	-	-
-53	15	1281	39.5	48.4	-	-	-	-
-52	17	1404	24.6	40.1	-	-	-	-
-51	19	1292	43.4	55.6	-	-	-	-
-50	21	1321	36.3	47.2	-	-	-	-
-49	23	1425	46.1	55.5	-	-	-	-
-48	24	1501	27.3	43.7	-	-	-	-
-47	25	1562	16.8	37.2	-	-	-	-
-46	26	1593	11.7	34.1	-	-	-	-
-45	26	1599	3.1	28.4	-	-	-	-
-44	26	1591	0.0	24.5	-	-	-	-
-43	25	1595	5.5	29.9	-	-	-	-
-42	26	1597	31.3	47.4	-	-	-	-
-41	26	1635	14.5	36.9	-	-	-	-
-40	27	1200	60.9	62.4	-	-	-	-
-39	28	1228	66.0	66.5	-	-	-	-
-38	29	1288	58.6	62.8	-	-	-	-
-37	30	1321	52.7	59.0	-	-	-	-
-36	30	1341	36.7	47.9	-	-	-	-
-35	31	1363	21.5	37.3	-	-	-	-
-34	31	1392	41.0	51.6	-	-	-	-
-33	32	1397	10.5	30.1	-	-	-	-
-32	31	1383	2.3	23.8	-	-	-	-
-31	31	1381	0.0	16.9	-	-	-	-
-30	31	1392	22.7	38.7	-	-	-	-
-29	31	1387	3.1	22.9	-	-	-	-
-28	31	1361	0.0	10.1	-	-	-	-
-27	31	1360	0.0	6.3	-	-	-	-
-26	30	1321	0.0	6.5	-	-	-	-
-25	30	1346	19.5	37.8	-	-	-	-
-24	30	1361	47.7	55.0	-	-	-	-

Record 1

Time (Seconds)	Vehicle Speed (mph)	Engine Speed (rpm)	Engine Load (%)	Throttle (%)	Brake Status	Clutch Status	Cruise Status	Lamp Status
-23	31	1376	8.6	28.3	-	-	-	-
-22	31	1346	0.0	20.8	-	-	-	-
-21	30	1337	0.0	15.8	-	-	-	-
-20	31	1347	40.6	50.4	-	-	-	-
-19	31	1375	31.3	45.7	-	-	-	-
-18	32	1422	32.4	45.7	-	-	-	-
-17	32	1424	35.5	48.7	-	-	-	-
-16	32	1443	35.2	48.4	-	-	-	-
-15	33	1458	48.0	69.6	-	-	-	-
-14	33	1474	49.6	58.9	-	-	-	-
-13	34	1486	17.2	36.4	-	-	-	-
-12	33	1482	21.5	41.6	-	-	-	-
-11	34	1509	52.3	60.4	-	-	-	-
-10	34	1526	14.5	35.2	-	-	-	-
-9	34	1518	11.7	34.4	-	-	-	-
-8	35	1526	25.8	40.6	-	-	-	-
-7	34	1526	0.0	0.4	-	-	-	-
-6	34	1487	0.0	0.0	-	-	-	-
-5	33	1445	0.0	0.0	On	-	-	-
-4	32	1390	0.0	0.0	On	-	-	-
-3	31	1350	0.0	0.0	On	-	-	-
-2	30	1309	0.0	0.0	On	-	-	-
-1	29	1266	0.0	0.0	On	-	-	-
0	23	913	0.0	0.0	On	-	-	-
1	13	850	0.0	0.0	On	-	-	-
2	5	800	18.8	0.0	On	-	-	-
3	0	774	19.1	0.0	On	-	-	-
4	0	756	19.1	0.0	On	-	-	-
5	0	742	23.0	0.0	On	-	-	-
6	0	749	23.4	0.0	On	-	-	-
7	0	751	22.3	0.0	On	-	-	-
8	0	747	22.7	0.0	On	-	-	-
9	0	751	23.0	0.0	On	-	-	-
10	0	754	23.4	0.0	On	-	-	-
11	0	753	21.5	0.0	On	-	-	-
12	0	900	59.8	44.6	-	-	-	-

