



Recorders Attachment 3 – Data from 2005 New Flyer Transit Bus Cummins ECM

Baltimore, MD

HWY17MH007

(94 pages)

Engine Serial Number :35129486
Customer Unit Number :
Work Order Name :WO-20161103-094625

INSITE - 8.2.0.184
Company Name :Cummins Inc.
ECM Image Name :I-20161103-094950583
Customer Name :

ECM Image

WorkOrder Information

Work Order Name :	WO-20161103-094625
Customer Name :	
Technician's Note	Image of Accident Vehicle MTA Bus
Status	Good
Engine Serial Number	35129486
Vehicle ID	
Vehicle Make	
Vehicle Unit Number	
Vehicle Odometer	Enter Vehicle Mileage

Image Information

Date	03-Nov-2016 09:49:50 AM
File Location	C:\Intellect\INSITE\WorkOrders\I-20161103-094950583
Technician's Note	Final Image of ECM Mta Bus Accident Vehicle
ECM	CM875
Status	Good

Engine Serial Number :35129486
Customer Unit Number :
Work Order Name :WO-20161103-094625

Anti-Theft Protection

INSITE - 8.2.0.184
Company Name :Cummins Inc.
ECM Image Name :I-20161103-094950583
Customer Name :

Anti-Theft Protection

Password	Status	
Password1	Di sabled	
Password2	Di sabled	
Password3	Di sabled	
Password4	Di sabled	
Password5	Di sabled	
Password6	Di sabled	
Vehicle Anti-Theft		Di sable
Vehicle Anti-Theft Automatic Mode Enable		Enable
Anti-theft Status		Unlocked

Audit Trail

Engine Serial Number :35129486
 Customer Unit Number :
 Work Order Name :WO-20161103-094625

INSITE - 8.2.0.184
 Company Name :Cummins Inc.
 ECM Image Name :I-20161103-094950583
 Customer Name :

Audit Trail

Record Number	Tool Name	Tool ID	User Type	User ID	ECM Time (Key on Time)	ECM Real Time
		Code	Description			
[-] ISM - CM875						
[-] CM875						
[-] 1	INSITE	801101992901	Software	AB69A525	40727:49:12	Not Applicable
		027	Reset Fault Codes			
[-] 2	INSITE	704002442901	Software	5706B1D3	38580:05:37	Not Applicable
		027	Reset Fault Codes			
[-] 3	Unknown	00	Unknown	00000000	37807:14:01	Not Applicable
		027	Reset Fault Codes			
[-] 4	INSITE	704002442901	Software	FE609DFF	36996:11:55	Not Applicable
		027	Reset Fault Codes			

Engine Serial Number :35129486
 Customer Unit Number :
 Work Order Name :WO-20161103-094625

Monitors

INSITE - 8.2.0.184
 Company Name :Cummins Inc.
 ECM Image Name :I-20161103-094950583
 Customer Name :

Data Monitors

Parameter	Value	Units
<input type="checkbox"/> ISM - CM875		
<input type="checkbox"/> CM875		
— Accelerator Interlock State	Unlocked	
— Accelerator Pedal Position Sensor Signal Voltage	0.65	V
— Adjusted Tire Size	518	revs/mi
— Amber Warning Lamp Status	On	
— Anti-theft Status	Unlocked	
— Barometric Air Pressure	29.9	InHg
— Barometric Air Pressure Sensor Signal Voltage	3.95	V
— Battery Voltage	23.69	V
— Brake Pedal Position Switch	Depressed	
— Calibration Compatibility State	Unknown	
— Calibration Software Phase	06050510	
— Clutch Pedal Position Switch	Released	
— Cruise Control ON/OFF Switch	Off	
— Cruise Control Set / Resume Switch	Neutral	
— Current Miles On Tires	0	mi
— Diagnostic Test Mode Switch	Off	
— Driver Reward State	None	
— ECM Time	41724:49:46	HH:MM:SS
— EGR Cooler Efficiency	Not Available	Percent
— EGR Differential Pressure	0.2	InHg
— EGR Differential Pressure Sensor Signal Voltage	0.72	V
— EGR Flow Derate	Inactive	
— EGR Temperature	68	°F
— EGR Temperature Sensor Signal Voltage	4.97	V

Monitors

Engine Serial Number :35129486
 Customer Unit Number :
 Work Order Name :WO-20161103-094625

INSITE - 8.2.0.184
 Company Name :Cummins Inc.
 ECM Image Name :I-20161103-094950583
 Customer Name :

Parameter	Value	Units
— EGR Valve Position (Percent Open)	0	Percent
— EGR Valve Position Commanded	0	Percent
— EGR Valve Position Sensor Signal Voltage	0.44	V
— Engine Brake Output Circuit 2	Inactive	
— Engine Brake Switch Level	0	Percent
— Engine Coolant Level	OK	
— Engine Coolant Temperature	62.5	°F
— Engine Coolant Temperature Sensor Signal Voltage	3.67	V
— Engine Differential Pressure Derate With EGR Off	Inactive	
— Engine Hours	41338:51:07	HH:MM:SS
— Engine Oil Pressure	0.2	psi
— Engine Oil Pressure Sensor Signal Voltage	0.83	V
— Engine Oil Temperature	59.5	°F
— Engine Oil Temperature Sensor Signal Voltage	3.75	V
— Engine Protection Shutdown Override Switch	Off	
— Engine Speed	0	RPM
— Engine Torque Limit Switch	Off	
— Exhaust Gas Pressure	30.0	InHg
— Exhaust Gas Pressure Sensor Signal Voltage	0.89	V
— Exhaust Gas Temperature (Calculated)	66	°F
— Fuel Control Module Battery Voltage	0.00	V
— Fuel Control Module Calibration Software Phase	0	
— Fuel Control Module ECM Code		
— Fuel Control Module Keyswitch	Off	
— Fuel Shutoff Valve	Open	
— Gear-Down Protection State	Active-Heavy Load	
— Governor Type	Automotive	
— Idle Validation Switch	Idle	
— Intake Manifold Air Temperature	65.9	°F
— Intake Manifold Air Temperature Sensor Signal Voltage	3.59	V

Monitors

Engine Serial Number :35129486
 Customer Unit Number :
 Work Order Name :WO-20161103-094625

INSITE - 8.2.0.184
 Company Name :Cummins Inc.
 ECM Image Name :I-20161103-094950583
 Customer Name :

Parameter	Value	Units
— Intake Manifold Pressure	0.0	InHg
— Intake Manifold Pressure Sensor Signal Voltage	0.97	V
— J1939 Broadcast	On	
— J1939 Engine Control Source	Transmission	
— J1939 Engine Control Status	Inactive	
— J1939 Engine Source Address	0	
— J1939 Retarder Control Source	None	
— J1939 Retarder Control Status	Inactive	
— J1939 Stop Broadcast Source Address One	0	
— J1939 Stop Broadcast Source Address Three	0	
— J1939 Stop Broadcast Source Address Two	0	
— Keyswitch Off Counts	28449	
— Keyswitch On Counts	30190	
— Load Based Speed Control	Inactive	
— Low Idle Adjustment Switch	Neutral	
— OEM Ambient Air Temperature	72	°F
— OEM Ambient Air Temperature Sensor Signal Voltage	5.17	V
— Percent Accelerator	0	Percent
— Percent Fuel	0	Percent
— Percent Remote Accelerator	100	Percent
— Powertrain Protection Torque Limit	3000	ft*lb
— PTO Additional Switch	Off	
— PTO ON/OFF Switch	Off	
— PTO Reference Speed	0	RPM
— PTO Set / Resume Switch	Neutral	
— PTO Status	Inactive	
— Red Stop Lamp Status	Off	
— Remote Accelerator Switch	Off	
— Remote PTO Switch	Off	
— Transmission Gear Ratio	16.00	

Monitors

Engine Serial Number :35129486
 Customer Unit Number :
 Work Order Name :WO-20161103-094625

INSITE - 8.2.0.184
 Company Name :Cummins Inc.
 ECM Image Name :I-20161103-094950583
 Customer Name :

Parameter	Value	Units
— Turbocharger Compressor Inlet Air Temperature	64	°F
— Turbocharger Compressor Inlet Air Temperature Sensor Signal Volt	3.52	V
— Turbocharger Compressor Outlet Air Temperature (Calculated)	54	°F
— Turbocharger Compressor Outlet Air Temperature Derate	Inactive	
— Turbocharger Control Valve Command	70	Percent
— Turbocharger Speed	0	RPM
— Turbocharger Speed Derate	Inactive	
— User Fueling State	Engine Stop	
— Vehicle Acceleration Rate	0.0	mph/s
— Vehicle Speed	0	mph
— Water In Fuel Detected Total Accumulated Time	0:00:00	HH:MM:SS
— Water In Fuel Status	No	
— Water In Fuel Time Since Last Detection	0:00:00	HH:MM:SS

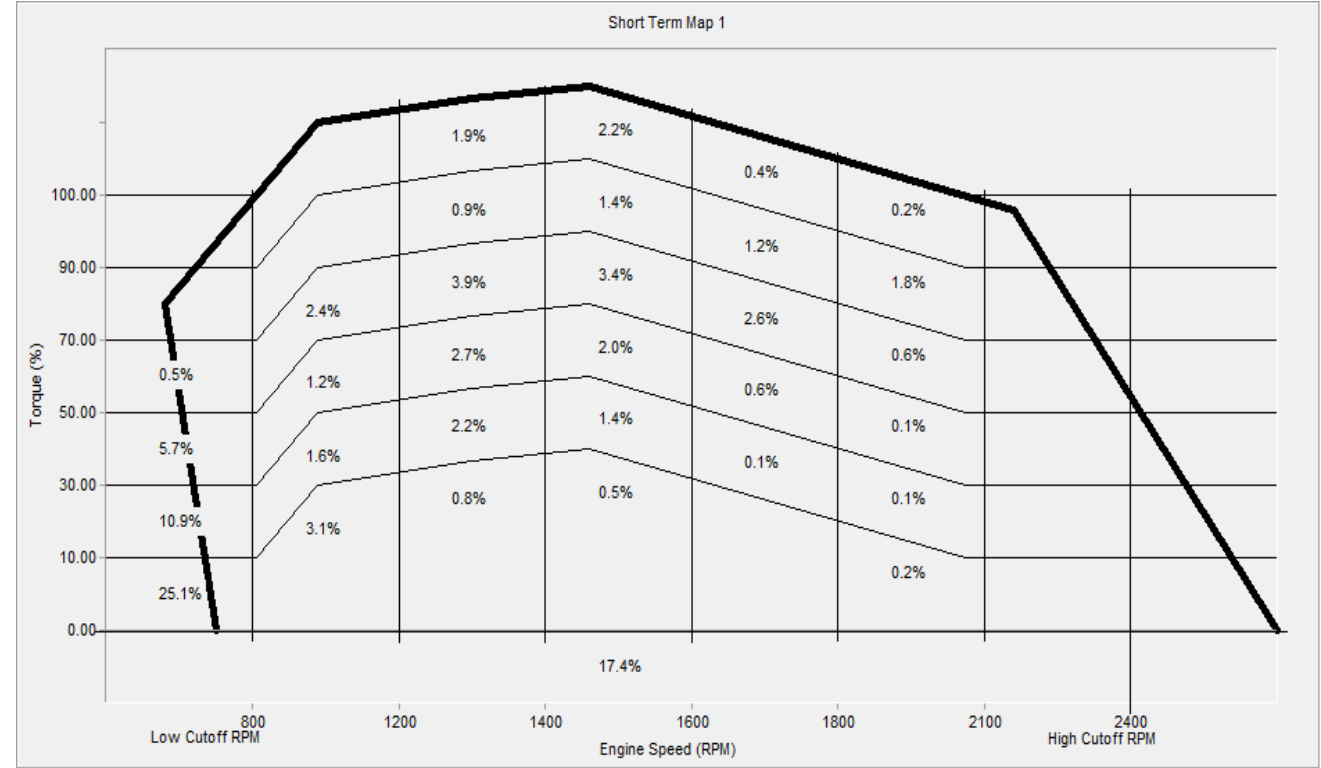
Duty Cycle Monitor

Engine Serial Number :35129486
 Customer Unit Number :
 Work Order Name :WO-20161103-094625