Record 1

Time (Seconds)	Vehicle Speed (mph)	Engine Speed (rpm)	Engine Load (%)	Throttle (%)	Brake Status	Clutch Status	Cruise Status	Lamp Status
13	2	1301	34.8	55.5	-	-	-	-
14	6	1591	41.8	54.8	-	-	-	-
15	9	1676	41.4	55.8	-	-	-	-

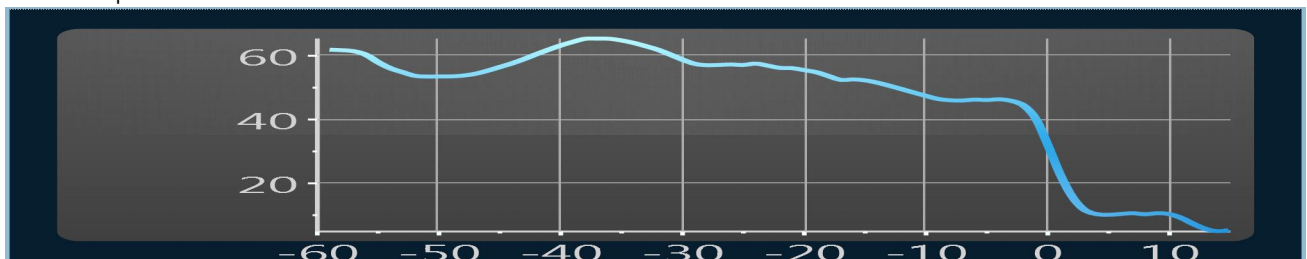
Sudden Vehicle Speed Deceleration Report Record 2

Engine Type	ISB 2013	Ecm Code	DT90319.11
Engine Serial Number	74061508	Software Phase	21.70.71.9
Unit Number	*****	Extraction Date	09-26-2019 01:46:28
Sudden Decel Threshold	9.01 mph/s	ECM Run time	4894:3:28

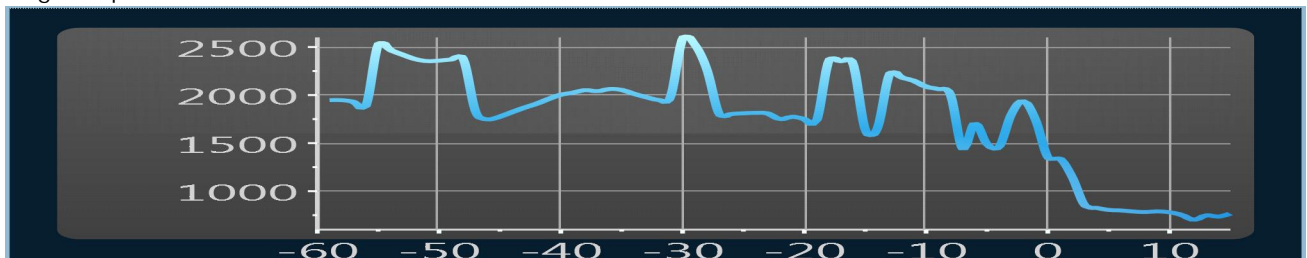
Rate:

Occurrence Date: N/A	ECM Run Time at Occurrence: 4760:45:14
Air Temperature (°F) at Occurrence: 75	Occurrence Distance (mi): 168663.6

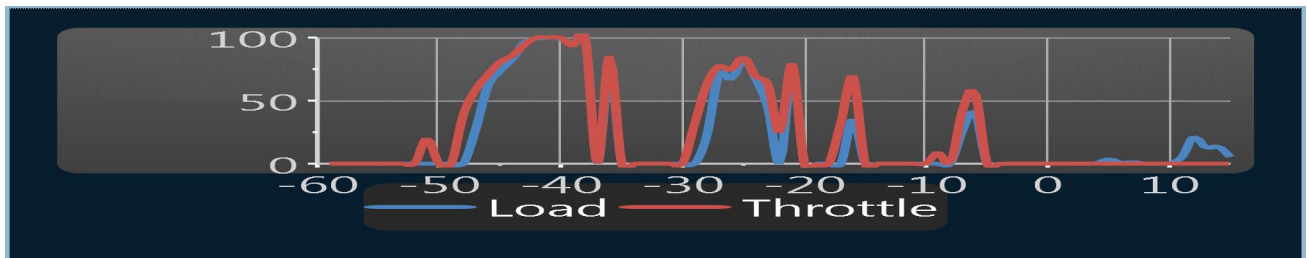
Vehicle Speed



Engine Speed



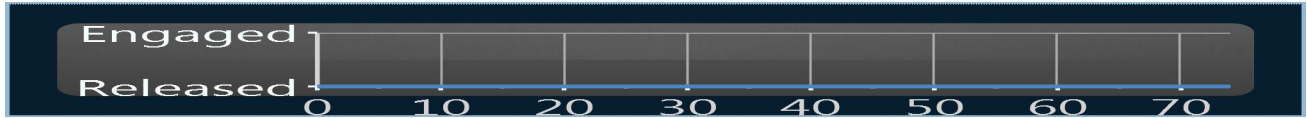
Percent



Brake



Clutch



Record 2

Time (Seconds)	Vehicle Speed (mph)	Engine Speed (rpm)	Engine Load (%)	Throttle (%)	Brake Status	Clutch Status	Cruise Status	Lamp Status
-59	62	1947	0.0	0.0	-	-	-	-
-58	62	1947	0.0	0.0	-	-	-	-
-57	61	1929	0.0	0.0	On	-	-	-
-56	60	1887	0.0	0.0	On	-	-	-
-55	58	2528	0.0	0.0	On	-	-	-
-54	56	2468	0.0	0.0	On	-	-	-
-53	55	2420	0.0	0.0	On	-	-	-
-52	54	2375	0.0	0.0	On	-	-	-
-51	53	2353	0.0	20.1	-	-	-	-
-50	54	2359	0.0	0.0	-	-	-	-
-49	54	2370	0.0	0.0	-	-	-	-
-48	54	2374	0.0	39.0	-	-	-	-
-47	54	1828	27.0	58.4	-	-	-	-
-46	55	1748	61.3	70.3	-	-	-	-
-45	56	1776	73.4	80.4	-	-	-	-
-44	58	1823	82.8	85.5	-	-	-	-
-43	59	1869	96.1	94.2	-	-	-	-
-42	61	1909	99.2	100.0	-	-	-	-
-41	62	1960	100.0	100.0	-	-	-	-
-40	63	2004	99.6	100.0	-	-	-	-
-39	64	2025	93.8	93.1	-	-	-	-
-38	65	2052	100.0	100.0	-	-	-	-
-37	65	2039	0.0	0.0	-	-	-	-
-36	65	2064	78.5	86.0	-	-	-	-
-35	65	2054	0.0	0.0	-	-	-	-
-34	64	2013	0.0	0.0	-	-	-	-
-33	63	1979	0.0	0.0	-	-	-	-
-32	62	1951	0.0	0.0	-	-	-	-
-31	60	1979	0.0	0.0	-	-	-	-
-30	59	2589	0.0	0.0	-	-	-	-
-29	57	2526	0.0	31.9	-	-	-	-
-28	57	2265	22.7	62.9	-	-	-	-
-27	57	1804	71.9	77.6	-	-	-	-
-26	57	1805	66.4	74.0	-	-	-	-
-25	57	1811	82.4	85.0	-	-	-	-
-24	58	1815	67.6	69.3	-	-	-	-