INSITE - 8.2.0.184
 Company Name :Cummins Inc.
 ECM Image Name :I-20161103-094950583
 Customer Name :

Duty Cycle Monitor

Short Term Map 1



Duty Cycle Monitor

Engine Serial Number :35129486
Customer Unit Number :
Work Order Name :WO-20161103-094625

INSITE - 8.2.0.184
Company Name :Cummins Inc.
ECM Image Name :I-20161103-094950583
Customer Name :

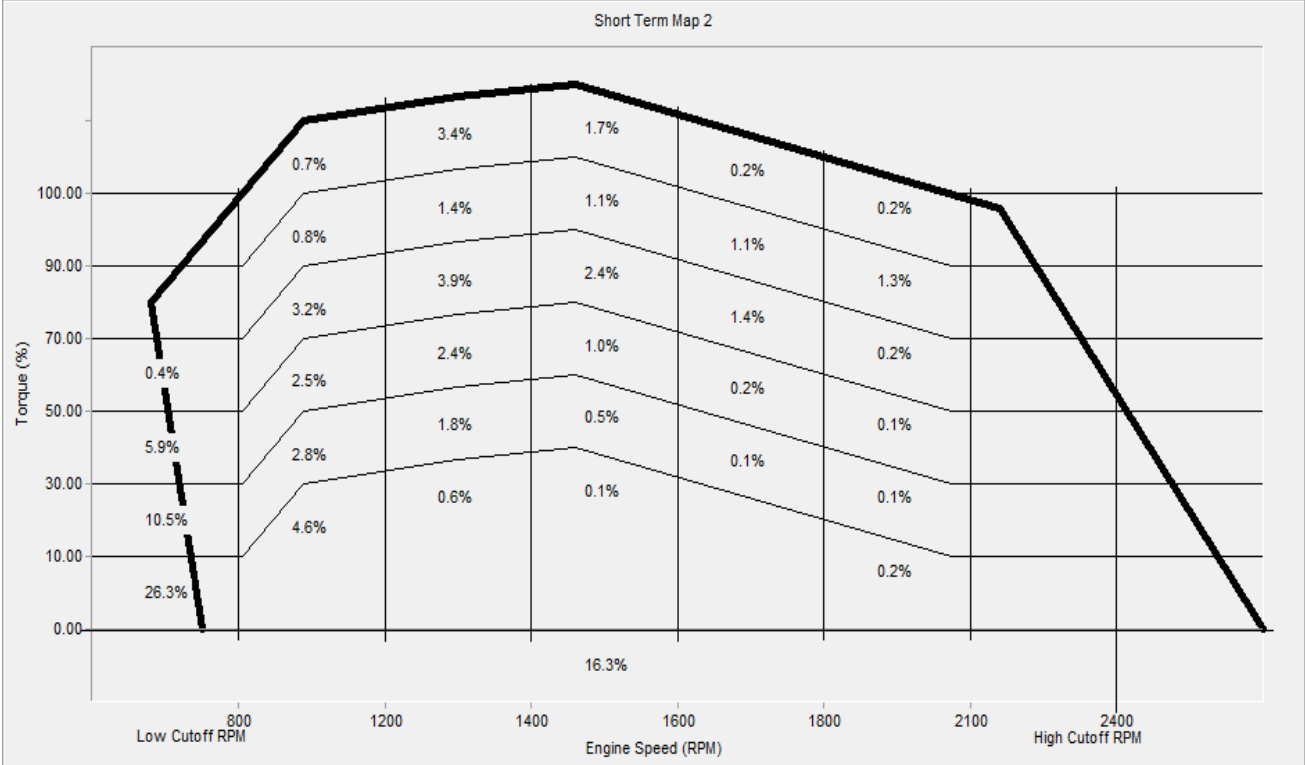
Parameter	Value	Unit
Map Start Time	13298:40:25	HH:MM:SS
Map Hours Remaining	0:00:00	HH:MM:SS
Advertised Power RPM	0	RPM
Advertised Power at RPM	280	hp
Peak Torque	1200	RPM
Peak Torque at RPM	925	ft*lb

Duty Cycle Monitor

Engine Serial Number :35129486
 Customer Unit Number :
 Work Order Name :WO-20161103-094625

INSITE - 8.2.0.184
 Company Name :Cummins Inc.
 ECM Image Name :I-20161103-094950583
 Customer Name :

Short Term Map 2



Duty Cycle Monitor

Engine Serial Number :35129486
Customer Unit Number :
Work Order Name :WO-20161103-094625

INSITE - 8.2.0.184
Company Name :Cummins Inc.
ECM Image Name :I-20161103-094950583
Customer Name :

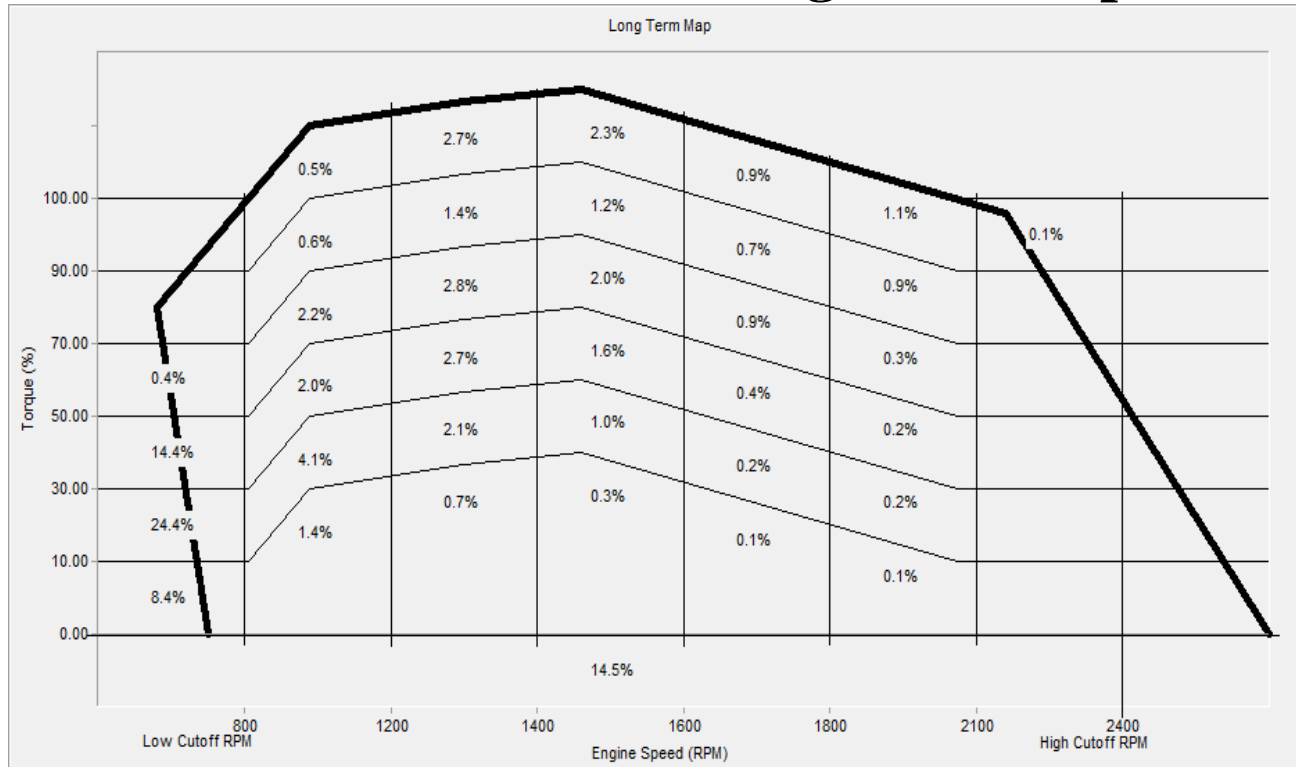
Parameter	Value	Unit
Map Start Time	13799:09:51	HH:MM:SS
Map Hours Remaining	0:00:00	HH:MM:SS
Advertised Power RPM	0	RPM
Advertised Power at RPM	280	hp
Peak Torque	1200	RPM
Peak Torque at RPM	925	ft*lb

Duty Cycle Monitor

Engine Serial Number :35129486
Customer Unit Number :
Work Order Name :WO-20161103-094625

INSITE - 8.2.0.184
Company Name :Cummins Inc.
ECM Image Name :I-20161103-094950583
Customer Name :

Long Term Map



Duty Cycle Monitor

Engine Serial Number :35129486
Customer Unit Number :
Work Order Name :WO-20161103-094625

INSITE - 8.2.0.184
Company Name :Cummins Inc.
ECM Image Name :I-20161103-094950583
Customer Name :

Parameter	Value	Unit
Map Start Time	13298:40:25	HH:MM:SS
Long Term Map Hours	71981:03:49	HH:MM:SS
Advertised Power RPM	0	RPM
Advertised Power at RPM	280	hp
Peak Torque	1200	RPM
Peak Torque at RPM	925	ft*lb

Engine Abuse History

Engine Serial Number :35129486
 Customer Unit Number :
 Work Order Name :WO-20161103-094625

INSITE - 8.2.0.184
 Company Name :Cummins Inc.
 ECM Image Name :I-20161103-094950583
 Customer Name :

Engine Abuse History

Parameter	Severity 1	Severity 2	Severity 3	Severity Total	Unit
Engine Oil Pressure	00:00:00	00:00:02	00:00:29	00:00:31	HH:MM:SS
Engine Oil Pressure	12 - 8	8 - 5	< 5	< 12	psi
Engine Speed	00:00:00	00:00:00	00:00:00	00:00:00	HH:MM:SS
Engine Overspeed	2700 - 2800	2800 - 2900	> 2900	> 2700	RPM
Engine Coolant Temperature	24467:54:36	941:20:54	00:56:08	25410:11:38	HH:MM:SS
Engine Coolant Temperature	180 - 200	200 - 220	> 220	> 180	°F
Intake Manifold Air Temperature	209:46:00	13:45:56	02:24:58	225:56:55	HH:MM:SS
Intake Manifold Air Temperature	180 - 200	200 - 220	> 220	> 180	°F
Engine Oil Temperature	1762:05:35	18487:07:35	5113:48:36	25363:01:46	HH:MM:SS
Engine Oil Temperature	180 - 200	200 - 220	> 220	> 180	°F
Engine Coolant Level	01:52:33				HH:MM:SS
Parameter	Value	Unit			
Engine Hours	41338:51:07	HH:MM:SS			

Engine Protection

Engine Serial Number :35129486
 Customer Unit Number :
 Work Order Name :WO-20161103-094625

INSITE - 8.2.0.184
 Company Name :Cummins Inc.
 ECM Image Name :I-20161103-094950583
 Customer Name :

Engine Protection

Description	Fault Code	Occurrence	Value	Duration	ECM Time (Key On Time)	ECM Real Time
<input type="checkbox"/> Oil Pressure Low - Data Valid But Below Normal Operating Range - Moderately Severe Level	143	Newest	53.4 psi	0:00:02	36995:46:19	Not Applicable
	143	2	0.0 psi	0:00:38	36995:44:51	Not Applicable
	143	3	8.4 psi	0:00:36	31260:23:15	Not Applicable
	143	4	5.7 psi	0:01:39	31260:20:54	Not Applicable
	143	Oldest	4.7 psi	0:00:51	31260:19:20	Not Applicable
<input type="checkbox"/> Coolant Temperature High - Data valid but above normal operational range - Most Severe Level	151	Newest	207.2 °F	0:00:14	37786:12:01	Not Applicable
	151	2	230.9 °F	0:00:33	37786:08:34	Not Applicable
	151	3	227.6 °F	0:00:24	37786:07:34	Not Applicable
	151	4	215.8 °F	0:00:03	28025:16:23	Not Applicable
	151	Oldest	223.5 °F	0:00:13	28025:15:02	Not Applicable
<input type="checkbox"/> Intake Manifold Air Temperature High - Data valid but above normal operational range - Most Severe Level	155	Newest	278.3 °F	0:00:19	41473:35:47	Not Applicable
	155	2	294.2 °F	0:00:43	41473:29:56	Not Applicable
	155	3	280.8 °F	0:00:37	25691:38:58	Not Applicable
	155	4	278.0 °F	0:00:25	25691:37:17	Not Applicable
	155	Oldest	298.6 °F	0:00:15	25691:28:27	Not Applicable
<input type="checkbox"/> Coolant Level Low - Data Valid But Below Normal Operating Range - Moderately Severe Level	197	Newest	Fault	0:00:04	41357:48:29	Not Applicable
	197	2	Fault	0:00:13	41357:45:16	Not Applicable
	197	3	Fault	0:00:31	40329:27:00	Not Applicable

Engine Protection

Engine Serial Number :35129486
 Customer Unit Number :
 Work Order Name :WO-20161103-094625

INSITE - 8.2.0.184
 Company Name :Cummins Inc.
 ECM Image Name :I-20161103-094950583
 Customer Name :

Description	Fault Code	Occurrence	Value	Duration	ECM Time (Key On Time)	ECM Real Time
	197	4	Fault	0:00:38	40329:24:52	Not Applicable
	197	Oldest	Fault	0:01:31	40329:22:31	Not Applicable
<input type="checkbox"/> Oil Pressure Low - Data valid but below normal operational range - Most Severe Level	415	Newest	53.4 psi	0:00:02	36995:46:19	Not Applicable
	415	2	0.0 psi	0:00:38	36995:44:51	Not Applicable
	415	3	8.4 psi	0:00:35	31260:23:15	Not Applicable
	415	4	6.4 psi	0:01:04	31260:21:24	Not Applicable
	415	Oldest	14.7 psi	0:00:07	31260:20:54	Not Applicable
<input type="checkbox"/> Turbocharger Turbine Inlet Temperature (Calculated) - Data Valid But Above Normal Operating Range - Least Severe Level	2346	Newest	14355 °F	0:00:31	41473:30:22	Not Applicable
	2346	2	14155 °F	0:00:02	24733:57:07	Not Applicable
	2346	3	16295 °F	0:01:06	24733:53:52	Not Applicable
	2346	Oldest	14595 °F	0:00:29	10032:38:13	Not Applicable
<input type="checkbox"/> EGR Temperature - Data Valid But Above Normal Operating Range - Least Severe Level	2961	Newest	561 °F	0:00:10	41473:35:49	Not Applicable
	2961	2	572 °F	0:00:28	41473:29:51	Not Applicable
	2961	3	572 °F	0:00:25	41473:17:50	Not Applicable
	2961	4	566 °F	0:00:07	25691:28:30	Not Applicable
	2961	Oldest	552 °F	0:00:06	25691:27:52	Not Applicable
<input type="checkbox"/> EGR Temperature - Data Valid But Above Normal Operating Range - Moderately Severe Level	2962	Newest	572 °F	0:00:37	41473:29:58	Not Applicable
	2962	Oldest	572 °F	0:00:31	41473:17:56	Not Applicable
<input type="checkbox"/> Engine Coolant Temperature High - Data Valid But Above Normal Operating Range - Least Severe Level	2963	Newest	216.0 °F	0:00:05	41252:34:30	Not Applicable
	2963	2	230.9 °F	0:00:33	37786:08:34	Not Applicable
	2963	3	227.6 °F	0:01:20	37786:06:38	Not Applicable

Engine Protection

Engine Serial Number :35129486
 Customer Unit Number :
 Work Order Name :WO-20161103-094625

INSITE - 8.2.0.184
 Company Name :Cummins Inc.
 ECM Image Name :I-20161103-094950583
 Customer Name :

Description	Fault Code	Occurrence	Value	Duration	ECM Time (Key On Time)	ECM Real Time
	2963	4	216.2 °F	0:00:10	37786:05:12	Not Applicable
	2963	Oldest	215.8 °F	0:00:02	28025:16:24	Not Applicable
<input checked="" type="checkbox"/> Intake Manifold Temperature High - Data Valid Below Normal Operating Range - Least Severe Level	2964	Newest	254.4 °F	0:00:10	41473:44:35	Not Applicable
	2964	2	261.5 °F	0:00:23	41473:38:26	Not Applicable
	2964	3	278.3 °F	0:01:16	41473:34:53	Not Applicable
	2964	4	264.9 °F	0:00:27	41473:33:36	Not Applicable
	2964	Oldest	260.1 °F	0:00:13	41473:33:03	Not Applicable

Engine Torque History

Engine Serial Number : 35129486
 Customer Unit Number :
 Work Order Name : WO-20161103-094625

INSITE - 8.2.0.184
 Company Name : Cummins Inc.
 ECM Image Name : I-20161103-094950583
 Customer Name :

Engine Torque History

ECM Start Time	High Power Rating	Low Power Rating	Peak High Torque	Peak Low Torque	Peak Torque Duration	
	Description	Value				
The current ECM calibration does not support this feature						

Engine Serial Number :35129486
 Customer Unit Number :
 Work Order Name :WO-20161103-094625

Fault Codes

INSITE - 8.2.0.184
 Company Name :Cummins Inc.
 ECM Image Name :I-20161103-094950583
 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"/> CM875	ECM Time	41724:49:46		HH:MM:SS					
	Engine Hours	41338:51:07		HH:MM:SS					
	Keyoffs	28449							
<input checked="" type="checkbox"/> 0431	Active	1	Amber	Accelerator Pedal or Lever Idle Validation Circuit - Data erratic, intermittent or incorrect		230	2	2	558
<input checked="" type="checkbox"/> 0434	Inactive	2	Amber	Power Lost without Ignition Off - Data erratic, intermittent or incorrect		251	2	2	627
<input checked="" type="checkbox"/> 2348	Inactive	9	Amber	EGR valve position failed automatic calibration procedure - Out of Calibration	27		13	13	27
<input checked="" type="checkbox"/> 2964	Inactive	11	None	Intake Manifold Temperature High - Data Valid But Above Normal Operating Range - Least Severe Level	105		0	15	105
<input checked="" type="checkbox"/> 2962	Inactive	173	Amber	EGR Temperature - Data Valid But Above Normal Operating Range - Moderately Severe Level	412		0	16	412

Engine Serial Number :35129486
 Customer Unit Number :
 Work Order Name :WO-20161103-094625

Fault Codes

INSITE - 8.2.0.184
 Company Name :Cummins Inc.
 ECM Image Name :I-20161103-094950583
 Customer Name :

Fault Code	Status	Count	Lamp	Description	PID	SID	J1587 FMI	J1939 FMI	SPN
	Fault Parameters	First	Last	Units					
0155	Inactive	2	Red	Intake Manifold Air Temperature High - Data valid but above normal operational range - Most Severe Level	105		0	0	105
2961	Inactive	3	None	EGR Temperature - Data Valid But Above Normal Operating Range - Least Severe Level	412		0	15	412
2346	Inactive	5	None	Turbocharger Turbine Inlet Temperature (Calculated) - Data Valid But Above Normal Operating Range - Least Severe Level			0	15	2789
9121	Inactive	2	None	EGR Valve Actuator Over Temperature (Calculated) - Data Valid But Above Normal Operating Range - Least Severe Level		146	0	15	2791
0197	Inactive	3	Amber	Coolant Level Low - Data Valid But Below Normal Operating Range - Moderately Severe Level	111		1	18	111
0235	Inactive	2	Red	Coolant Level Low - Data valid but below normal operational range - Most Severe Level	111		1	1	111
0141	Inactive	1	Amber	Oil Pressure Sensor Circuit - Voltage below normal, or shorted to low source	100		4	4	100

Engine Serial Number :35129486
 Customer Unit Number :
 Work Order Name :WO-20161103-094625

Fault Codes

INSITE - 8.2.0.184
 Company Name :Cummins Inc.
 ECM Image Name :I-20161103-094950583
 Customer Name :


Fault Code	Status	Count	Lamp	Description	PID	SID	J1587 FMI	J1939 FMI	SPN
	Fault Parameters	First	Last	Units					
0255	Inactive	1	Amber	Engine Fuel Shutoff Valve Circuit - Voltage above normal, or shorted to high source		17	3	3	632
1119	Inactive	10	Amber	Engine Coolant Temperature - Data Valid But Above Normal Operating Range - Moderately Severe Level	110		0	16	110
2963	Inactive	1	None	Engine Coolant Temperature High - Data Valid But Above Normal Operating Range - Least Severe Level	110		0	15	110

Fault Snapshot

Engine Serial Number :35129486
 Customer Unit Number :
 Work Order Name :WO-20161103-094625

INSITE - 8.2.0.184
 Company Name :Cummins Inc.
 ECM Image Name :I-20161103-094950583
 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"/> CM875	ECM Time	41724:49:46		HH:MM:SS					
	Engine Hours	41338:51:07		HH:MM:SS					
	Keyoffs	28449							
<input type="checkbox"/>  0431	Active	1	Amber	Accelerator Pedal or Lever Idle Validation Circuit - Data erratic, intermittent or incorrect		230	2	2	558
	ECM Time	41724:31:56	41724:31:56	HH:MM:SS					
	Accelerator Interlock State	Locked	Locked						
	Air Conditioning Pressure Switch	On	On						
	Barometric Air Pressure	30.0	30.0	InHg					
	Battery Voltage	26.81	26.81	V					
	Brake Pedal Position Switch	Depressed	Depressed						