Record 2

Time (Seconds)	Vehicle Speed (mph)	Engine Speed (rpm)	Engine Load (%)	Throttle (%)	Brake Status	Clutch Status	Cruise Status	Lamp Status
-23	57	1810	44.5	63.0	-	-	-	-
-22	56	1747	0.0	24.4	-	-	-	-
-21	56	1776	74.6	79.3	-	-	-	-
-20	55	1751	0.0	0.0	-	-	-	-
-19	55	1728	0.0	0.0	-	-	-	-
-18	54	2355	0.0	0.0	On	-	-	-
-17	52	2342	0.0	32.5	-	-	-	-
-16	53	2327	35.9	69.2	-	-	-	-
-15	52	1641	0.0	0.0	-	-	-	-
-14	52	1654	0.0	0.0	-	-	-	-
-13	51	2221	0.0	0.0	On	-	-	-
-12	50	2182	0.0	0.0	-	-	-	-
-11	48	2148	0.0	0.0	On	-	-	-
-10	47	2086	0.0	0.0	On	-	-	-
-9	46	2062	0.0	9.0	-	-	-	-
-8	46	2005	0.0	0.0	-	-	-	-
-7	46	1437	26.6	42.6	-	-	-	-
-6	46	1711	41.8	57.5	-	-	-	-
-5	46	1491	0.0	0.4	-	-	-	-
-4	46	1461	0.0	0.0	-	-	-	-
-3	46	1800	0.0	0.0	-	-	-	-
-2	44	1943	0.0	0.0	On	-	-	-
-1	40	1740	0.0	0.0	On	-	-	-
0	32	1352	0.0	0.0	On	-	-	-
1	23	1342	0.0	0.0	On	-	-	-
2	16	1148	0.0	0.0	On	-	-	-
3	12	858	0.0	0.0	On	-	-	-
4	10	827	0.4	0.0	On	-	-	-
5	10	805	3.5	0.0	On	-	-	-
6	10	800	0.8	0.0	-	-	-	-
7	11	789	1.2	0.0	On	-	-	-
8	10	783	0.0	0.0	On	-	-	-
9	11	790	0.0	0.0	-	-	-	-
10	10	780	0.4	0.0	On	-	-	-
11	9	753	5.1	0.0	On	-	-	-
12	7	699	21.5	0.0	On	-	-	-

Record 2

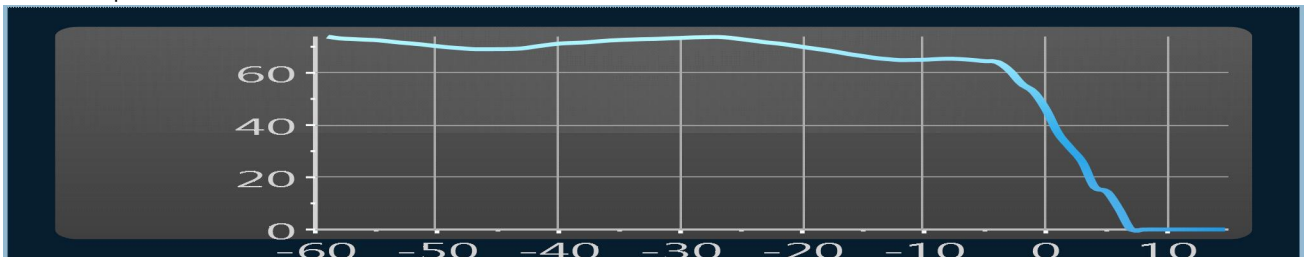
Time (Seconds)	Vehicle Speed (mph)	Engine Speed (rpm)	Engine Load (%)	Throttle (%)	Brake Status	Clutch Status	Cruise Status	Lamp Status
13	6	751	12.5	0.0	On	-	-	-
14	5	734	13.7	0.0	On	-	-	-
15	5	767	5.1	0.0	-	-	-	-

Sudden Vehicle Speed Deceleration Report Record 3

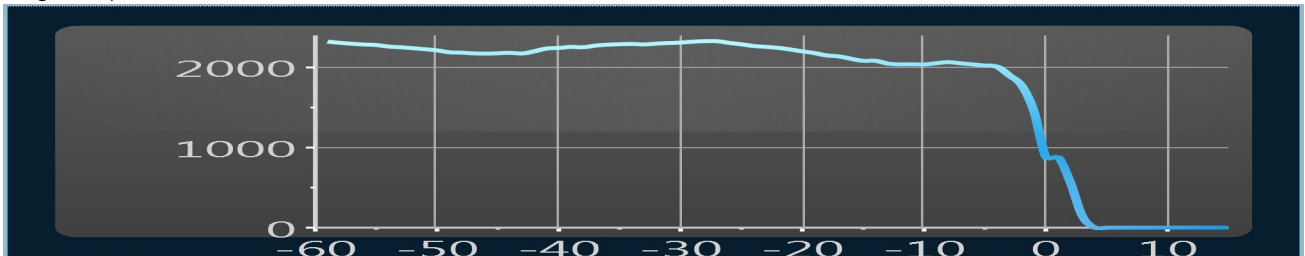
Engine Type	ISB 2013	Ecm Code	DT90319.11
Engine Serial Number	74061508	Software Phase	21.70.71.9
Unit Number	*****	Extraction Date	09-26-2019 01:46:28
Sudden Decel Threshold	9.01 mph/s	ECM Run time	4894:3:28