Fault Snapshot

Engine Serial Number :35129486
 Customer Unit Number :
 Work Order Name :WO-20161103-094625

INSITE - 8.2.0.184
 Company Name :Cummins Inc.
 ECM Image Name :I-20161103-094950583
 Customer Name :

Fault Code	Status	Count	Lamp	Description	PID	SID	J1587 FMI	J1939 FMI	SPN
	Fault Parameters	First	Last	Units					
	Clutch Pedal Position Switch	Released	Released						
	Cruise Control ON/OFF Switch	Off	Off						
	Diagnostic Test Mode Switch	Off	Off						
	EGR Differential Pressure	0.0	0.0	InHg					
	EGR Temperature	359	359	°F					
	EGR Valve Position (Percent Open)	0	0	Percent					
	Engine Coolant Temperature	197.6	197.6	°F					
	Engine Hours	41338:50:09	41338:50:09	HH:MM:SS					
	Engine Oil Pressure	0.0	0.0	psi					
	Engine Oil Temperature	217.6	217.6	°F					
	Engine Protection Shutdown Override Switch	Off	Off						
	Engine Speed	0	0	RPM					

Fault Snapshot

Engine Serial Number :35129486
 Customer Unit Number :
 Work Order Name :WO-20161103-094625


INSITE - 8.2.0.184
 Company Name :Cummins Inc.
 ECM Image Name :I-20161103-094950583
 Customer Name :

Fault Code	Status	Count	Lamp	Description	PID	SID	J1587 FMI	J1939 FMI	SPN
	Fault Parameters	First	Last	Units					
	Exhaust Gas Pressure	30.2	30.2	InHg					
	Exhaust Gas Temperature (Calculated)	137	137	°F					
	Fan Control Switch	On	On						
	Intake Manifold Air Temperature	143.6	143.6	°F					
	Intake Manifold Pressure	1.4	1.4	InHg					
	Keyswitch	Off	Off						
	Low Idle Adjustment Switch	Neutral	Neutral						
	Percent Fuel	0	0	Percent					
	Percent Throttle	0	0	Percent					
	Remote Accelerator Switch	Off	Off						
	Remote PTO Switch	Off	Off						
	Turbocharger Compressor Inlet Air Temperature	77	77	°F					
	Turbocharger Compressor Outlet Air Temperature (Calculated)	73	73	°F					

Fault Snapshot

Engine Serial Number :35129486
 Customer Unit Number :
 Work Order Name :WO-20161103-094625

INSITE - 8.2.0.184
 Company Name :Cummins Inc.
 ECM Image Name :I-20161103-094950583
 Customer Name :

Fault Code	Status	Count	Lamp	Description	PID	SID	J1587 FMI	J1939 FMI	SPN
	Fault Parameters	First	Last	Units					
	Turbocharger Control Valve Command	4	4	Percent					
	Turbocharger Speed	21296	21296	RPM					
	User Fueling State	Shutdown	Shutdown						
	Vehicle Speed	34	34	mph					
 0434	Inactive	2	Amber	Power Lost without Ignition Off - Data erratic, intermittent or incorrect		251	2	2	627
	ECM Time	41357:42:23	41652:05:38	HH:MM:SS					
	Accelerator Interlock State	Unlocked	Unlocked						
	Air Conditioning Pressure Switch	Off	Off						
	Barometric Air Pressure	30.0	30.1	InHg					
	Battery Voltage	0.00	0.00	V					
	Brake Pedal Position Switch	Released	Released						
	Clutch Pedal Position Switch	Released	Released						

Fault Snapshot

Engine Serial Number :35129486
 Customer Unit Number :
 Work Order Name :WO-20161103-094625

INSITE - 8.2.0.184
 Company Name :Cummins Inc.
 ECM Image Name :I-20161103-094950583
 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	Off	Off						
	Diagnostic Test Mode Switch	Off	Off						
	EGR Differential Pressure	0.0	-0.1	InHg					
	EGR Temperature	75	231	°F					
	EGR Valve Position (Percent Open)	0	0	Percent					
	Engine Coolant Temperature	71.6	190.3	°F					
	Engine Hours	40976:30:06	41267:58:00	HH:MM:SS					
	Engine Oil Pressure	10.3	0.0	psi					
	Engine Oil Temperature	69.1	210.3	°F					
	Engine Protection Shutdown Override Switch	Off	Off						
	Engine Speed	0	0	RPM					
	Exhaust Gas Pressure	30.1	30.0	InHg					

Fault Snapshot

Engine Serial Number :35129486
 Customer Unit Number :
 Work Order Name :WO-20161103-094625


INSITE - 8.2.0.184
 Company Name :Cummins Inc.
 ECM Image Name :I-20161103-094950583
 Customer Name :

Fault Code	Status	Count	Lamp	Description	PID	SID	J1587 FMI	J1939 FMI	SPN
	Fault Parameters	First	Last	Units					
	Exhaust Gas Temperature (Calculated)	0	0	°F					
	Fan Control Switch	Off	Off						
	Intake Manifold Air Temperature	72.4	139.4	°F					
	Intake Manifold Pressure	0.0	0.0	InHg					
	Keyswitch	Off	Off						
	Low Idle Adjustment Switch	Neutral	Neutral						
	Percent Fuel	0	0	Percent					
	Percent Throttle	0	0	Percent					
	Remote Accelerator Switch	Off	Off						
	Remote PTO Switch	Off	Off						
	Turbocharger Compressor Inlet Air Temperature	72	130	°F					
	Turbocharger Compressor Outlet Air Temperature (Calculated)	0	0	°F					

Fault Snapshot

Engine Serial Number :35129486
 Customer Unit Number :
 Work Order Name :WO-20161103-094625

INSITE - 8.2.0.184
 Company Name :Cummins Inc.
 ECM Image Name :I-20161103-094950583
 Customer Name :

Fault Code	Status	Count	Lamp	Description	PID	SID	J1587 FMI	J1939 FMI	SPN
	Fault Parameters	First	Last	Units					
	Turbocharger Control Valve Command	0	0	Percent					
	Turbocharger Speed	0	0	RPM					
	User Fueling State	None	None						
	Vehicle Speed	0	0	mph					
 2348	Inactive	9	Amber	EGR valve position failed automatic calibration procedure - Out of Calibration	27		13	13	27
	ECM Time	41473:05:35	41473:59:39	HH:MM:SS					
	Accelerator Interlock State	Unlocked	Unlocked						
	Air Conditioning Pressure Switch	On	On						
	Barometric Air Pressure	30.0	29.9	InHg					
	Battery Voltage	27.88	23.19	V					
	Brake Pedal Position Switch	Released	Released						
	Clutch Pedal Position Switch	Released	Released						

Fault Snapshot

Engine Serial Number :35129486
 Customer Unit Number :
 Work Order Name :WO-20161103-094625

INSITE - 8.2.0.184
 Company Name :Cummins Inc.
 ECM Image Name :I-20161103-094950583
 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	Off	Off						
	Diagnostic Test Mode Switch	Off	Off						
	EGR Differential Pressure	4.9	0.5	InHg					
	EGR Temperature	244	90	°F					
	EGR Valve Position (Percent Open)	0	0	Percent					
	Engine Coolant Temperature	193.1	101.3	°F					
	Engine Hours	41091:01:14	41091:49:42	HH:MM:SS					
	Engine Oil Pressure	37.8	0.1	psi					
	Engine Oil Temperature	213.9	101.0	°F					
	Engine Protection Shutdown Override Switch	Off	Off						
	Engine Speed	1332	553	RPM					
	Exhaust Gas Pressure	41.6	33.0	InHg					

Fault Snapshot

Engine Serial Number :35129486
 Customer Unit Number :
 Work Order Name :WO-20161103-094625

INSITE - 8.2.0.184
 Company Name :Cummins Inc.
 ECM Image Name :I-20161103-094950583
 Customer Name :

Fault Code	Status	Count	Lamp	Description	PID	SID	J1587 FMI	J1939 FMI	SPN
	Fault Parameters	First	Last	Units					
	Exhaust Gas Temperature (Calculated)	1398	956	°F					
	Fan Control Switch	On	On						
	Intake Manifold Air Temperature	138.1	97.6	°F					
	Intake Manifold Pressure	4.1	0.1	InHg					
	Keyswitch	On	On						
	Low Idle Adjustment Switch	Neutral	Neutral						
	Percent Fuel	57	44	Percent					
	Percent Throttle	100	0	Percent					
	Remote Accelerator Switch	Off	Off						
	Remote PTO Switch	Off	Off						
	Turbocharger Compressor Inlet Air Temperature	88	91	°F					
	Turbocharger Compressor Outlet Air Temperature (Calculated)	87	74	°F					

Fault Snapshot

Engine Serial Number :35129486
 Customer Unit Number :
 Work Order Name :WO-20161103-094625

INSITE - 8.2.0.184
 Company Name :Cummins Inc.
 ECM Image Name :I-20161103-094950583
 Customer Name :

Fault Code	Status	Count	Lamp	Description	PID	SID	J1587 FMI	J1939 FMI	SPN
	Fault Parameters	First	Last	Units					
	Turbocharger Control Valve Command	70	63	Percent					
	Turbocharger Speed	33000	0	RPM					
	User Fueling State	Air Fuel Control Derate	Crank State						
	Vehicle Speed	7	0	mph					
<input type="checkbox"/> 2964	Inactive	11	None	Intake Manifold Temperature High - Data Valid But Above Normal Operating Range Least Severe Level	105		0	15	105
	ECM Time	41473:17:53	41473:44:35	HH:MM:SS					
	Accelerator Interlock State	Unlocked	Unlocked						
	Air Conditioning Pressure Switch	On	On						
	Barometric Air Pressure	29.9	29.9	InHg					
	Battery Voltage	27.81	27.81	V					
	Brake Pedal Position Switch	Released	Released						

Fault Snapshot

Engine Serial Number :35129486
 Customer Unit Number :
 Work Order Name :WO-20161103-094625

INSITE - 8.2.0.184
 Company Name :Cummins Inc.
 ECM Image Name :I-20161103-094950583
 Customer Name :

Fault Code	Status	Count	Lamp	Description	PID	SID	J1587 FMI	J1939 FMI	SPN
	Fault Parameters	First	Last	Units					
	Clutch Pedal Position Switch	Released	Released						
	Cruise Control ON/OFF Switch	Off	Off						
	Diagnostic Test Mode Switch	Off	Off						
	EGR Differential Pressure	10.6	5.0	InHg					
	EGR Temperature	568	472	°F					
	EGR Valve Position (Percent Open)	0	0	Percent					
	Engine Coolant Temperature	195.9	192.3	°F					
	Engine Hours	41091:13:32	41091:36:49	HH:MM:SS					
	Engine Oil Pressure	36.8	34.3	psi					
	Engine Oil Temperature	213.4	206.3	°F					
	Engine Protection Shutdown Override Switch	Off	Off						
	Engine Speed	1741	1191	RPM					

Fault Snapshot

Engine Serial Number :35129486
 Customer Unit Number :
 Work Order Name :WO-20161103-094625


INSITE - 8.2.0.184
 Company Name :Cummins Inc.
 ECM Image Name :I-20161103-094950583
 Customer Name :

Fault Code	Status	Count	Lamp	Description	PID	SID	J1587 FMI	J1939 FMI	SPN
	Fault Parameters	First	Last	Units					
	Exhaust Gas Pressure	60.2	40.1	InHg					
	Exhaust Gas Temperature (Calculated)	1591	1503	°F					
	Fan Control Switch	On	On						
	Intake Manifold Air Temperature	255.8	252.4	°F					
	Intake Manifold Pressure	17.8	4.4	InHg					
	Keyswitch	On	On						
	Low Idle Adjustment Switch	Neutral	Neutral						
	Percent Fuel	64	55	Percent					
	Percent Throttle	100	100	Percent					
	Remote Accelerator Switch	Off	Off						
	Remote PTO Switch	Off	Off						
	Turbocharger Compressor Inlet Air Temperature	89	100	°F					
	Turbocharger Compressor Outlet Air Temperature (Calculated)	144	101	°F					

Fault Snapshot

Engine Serial Number :35129486
 Customer Unit Number :
 Work Order Name :WO-20161103-094625

INSITE - 8.2.0.184
 Company Name :Cummins Inc.
 ECM Image Name :I-20161103-094950583
 Customer Name :

Fault Code	Status	Count	Lamp	Description	PID	SID	J1587 FMI	J1939 FMI	SPN
	Fault Parameters	First	Last	Units					
	Turbocharger Control Valve Command	70	70	Percent					
	Turbocharger Speed	59640	31976	RPM					
	User Fueling State	Air Fuel Control Derate	Air Fuel Control Derate						
	Vehicle Speed	27	14	mph					
 2962	Inactive	173	Amber	EGR Temperature - Data Valid But Above Normal Operating Range - Moderately Severe Level	412		0	16	412
	ECM Time	40814:28:00	41473:38:15	HH:MM:SS					
	Accelerator Interlock State	Unlocked	Unlocked						
	Air Conditioning Pressure Switch	On	On						
	Barometric Air Pressure	29.8	29.9	InHg					
	Battery Voltage	27.94	27.63	V					
	Brake Pedal Position Switch	Released	Released						
	Clutch Pedal Position Switch	Released	Released						

Fault Snapshot

Engine Serial Number :35129486
 Customer Unit Number :
 Work Order Name :WO-20161103-094625

INSITE - 8.2.0.184
 Company Name :Cummins Inc.
 ECM Image Name :I-20161103-094950583
 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	Off	Off						
	Diagnostic Test Mode Switch	Off	Off						
	EGR Differential Pressure	2.4	6.9	InHg					
	EGR Temperature	421	422	°F					
	EGR Valve Position (Percent Open)	17	0	Percent					
	Engine Coolant Temperature	196.9	193.6	°F					
	Engine Hours	40437:11:30	41091:33:54	HH:MM:SS					
	Engine Oil Pressure	40.6	37.0	psi					
	Engine Oil Temperature	193.1	210.4	°F					
	Engine Protection Shutdown Override Switch	Off	Off						
	Engine Speed	1940	1355	RPM					
	Exhaust Gas Pressure	117.8	41.8	InHg					

Fault Snapshot

Engine Serial Number :35129486
 Customer Unit Number :
 Work Order Name :WO-20161103-094625


INSITE - 8.2.0.184
 Company Name :Cummins Inc.
 ECM Image Name :I-20161103-094950583
 Customer Name :

Fault Code	Status	Count	Lamp	Description	PID	SID	J1587 FMI	J1939 FMI	SPN
	Fault Parameters	First	Last	Units					
	Exhaust Gas Temperature (Calculated)	1184	1489	°F					
	Fan Control Switch	On	On						
	Intake Manifold Air Temperature	190.3	244.1	°F					
	Intake Manifold Pressure	64.7	5.8	InHg					
	Keyswitch	On	On						
	Low Idle Adjustment Switch	Neutral	Neutral						
	Percent Fuel	100	53	Percent					
	Percent Throttle	84	100	Percent					
	Remote Accelerator Switch	Off	Off						
	Remote PTO Switch	Off	Off						
	Turbocharger Compressor Inlet Air Temperature	96	99	°F					
	Turbocharger Compressor Outlet Air Temperature (Calculated)	295	98	°F					

Fault Snapshot

Engine Serial Number :35129486
 Customer Unit Number :
 Work Order Name :WO-20161103-094625

INSITE - 8.2.0.184
 Company Name :Cummins Inc.
 ECM Image Name :I-20161103-094950583
 Customer Name :

Fault Code	Status	Count	Lamp	Description	PID	SID	J1587 FMI	J1939 FMI	SPN
	Fault Parameters	First	Last	Units					
	Turbocharger Control Valve Command	27	70	Percent					
	Turbocharger Speed	109256	36536	RPM					
	User Fueling State	Maximum Throttle	Air Fuel Control Derate						
	Vehicle Speed	56	15	mph					
 0155	Inactive	2	Red	Intake Manifold Air Temperature High - Data valid but above normal operational range - Most Severe Level	105		0	0	105
	ECM Time	41473:29:56	41473:35:47	HH:MM:SS					
	Accelerator Interlock State	Unlocked	Unlocked						
	Air Conditioning Pressure Switch	On	On						
	Barometric Air Pressure	29.9	29.9	InHg					
	Battery Voltage	27.75	27.69	V					
	Brake Pedal Position Switch	Released	Released						

Fault Snapshot

Engine Serial Number :35129486
 Customer Unit Number :
 Work Order Name :WO-20161103-094625

INSITE - 8.2.0.184
 Company Name :Cummins Inc.
 ECM Image Name :I-20161103-094950583
 Customer Name :

Fault Code	Status	Count	Lamp	Description	PID	SID	J1587 FMI	J1939 FMI	SPN
	Fault Parameters	First	Last	Units					
	Clutch Pedal Position Switch	Released	Released						
	Cruise Control ON/OFF Switch	Off	Off						
	Diagnostic Test Mode Switch	Off	Off						
	EGR Differential Pressure	10.6	10.1	InHg					
	EGR Temperature	569	540	°F					
	EGR Valve Position (Percent Open)	0	0	Percent					
	Engine Coolant Temperature	194.6	195.0	°F					
	Engine Hours	41091:25:35	41091:31:26	HH:MM:SS					
	Engine Oil Pressure	38.5	37.9	psi					
	Engine Oil Temperature	211.4	211.8	°F					
	Engine Protection Shutdown Override Switch	Off	Off						
	Engine Speed	2003	1660	RPM					

Fault Snapshot

Engine Serial Number :35129486
 Customer Unit Number :
 Work Order Name :WO-20161103-094625

INSITE - 8.2.0.184
 Company Name :Cummins Inc.
 ECM Image Name :I-20161103-094950583
 Customer Name :

Fault Code	Status	Count	Lamp	Description	PID	SID	J1587 FMI	J1939 FMI	SPN
	Fault Parameters	First	Last	Units					
	Exhaust Gas Pressure	58.9	49.3	InHg					
	Exhaust Gas Temperature (Calculated)	1691	1583	°F					
	Fan Control Switch	On	On						
	Intake Manifold Air Temperature	277.4	274.3	°F					
	Intake Manifold Pressure	13.4	8.7	InHg					
	Keyswitch	On	On						
	Low Idle Adjustment Switch	Neutral	Neutral						
	Percent Fuel	64	51	Percent					
	Percent Throttle	100	100	Percent					
	Remote Accelerator Switch	Off	Off						
	Remote PTO Switch	Off	Off						
	Turbocharger Compressor Inlet Air Temperature	92	92	°F					
	Turbocharger Compressor Outlet Air Temperature (Calculated)	131	117	°F					

Fault Snapshot

Engine Serial Number :35129486
 Customer Unit Number :
 Work Order Name :WO-20161103-094625

INSITE - 8.2.0.184
 Company Name :Cummins Inc.
 ECM Image Name :I-20161103-094950583
 Customer Name :

Fault Code	Status	Count	Lamp	Description	PID	SID	J1587 FMI	J1939 FMI	SPN
	Fault Parameters	First	Last	Units					
	Turbocharger Control Valve Command	70	70	Percent					
	Turbocharger Speed	52976	43856	RPM					
	User Fueling State	Air Fuel Control Derate	Air Fuel Control Derate						
	Vehicle Speed	23	10	mph					
<input type="checkbox"/> 2961	Inactive	3	None	EGR Temperature - Data Valid But Above Normal Operating Range - Least Severe Level	412		0	15	412
	ECM Time	41473:17:50	41473:35:49	HH:MM:SS					
	Accelerator Interlock State	Unlocked	Unlocked						
	Air Conditioning Pressure Switch	On	On						
	Barometric Air Pressure	29.9	29.9	InHg					
	Battery Voltage	27.69	27.69	V					
	Brake Pedal Position Switch	Released	Released						
	Clutch Pedal Position Switch	Released	Released						

Fault Snapshot

Engine Serial Number :35129486
 Customer Unit Number :
 Work Order Name :WO-20161103-094625

INSITE - 8.2.0.184
 Company Name :Cummins Inc.
 ECM Image Name :I-20161103-094950583
 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	Off	Off						
	Diagnostic Test Mode Switch	Off	Off						
	EGR Differential Pressure	10.6	10.6	InHg					
	EGR Temperature	560	548	°F					
	EGR Valve Position (Percent Open)	0	0	Percent					
	Engine Coolant Temperature	195.4	195.1	°F					
	Engine Hours	41091:13:29	41091:31:28	HH:MM:SS					
	Engine Oil Pressure	36.9	38.1	psi					
	Engine Oil Temperature	213.4	211.6	°F					
	Engine Protection Shutdown Override Switch	Off	Off						
	Engine Speed	1750	1726	RPM					
	Exhaust Gas Pressure	59.7	50.5	InHg					

Fault Snapshot

Engine Serial Number :35129486
 Customer Unit Number :
 Work Order Name :WO-20161103-094625

INSITE - 8.2.0.184
 Company Name :Cummins Inc.
 ECM Image Name :I-20161103-094950583
 Customer Name :

Fault Code	Status	Count	Lamp	Description	PID	SID	J1587 FMI	J1939 FMI	SPN
	Fault Parameters	First	Last	Units					
	Exhaust Gas Temperature (Calculated)	1603	1604	°F					
	Fan Control Switch	On	On						
	Intake Manifold Air Temperature	253.4	275.9	°F					
	Intake Manifold Pressure	18.0	9.4	InHg					
	Keyswitch	On	On						
	Low Idle Adjustment Switch	Neutral	Neutral						
	Percent Fuel	65	52	Percent					
	Percent Throttle	100	100	Percent					
	Remote Accelerator Switch	Off	Off						
	Remote PTO Switch	Off	Off						
	Turbocharger Compressor Inlet Air Temperature	89	92	°F					
	Turbocharger Compressor Outlet Air Temperature (Calculated)	142	119	°F					

Fault Snapshot

Engine Serial Number :35129486
 Customer Unit Number :
 Work Order Name :WO-20161103-094625