Rate:
 Occurrence Date: N/A ECM Run Time at Occurrence: 4893:32:32
 Air Temperature (°F) at Occurrence: 54 Occurrence Distance (mi): 172946.7

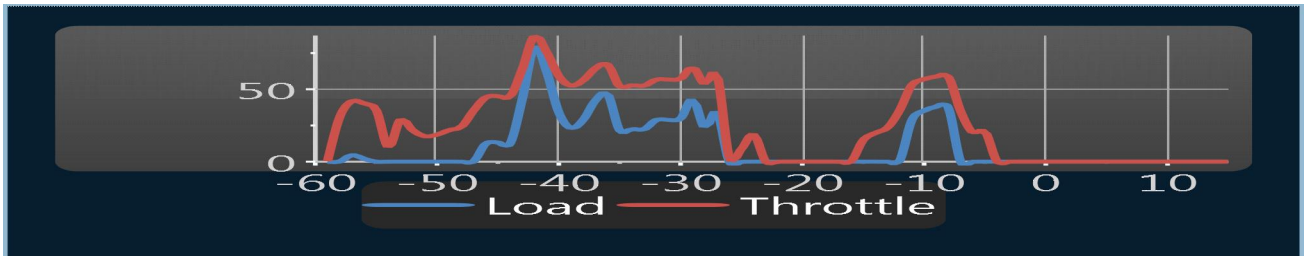
Vehicle Speed



Engine Speed



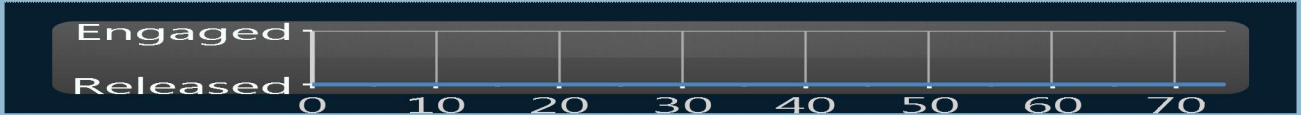
Percent



Brake



Clutch



Record 3

Time (Seconds)	Vehicle Speed (mph)	Engine Speed (rpm)	Engine Load (%)	Throttle (%)	Brake Status	Clutch Status	Cruise Status	Lamp Status
-59	74	2323	0.0	0.3	-	-	-	-
-58	73	2308	0.0	30.8	-	-	-	-
-57	73	2296	4.7	41.9	-	-	-	-
-56	73	2286	2.0	40.1	-	-	-	-
-55	73	2281	0.0	35.9	-	-	-	-
-54	72	2261	0.0	9.8	-	-	-	-
-53	72	2252	0.0	29.3	-	-	-	-
-52	71	2241	0.0	21.7	-	-	-	-
-51	71	2228	0.0	17.5	-	-	-	-
-50	70	2214	0.0	18.7	-	-	-	-
-49	70	2188	0.0	21.9	-	-	-	-
-48	69	2185	0.0	24.1	-	-	-	-
-47	69	2176	0.0	35.3	-	-	-	-
-46	69	2173	12.5	44.5	-	-	-	-
-45	69	2177	13.3	45.4	-	-	-	-
-44	69	2183	12.5	44.9	-	-	-	-
-43	69	2174	43.4	64.1	-	-	-	-
-42	70	2202	80.1	87.0	-	-	-	-
-41	71	2237	62.1	75.7	-	-	-	-
-40	71	2243	34.0	59.2	-	-	-	-
-39	71	2257	23.0	52.3	-	-	-	-
-38	72	2251	28.9	56.2	-	-	-	-
-37	72	2273	42.2	64.4	-	-	-	-
-36	72	2284	46.9	67.3	-	-	-	-
-35	73	2290	21.5	51.9	-	-	-	-
-34	73	2294	22.7	52.8	-	-	-	-
-33	73	2287	22.3	52.4	-	-	-	-
-32	73	2298	28.9	56.8	-	-	-	-
-31	73	2305	28.9	56.7	-	-	-	-
-30	73	2310	29.7	57.2	-	-	-	-
-29	74	2322	43.4	65.4	-	-	-	-
-28	74	2328	23.0	53.2	-	-	-	-
-27	74	2328	34.4	60.3	-	-	-	-
-26	73	2306	0.0	2.9	-	-	-	-
-25	73	2289	0.0	8.8	-	-	-	-
-24	72	2268	0.0	19.0	-	-	-	-