INSITE - 8.2.0.184
 Company Name :Cummins Inc.
 ECM Image Name :I-20161103-094950583
 Customer Name :

Fault Code	Status	Count	Lamp	Description	PID	SID	J1587 FMI	J1939 FMI	SPN
	Fault Parameters	First	Last	Units					
	Turbocharger Control Valve Command	70	70	Percent					
	Turbocharger Speed	59936	45240	RPM					
	User Fueling State	Air Fuel Control Derate	Air Fuel Control Derate						
	Vehicle Speed	27	10	mph					
<input type="checkbox"/> 2346	Inactive	5	None	Turbocharger Turbine Inlet Temperature (Calculated) - Data Valid But Above Normal Operating Range - Least Severe Level			0	15	2789
	ECM Time	41473:30:22	41473:34:57	HH:MM:SS					
	Accelerator Interlock State	Locked	Unlocked						
	Air Conditioning Pressure Switch	On	On						
	Barometric Air Pressure	29.9	29.9	InHg					
	Battery Voltage	27.88	27.81	V					
	Brake Pedal Position Switch	Depressed	Released						

Fault Snapshot

Engine Serial Number :35129486
 Customer Unit Number :
 Work Order Name :WO-20161103-094625

INSITE - 8.2.0.184
 Company Name :Cummins Inc.
 ECM Image Name :I-20161103-094950583
 Customer Name :

Fault Code	Status	Count	Lamp	Description	PID	SID	J1587 FMI	J1939 FMI	SPN
	Fault Parameters	First	Last	Units					
	Clutch Pedal Position Switch	Released	Released						
	Cruise Control ON/OFF Switch	Off	Off						
	Diagnostic Test Mode Switch	Off	Off						
	EGR Differential Pressure	1.5	6.8	InHg					
	EGR Temperature	470	512	°F					
	EGR Valve Position (Percent Open)	0	0	Percent					
	Engine Coolant Temperature	197.5	194.4	°F					
	Engine Hours	41091:26:01	41091:30:36	HH:MM:SS					
	Engine Oil Pressure	21.3	36.0	psi					
	Engine Oil Temperature	212.4	211.1	°F					
	Engine Protection Shutdown Override Switch	Off	Off						
	Engine Speed	694	1399	RPM					

Fault Snapshot

Engine Serial Number :35129486
 Customer Unit Number :
 Work Order Name :WO-20161103-094625

INSITE - 8.2.0.184
 Company Name :Cummins Inc.
 ECM Image Name :I-20161103-094950583
 Customer Name :

Fault Code	Status	Count	Lamp	Description	PID	SID	J1587 FMI	J1939 FMI	SPN
	Fault Parameters	First	Last	Units					
	Exhaust Gas Pressure	32.0	43.4	InHg					
	Exhaust Gas Temperature (Calculated)	714	1526	°F					
	Fan Control Switch	On	On						
	Intake Manifold Air Temperature	251.6	258.1	°F					
	Intake Manifold Pressure	0.3	5.9	InHg					
	Keyswitch	On	On						
	Low Idle Adjustment Switch	Neutral	Neutral						
	Percent Fuel	33	53	Percent					
	Percent Throttle	0	100	Percent					
	Remote Accelerator Switch	Off	Off						
	Remote PTO Switch	Off	Off						
	Turbocharger Compressor Inlet Air Temperature	92	93	°F					
	Turbocharger Compressor Outlet Air Temperature (Calculated)	97	113	°F					

Fault Snapshot

Engine Serial Number :35129486
 Customer Unit Number :
 Work Order Name :WO-20161103-094625

INSITE - 8.2.0.184
 Company Name :Cummins Inc.
 ECM Image Name :I-20161103-094950583
 Customer Name :

Fault Code	Status	Count	Lamp	Description	PID	SID	J1587 FMI	J1939 FMI	SPN
	Fault Parameters	First	Last	Units					
	Turbocharger Control Valve Command	70	70	Percent					
	Turbocharger Speed	13920	36776	RPM					
	User Fueling State	Low Speed Governor State	Air Fuel Control Derate						
	Vehicle Speed	0	16	mph					
<input type="checkbox"/> 9121	Inactive	2	None	EGR Valve Actuator Over Temperature (Calculated) - Data Valid But Above Normal Operating Range - Least Severe Level		146	0	15	2791
	ECM Time	41396:19:24	41461:10:44	HH:MM:SS					
	Accelerator Interlock State	Locked	Unlocked						
	Air Conditioning Pressure Switch	On	On						
	Barometric Air Pressure	30.1	30.1	InHg					
	Battery Voltage	27.38	28.06	V					
	Brake Pedal Position Switch	Released	Released						

Fault Snapshot

Engine Serial Number :35129486
 Customer Unit Number :
 Work Order Name :WO-20161103-094625

INSITE - 8.2.0.184
 Company Name :Cummins Inc.
 ECM Image Name :I-20161103-094950583
 Customer Name :

Fault Code	Status	Count	Lamp	Description	PID	SID	J1587 FMI	J1939 FMI	SPN
	Fault Parameters	First	Last	Units					
	Clutch Pedal Position Switch	Released	Released						
	Cruise Control ON/OFF Switch	Off	Off						
	Diagnostic Test Mode Switch	Off	Off						
	EGR Differential Pressure	1.1	1.1	InHg					
	EGR Temperature	199	222	°F					
	EGR Valve Position (Percent Open)	99	81	Percent					
	Engine Coolant Temperature	187.7	193.2	°F					
	Engine Hours	41014:47:06	41079:07:44	HH:MM:SS					
	Engine Oil Pressure	23.7	23.6	psi					
	Engine Oil Temperature	207.3	208.5	°F					
	Engine Protection Shutdown Override Switch	Off	Off						
	Engine Speed	707	705	RPM					

Fault Snapshot

Engine Serial Number :35129486
 Customer Unit Number :
 Work Order Name :WO-20161103-094625


INSITE - 8.2.0.184
 Company Name :Cummins Inc.
 ECM Image Name :I-20161103-094950583
 Customer Name :

Fault Code	Status	Count	Lamp	Description	PID	SID	J1587 FMI	J1939 FMI	SPN
	Fault Parameters	First	Last	Units					
	Exhaust Gas Pressure	31.4	32.0	InHg					
	Exhaust Gas Temperature (Calculated)	328	508	°F					
	Fan Control Switch	On	On						
	Intake Manifold Air Temperature	130.1	121.8	°F					
	Intake Manifold Pressure	0.6	1.2	InHg					
	Keyswitch	On	On						
	Low Idle Adjustment Switch	Neutral	Neutral						
	Percent Fuel	11	31	Percent					
	Percent Throttle	0	0	Percent					
	Remote Accelerator Switch	Off	Off						
	Remote PTO Switch	Off	Off						
	Turbocharger Compressor Inlet Air Temperature	101	85	°F					
	Turbocharger Compressor Outlet Air Temperature (Calculated)	86	78	°F					

Fault Snapshot

Engine Serial Number :35129486
 Customer Unit Number :
 Work Order Name :WO-20161103-094625

INSITE - 8.2.0.184
 Company Name :Cummins Inc.
 ECM Image Name :I-20161103-094950583
 Customer Name :

Fault Code	Status	Count	Lamp	Description	PID	SID	J1587 FMI	J1939 FMI	SPN
	Fault Parameters	First	Last	Units					
	Turbocharger Control Valve Command	70	70	Percent					
	Turbocharger Speed	14696	18480	RPM					
	User Fueling State	Low Speed Governor State	Low Speed Governor State						
	Vehicle Speed	0	0	mph					
 0197	Inactive	3	Amber	Coolant Level Low - Data Valid But Below Normal Operating Range - Moderately Severe Level	111		1	18	111
	ECM Time	41357:42:04	41357:44:20	HH:MM:SS					
	Accelerator Interlock State	Locked	Locked						
	Air Conditioning Pressure Switch	On	On						
	Barometric Air Pressure	30.1	30.0	InHg					
	Battery Voltage	24.06	23.19	V					
	Brake Pedal Position Switch	Released	Released						
	Clutch Pedal Position Switch	Released	Released						

Fault Snapshot

Engine Serial Number :35129486
 Customer Unit Number :
 Work Order Name :WO-20161103-094625

INSITE - 8.2.0.184
 Company Name :Cummins Inc.
 ECM Image Name :I-20161103-094950583
 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	Off	Off						
	Diagnostic Test Mode Switch	Off	Off						
	EGR Differential Pressure	0.0	0.0	InHg					
	EGR Temperature	72	76	°F					
	EGR Valve Position (Percent Open)	0	0	Percent					
	Engine Coolant Temperature	68.3	71.9	°F					
	Engine Hours	40976:30:04	40976:30:31	HH:MM:SS					
	Engine Oil Pressure	10.3	0.6	psi					
	Engine Oil Temperature	66.9	69.7	°F					
	Engine Protection Shutdown Override Switch	Off	Off						
	Engine Speed	0	0	RPM					
	Exhaust Gas Pressure	30.2	30.2	InHg					

Fault Snapshot

Engine Serial Number :35129486
 Customer Unit Number :
 Work Order Name :WO-20161103-094625

INSITE - 8.2.0.184
 Company Name :Cummins Inc.
 ECM Image Name :I-20161103-094950583
 Customer Name :

Fault Code	Status	Count	Lamp	Description	PID	SID	J1587 FMI	J1939 FMI	SPN
	Fault Parameters	First	Last	Units					
	Exhaust Gas Temperature (Calculated)	70	73	°F					
	Fan Control Switch	On	On						
	Intake Manifold Air Temperature	70.0	73.4	°F					
	Intake Manifold Pressure	0.2	0.0	InHg					
	Keyswitch	On	On						
	Low Idle Adjustment Switch	Neutral	Neutral						
	Percent Fuel	0	0	Percent					
	Percent Throttle	0	0	Percent					
	Remote Accelerator Switch	Off	Off						
	Remote PTO Switch	Off	Off						
	Turbocharger Compressor Inlet Air Temperature	69	73	°F					
	Turbocharger Compressor Outlet Air Temperature (Calculated)	69	73	°F					

Fault Snapshot

Engine Serial Number :35129486
 Customer Unit Number :
 Work Order Name :WO-20161103-094625

INSITE - 8.2.0.184
 Company Name :Cummins Inc.
 ECM Image Name :I-20161103-094950583
 Customer Name :

Fault Code	Status	Count	Lamp	Description	PID	SID	J1587 FMI	J1939 FMI	SPN
	Fault Parameters	First	Last	Units					
	Turbocharger Control Valve Command	4	4	Percent					
	Turbocharger Speed	0	0	RPM					
	User Fueling State	Engine Stop	Engine Stop						
	Vehicle Speed	0	0	mph					
 0235	Inactive	2	Red	Coolant Level Low - Data valid but below normal operational range - Most Severe Level	111		1	1	111
	ECM Time	41357:45:16	41357:48:29	HH:MM:SS					
	Accelerator Interlock State	Locked	Locked						
	Air Conditioning Pressure Switch	On	On						
	Barometric Air Pressure	29.9	30.0	InHg					
	Battery Voltage	20.00	22.00	V					
	Brake Pedal Position Switch	Released	Released						
	Clutch Pedal Position Switch	Released	Released						

Fault Snapshot

Engine Serial Number :35129486
 Customer Unit Number :
 Work Order Name :WO-20161103-094625

INSITE - 8.2.0.184
 Company Name :Cummins Inc.
 ECM Image Name :I-20161103-094950583
 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	Off	Off						
	Diagnostic Test Mode Switch	Off	Off						
	EGR Differential Pressure	0.0	0.0	InHg					
	EGR Temperature	75	75	°F					
	EGR Valve Position (Percent Open)	1	0	Percent					
	Engine Coolant Temperature	72.0	72.4	°F					
	Engine Hours	40976:30:33	40976:30:47	HH:MM:SS					
	Engine Oil Pressure	9.3	35.1	psi					
	Engine Oil Temperature	69.7	70.2	°F					
	Engine Protection Shutdown Override Switch	Off	Off						
	Engine Speed	232	651	RPM					
	Exhaust Gas Pressure	30.4	31.3	InHg					

Fault Snapshot

Engine Serial Number :35129486
 Customer Unit Number :
 Work Order Name :WO-20161103-094625


INSITE - 8.2.0.184
 Company Name :Cummins Inc.
 ECM Image Name :I-20161103-094950583
 Customer Name :

Fault Code	Status	Count	Lamp	Description	PID	SID	J1587 FMI	J1939 FMI	SPN
	Fault Parameters	First	Last	Units					
	Exhaust Gas Temperature (Calculated)	576	300	°F					
	Fan Control Switch	On	On						
	Intake Manifold Air Temperature	73.3	73.2	°F					
	Intake Manifold Pressure	0.0	0.0	InHg					
	Keyswitch	On	On						
	Low Idle Adjustment Switch	Neutral	Neutral						
	Percent Fuel	40	12	Percent					
	Percent Throttle	0	0	Percent					
	Remote Accelerator Switch	Off	On						
	Remote PTO Switch	Off	Off						
	Turbocharger Compressor Inlet Air Temperature	73	73	°F					
	Turbocharger Compressor Outlet Air Temperature (Calculated)	73	73	°F					

Fault Snapshot

Engine Serial Number :35129486
 Customer Unit Number :
 Work Order Name :WO-20161103-094625

INSITE - 8.2.0.184
 Company Name :Cummins Inc.
 ECM Image Name :I-20161103-094950583
 Customer Name :

Fault Code	Status	Count	Lamp	Description	PID	SID	J1587 FMI	J1939 FMI	SPN
	Fault Parameters	First	Last	Units					
	Turbocharger Control Valve Command	70	69	Percent					
	Turbocharger Speed	0	0	RPM					
	User Fueling State	Crank State	Low Speed Governor State						
	Vehicle Speed	0	0	mph					
 0141	Inactive	1	Amber	Oil Pressure Sensor Circuit - Voltage below normal, or shorted to low source	100		4	4	100
	ECM Time	41357:41:38	41357:41:38	HH:MM:SS					
	Accelerator Interlock State	Locked	Locked						
	Air Conditioning Pressure Switch	On	On						
	Barometric Air Pressure	30.1	30.1	InHg					
	Battery Voltage	24.06	24.06	V					
	Brake Pedal Position Switch	Released	Released						
	Clutch Pedal Position Switch	Released	Released						

Fault Snapshot

Engine Serial Number :35129486
 Customer Unit Number :
 Work Order Name :WO-20161103-094625

INSITE - 8.2.0.184
 Company Name :Cummins Inc.
 ECM Image Name :I-20161103-094950583
 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	Off	Off						
	Diagnostic Test Mode Switch	Off	Off						
	EGR Differential Pressure	0.0	0.0	InHg					
	EGR Temperature	72	72	°F					
	EGR Valve Position (Percent Open)	0	0	Percent					
	Engine Coolant Temperature	68.3	68.3	°F					
	Engine Hours	40976:30:04	40976:30:04	HH:MM:SS					
	Engine Oil Pressure	10.3	10.3	psi					
	Engine Oil Temperature	66.7	66.7	°F					
	Engine Protection Shutdown Override Switch	Off	Off						
	Engine Speed	0	0	RPM					
	Exhaust Gas Pressure	30.2	30.2	InHg					

Fault Snapshot

Engine Serial Number :35129486
 Customer Unit Number :
 Work Order Name :WO-20161103-094625

INSITE - 8.2.0.184
 Company Name :Cummins Inc.
 ECM Image Name :I-20161103-094950583
 Customer Name :

Fault Code	Status	Count	Lamp	Description	PID	SID	J1587 FMI	J1939 FMI	SPN
	Fault Parameters	First	Last	Units					
	Exhaust Gas Temperature (Calculated)	70	70	°F					
	Fan Control Switch	On	On						
	Intake Manifold Air Temperature	69.9	69.9	°F					
	Intake Manifold Pressure	0.2	0.2	InHg					
	Keyswitch	On	On						
	Low Idle Adjustment Switch	Neutral	Neutral						
	Percent Fuel	0	0	Percent					
	Percent Throttle	0	0	Percent					
	Remote Accelerator Switch	Off	Off						
	Remote PTO Switch	Off	Off						
	Turbocharger Compressor Inlet Air Temperature	69	69	°F					
	Turbocharger Compressor Outlet Air Temperature (Calculated)	69	69	°F					

Fault Snapshot

Engine Serial Number :35129486
 Customer Unit Number :
 Work Order Name :WO-20161103-094625

INSITE - 8.2.0.184
 Company Name :Cummins Inc.
 ECM Image Name :I-20161103-094950583
 Customer Name :

Fault Code	Status	Count	Lamp	Description	PID	SID	J1587 FMI	J1939 FMI	SPN
	Fault Parameters	First	Last	Units					
	Turbocharger Control Valve Command	4	4	Percent					
	Turbocharger Speed	0	0	RPM					
	User Fueling State	Engine Stop	Engine Stop						
	Vehicle Speed	0	0	mph					
 0255	Inactive	1	Amber	Engine Fuel Shutoff Valve Circuit - Voltage above normal, or shorted to high source		17	3	3	632
	ECM Time	41357:41:36	41357:41:36	HH:MM:SS					
	Accelerator Interlock State	Locked	Locked						
	Air Conditioning Pressure Switch	On	On						
	Barometric Air Pressure	30.1	30.1	InHg					
	Battery Voltage	24.06	24.06	V					
	Brake Pedal Position Switch	Released	Released						
	Clutch Pedal Position Switch	Released	Released						

Fault Snapshot

Engine Serial Number :35129486
 Customer Unit Number :
 Work Order Name :WO-20161103-094625

INSITE - 8.2.0.184
 Company Name :Cummins Inc.
 ECM Image Name :I-20161103-094950583
 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	Off	Off						
	Diagnostic Test Mode Switch	Off	Off						
	EGR Differential Pressure	0.0	0.0	InHg					
	EGR Temperature	72	72	°F					
	EGR Valve Position (Percent Open)	0	0	Percent					
	Engine Coolant Temperature	68.2	68.2	°F					
	Engine Hours	40976:30:04	40976:30:04	HH:MM:SS					
	Engine Oil Pressure	10.3	10.3	psi					
	Engine Oil Temperature	66.7	66.7	°F					
	Engine Protection Shutdown Override Switch	Off	Off						
	Engine Speed	0	0	RPM					
	Exhaust Gas Pressure	30.2	30.2	InHg					

Fault Snapshot

Engine Serial Number :35129486
 Customer Unit Number :
 Work Order Name :WO-20161103-094625


INSITE - 8.2.0.184
 Company Name :Cummins Inc.
 ECM Image Name :I-20161103-094950583
 Customer Name :

Fault Code	Status	Count	Lamp	Description	PID	SID	J1587 FMI	J1939 FMI	SPN
	Fault Parameters	First	Last	Units					
	Exhaust Gas Temperature (Calculated)	70	70	°F					
	Fan Control Switch	On	On						
	Intake Manifold Air Temperature	69.8	69.8	°F					
	Intake Manifold Pressure	0.2	0.2	InHg					
	Keyswitch	On	On						
	Low Idle Adjustment Switch	Neutral	Neutral						
	Percent Fuel	0	0	Percent					
	Percent Throttle	0	0	Percent					
	Remote Accelerator Switch	Off	Off						
	Remote PTO Switch	Off	Off						
	Turbocharger Compressor Inlet Air Temperature	69	69	°F					
	Turbocharger Compressor Outlet Air Temperature (Calculated)	69	69	°F					

Fault Snapshot

Engine Serial Number :35129486
 Customer Unit Number :
 Work Order Name :WO-20161103-094625

INSITE - 8.2.0.184
 Company Name :Cummins Inc.
 ECM Image Name :I-20161103-094950583
 Customer Name :

Fault Code	Status	Count	Lamp	Description	PID	SID	J1587 FMI	J1939 FMI	SPN
	Fault Parameters	First	Last	Units					
	Turbocharger Control Valve Command	4	4	Percent					
	Turbocharger Speed	0	0	RPM					
	User Fueling State	Engine Stop	Engine Stop						
	Vehicle Speed	0	0	mph					
 1119	Inactive	10	Amber	Engine Coolant Temperature - Data Valid But Above Normal Operating Range - Moderately Severe Level	110		0	16	110
	ECM Time	40771:51:33	41264:11:40	HH:MM:SS					
	Accelerator Interlock State	Locked	Locked						
	Air Conditioning Pressure Switch	On	On						
	Barometric Air Pressure	29.9	29.7	InHg					
	Battery Voltage	25.56	26.50	V					
	Brake Pedal Position Switch	Released	Depressed						
	Clutch Pedal Position Switch	Released	Released						

Fault Snapshot

Engine Serial Number :35129486
 Customer Unit Number :
 Work Order Name :WO-20161103-094625

INSITE - 8.2.0.184
 Company Name :Cummins Inc.
 ECM Image Name :I-20161103-094950583
 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	Off	Off						
	Diagnostic Test Mode Switch	Off	Off						
	EGR Differential Pressure	-0.1	0.6	InHg					
	EGR Temperature	194	202	°F					
	EGR Valve Position (Percent Open)	0	35	Percent					
	Engine Coolant Temperature	220.4	216.1	°F					
	Engine Hours	40394:59:44	40883:47:59	HH:MM:SS					
	Engine Oil Pressure	0.0	21.2	psi					
	Engine Oil Temperature	214.8	212.5	°F					
	Engine Protection Shutdown Override Switch	Off	Off						
	Engine Speed	0	676	RPM					
	Exhaust Gas Pressure	30.0	31.1	InHg					

Fault Snapshot

Engine Serial Number :35129486
 Customer Unit Number :
 Work Order Name :WO-20161103-094625

INSITE - 8.2.0.184
 Company Name :Cummins Inc.
 ECM Image Name :I-20161103-094950583
 Customer Name :

Fault Code	Status	Count	Lamp	Description	PID	SID	J1587 FMI	J1939 FMI	SPN
	Fault Parameters	First	Last	Units					
	Exhaust Gas Temperature (Calculated)	202	689	°F					
	Fan Control Switch	On	On						
	Intake Manifold Air Temperature	202.0	190.8	°F					
	Intake Manifold Pressure	0.0	0.0	InHg					
	Keyswitch	On	On						
	Low Idle Adjustment Switch	Neutral	Neutral						
	Percent Fuel	0	37	Percent					
	Percent Throttle	0	0	Percent					
	Remote Accelerator Switch	Off	Off						
	Remote PTO Switch	Off	Off						
	Turbocharger Compressor Inlet Air Temperature	217	206	°F					
	Turbocharger Compressor Outlet Air Temperature (Calculated)	108	116	°F					