Record 3

Time (Seconds)	Vehicle Speed (mph)	Engine Speed (rpm)	Engine Load (%)	Throttle (%)	Brake Status	Clutch Status	Cruise Status	Lamp Status
-23	72	2257	0.0	0.0	-	-	-	-
-22	71	2245	0.0	0.0	-	-	-	-
-21	71	2225	0.0	0.0	-	-	-	-
-20	70	2200	0.0	0.0	-	-	-	-
-19	69	2180	0.0	0.0	-	-	-	-
-18	69	2149	0.0	0.0	-	-	-	-
-17	68	2139	0.0	0.0	-	-	-	-
-16	67	2108	0.0	0.0	-	-	-	-
-15	66	2082	0.0	14.9	-	-	-	-
-14	66	2084	0.0	19.9	-	-	-	-
-13	65	2048	0.0	23.5	-	-	-	-
-12	65	2039	0.8	35.7	-	-	-	-
-11	65	2040	28.9	53.1	-	-	-	-
-10	65	2037	35.2	56.9	-	-	-	-
-9	65	2053	37.9	58.8	-	-	-	-
-8	65	2067	37.1	58.6	-	-	-	-
-7	65	2051	0.0	34.8	-	-	-	-
-6	65	2038	0.0	20.0	-	-	-	-
-5	64	2023	0.0	21.2	-	-	-	-
-4	64	2010	0.0	0.0	-	-	-	-
-3	61	1901	0.0	0.0	On	-	-	-
-2	56	1777	0.0	0.0	On	-	-	-
-1	53	1462	0.0	0.0	-	-	-	-
0	46	881	0.0	0.0	On	-	-	-
1	37	886	0.0	0.0	-	-	-	-
2	31	571	0.0	0.0	-	-	-	-
3	26	143	0.0	0.0	-	-	-	-
4	16	0	0.0	0.0	-	-	-	-
5	15	0	0.0	0.0	-	-	-	-
6	8	0	0.0	0.0	-	-	-	-
7	0	0	0.0	0.0	-	-	-	-
8	0	0	0.0	0.0	-	-	-	-
9	0	0	0.0	0.0	-	-	-	-
10	0	0	0.0	0.0	-	-	-	-
11	0	0	0.0	0.0	-	-	-	-
12	0	0	0.0	0.0	-	-	-	-

Record 3

Time (Seconds)	Vehicle Speed (mph)	Engine Speed (rpm)	Engine Load (%)	Throttle (%)	Brake Status	Clutch Status	Cruise Status	Lamp Status
13	0	0	0.0	0.0	-	-	-	-
14	0	0	0.0	0.0	-	-	-	-
15	0	0	0.0	0.0	-	-	-	-

*Cummins does not intend for the Electronic Control Module ("ECM") and/or the Electronic Control Unit ("ECU") to be used for purposes of accident reconstruction nor did Cummins design the ECM/ECU for purposes of accident reconstruction. The ECM /ECU does not retrieve sudden deceleration event information with requisite specificity for accident reconstruction. As such, the PowerSpec software is not intended to retrieve data from the ECM/ECU for purposes of accident reconstruction. Furthermore, only authorized personnel should use the PowerSpec software to retrieve data from the ECM/ECU. Cummins does not guarantee the accuracy of ECM/ECU data retrieved and interpreted by unauthorized third parties. Nor will Cummins interpret ECM/ECU data that is retrieved by third parties.