Fault Snapshot

Engine Serial Number :35129486
 Customer Unit Number :
 Work Order Name :WO-20161103-094625

INSITE - 8.2.0.184
 Company Name :Cummins Inc.
 ECM Image Name :I-20161103-094950583
 Customer Name :

Fault Code	Status	Count	Lamp	Description	PID	SID	J1587 FMI	J1939 FMI	SPN
	Fault Parameters	First	Last	Units					
	Turbocharger Control Valve Command	4	61	Percent					
	Turbocharger Speed	0	12840	RPM					
	User Fueling State	Engine Stop	Low Speed Governor State						
	Vehicle Speed	0	0	mph					
<input type="checkbox"/> 2963	Inactive	1	None	Engine Coolant Temperature High - Data Valid But Above Normal Operating Range Least Severe Level	110		0	15	110
	ECM Time	41252:34:30	41252:34:30	HH:MM:SS					
	Accelerator Interlock State	Unlocked	Unlocked						
	Air Conditioning Pressure Switch	On	On						
	Barometric Air Pressure	29.9	29.9	InHg					
	Battery Voltage	26.31	26.31	V					
	Brake Pedal Position Switch	Depressed	Depressed						

Fault Snapshot

Engine Serial Number :35129486
 Customer Unit Number :
 Work Order Name :WO-20161103-094625

INSITE - 8.2.0.184
 Company Name :Cummins Inc.
 ECM Image Name :I-20161103-094950583
 Customer Name :

Fault Code	Status	Count	Lamp	Description	PID	SID	J1587 FMI	J1939 FMI	SPN
	Fault Parameters	First	Last	Units					
	Clutch Pedal Position Switch	Released	Released						
	Cruise Control ON/OFF Switch	Off	Off						
	Diagnostic Test Mode Switch	Off	Off						
	EGR Differential Pressure	0.6	0.6	InHg					
	EGR Temperature	337	337	°F					
	EGR Valve Position (Percent Open)	44	44	Percent					
	Engine Coolant Temperature	215.6	215.6	°F					
	Engine Hours	40872:11:14	40872:11:14	HH:MM:SS					
	Engine Oil Pressure	18.2	18.2	psi					
	Engine Oil Temperature	227.6	227.6	°F					
	Engine Protection Shutdown Override Switch	Off	Off						
	Engine Speed	679	679	RPM					

Fault Snapshot

Engine Serial Number :35129486
 Customer Unit Number :
 Work Order Name :WO-20161103-094625

INSITE - 8.2.0.184
 Company Name :Cummins Inc.
 ECM Image Name :I-20161103-094950583
 Customer Name :

Fault Code	Status	Count	Lamp	Description	PID	SID	J1587 FMI	J1939 FMI	SPN
	Fault Parameters	First	Last	Units					
	Exhaust Gas Pressure	33.5	33.5	InHg					
	Exhaust Gas Temperature (Calculated)	590	590	°F					
	Fan Control Switch	On	On						
	Intake Manifold Air Temperature	139.1	139.1	°F					
	Intake Manifold Pressure	1.6	1.6	InHg					
	Keyswitch	On	On						
	Low Idle Adjustment Switch	Neutral	Neutral						
	Percent Fuel	34	34	Percent					
	Percent Throttle	0	0	Percent					
	Remote Accelerator Switch	Off	Off						
	Remote PTO Switch	Off	Off						
	Turbocharger Compressor Inlet Air Temperature	115	115	°F					
	Turbocharger Compressor Outlet Air Temperature (Calculated)	134	134	°F					

Fault Snapshot

Engine Serial Number :35129486
 Customer Unit Number :
 Work Order Name :WO-20161103-094625

INSITE - 8.2.0.184
 Company Name :Cummins Inc.
 ECM Image Name :I-20161103-094950583
 Customer Name :

Fault Code	Status	Count	Lamp	Description	PID	SID	J1587 FMI	J1939 FMI	SPN
	Fault Parameters	First	Last	Units					
	Turbocharger Control Valve Command	70	70	Percent					
	Turbocharger Speed	22800	22800	RPM					
	User Fueling State	Low Speed Governor State	Low Speed Governor State						
	Vehicle Speed	4	4	mph					

Features and Parameters

Engine Serial Number :35129486
 Customer Unit Number :
 Work Order Name :WO-20161103-094625

INSITE - 8.2.0.184
 Company Name :Cummins Inc.
 ECM Image Name :I-20161103-094950583
 Customer Name :

Features and Parameters

Features and Parameters	ECM Value	Units
ISM - CM875		
CM875		
System ID and Dataplate		
Calibration Information		
Calibration Software Phase	06050510	
Calibration Time/Date Stamp		
DO Option	2428	
ECM Code	AG20234.19	
Other Options		
SC Option	20777	
Customer Information		

Features and Parameters

Engine Serial Number :35129486
 Customer Unit Number :
 Work Order Name :WO-20161103-094625

INSITE - 8.2.0.184
 Company Name :Cummins Inc.
 ECM Image Name :I-20161103-094950583
 Customer Name :

Features and Parameters	ECM Value	Units
Customer Location		
Customer Name		
Customer Unit Number		
<input type="checkbox"/> ECM Information		
ECM Name	EB	
ECM Part Number	3103533	
ECM Serial Number	2027729	
<input type="checkbox"/> Engine Information		
Control Parts List	8560	
Engine Build Date	51105	
Engine Make	CMMNS	
Engine Model	MTA11	

Features and Parameters

Engine Serial Number :35129486
 Customer Unit Number :
 Work Order Name :WO-20161103-094625

INSITE - 8.2.0.184
 Company Name :Cummins Inc.
 ECM Image Name :I-20161103-094950583
 Customer Name :

Features and Parameters	ECM Value	Units
Engine Serial Number	35129486	
<input type="checkbox"/> System Information		
Advertised Power at RPM	280	hp
Advertised Power RPM	0	RPM
Fuel Code	FC0XM13	
Governed Speed	2100	RPM
Peak Torque	1200	RPM
Peak Torque at RPM	925	ft*lb
<input type="checkbox"/> Vehicle/OEM Information		
OEM Name		
OEM Vehicle or Equipment Model	MTA11	
Vehicle Identification Number or Equipment Serial Number		

Features and Parameters

Engine Serial Number :35129486
 Customer Unit Number :
 Work Order Name :WO-20161103-094625

INSITE - 8.2.0.184
 Company Name :Cummins Inc.
 ECM Image Name :I-20161103-094950583
 Customer Name :

Features and Parameters	ECM Value	Units
Vehicle or Equipment Year		
<input type="checkbox"/> Accelerator Interlock	Enable	
Accelerator Interlock Switch Setup	Active Open	
<input type="checkbox"/> Adjustable High Idle Governor Speed		
High Idle Governor Speed	2100	RPM
OEM Maximum High Idle Governor Speed	2100	RPM
OEM Minimum High Idle Governor Speed	2100	RPM
<input type="checkbox"/> Adjustable Low Idle Speed	Enable	
Low Idle Speed	700	RPM
Low Idle Speed Adjustment Switch	Disable	
<input type="checkbox"/> Battery Voltage Monitor	Enable	
Idle Speedup	Disable	

Features and Parameters

Engine Serial Number :35129486
 Customer Unit Number :
 Work Order Name :WO-20161103-094625

INSITE - 8.2.0.184
 Company Name :Cummins Inc.
 ECM Image Name :I-20161103-094950583
 Customer Name :

Features and Parameters	ECM Value	Units
Cruise Control	Disable	
<input type="checkbox"/> Cruise Control Switch Setup <ul style="list-style-type: none"> Cruise Switch Setup 	Enable	
<input type="checkbox"/> Driver Reward <ul style="list-style-type: none"> Engine Brake Control 	Disable	
<input type="checkbox"/> Engine Coolant Level Sensor <ul style="list-style-type: none"> Engine Protection <ul style="list-style-type: none"> Engine Protection Limited Restart Engine Protection Shutdown Engine Protection Shutdown Manual Override 	Installed	
<input type="checkbox"/> Fan Control <ul style="list-style-type: none"> Gear-Down Protection 	Disable	

Features and Parameters

Engine Serial Number :35129486
 Customer Unit Number :
 Work Order Name :WO-20161103-094625

INSITE - 8.2.0.184
 Company Name :Cummins Inc.
 ECM Image Name :I-20161103-094950583
 Customer Name :

Features and Parameters	ECM Value	Units
<input type="checkbox"/> Governor Type		
Governor Type	Automotive	
Governor Type Switch	Disable	
Idle Shutdown	Disable	
<input type="checkbox"/> J1939 Controls	Enable	
J1939 Service Reset	Disable	
J1939 Stop Broadcast Allowed	Enable	
J1939 Trip Reset	Disable	
<input type="checkbox"/> PTO / Remote PTO		
Maximum Vehicle Speed in PTO	6	mph
Service Brake Override in PTO	Enable	
<input type="checkbox"/> PTO/Remote PTO	Enable	

Features and Parameters

Engine Serial Number :35129486
 Customer Unit Number :
 Work Order Name :WO-20161103-094625

INSITE - 8.2.0.184
 Company Name :Cummins Inc.
 ECM Image Name :I-20161103-094950583
 Customer Name :

Features and Parameters	ECM Value	Units
Alternate PTO	Disable	
Clutch Override in PTO	Enable	
Maximum Engine Load in PTO	2100	ft*lb
Maximum PTO Speed	1000	RPM
Minimum PTO Speed	600	RPM
Number of Remote PTO Set Speeds	1	
PTO Active with VSS Ignored	Disable	
PTO Additional Switch Speed	1000	RPM
PTO Ramp Rate	200	rpm/s
PTO Resume Switch Speed	1000	RPM
PTO Set Switch Speed	1000	RPM
PTO with Parking Brake ON	Disable	

Features and Parameters

Engine Serial Number :35129486
 Customer Unit Number :
 Work Order Name :WO-20161103-094625

INSITE - 8.2.0.184
 Company Name :Cummins Inc.
 ECM Image Name :I-20161103-094950583
 Customer Name :

Features and Parameters	ECM Value	Units
PTO Zero VSS Limit	Enable	
Remote Set Speed 1	1000	RPM
Accelerator Override in PTO	Disable	
<input type="checkbox"/> Multiple PTO Trip Information <ul style="list-style-type: none"> <li data-bbox="241 716 1010 789">PTO Speed 1 Device <li data-bbox="241 789 1010 862">PTO Speed 2 Device <li data-bbox="241 862 1010 935">PTO Speed 3 Device <li data-bbox="241 935 1010 1008">PTO Speed 4 Device <li data-bbox="241 1008 1010 1081">PTO Speed 5 Device <li data-bbox="241 1081 1010 1154">PTO Speed 6 Device <li data-bbox="241 1154 1010 1227">PTO Speed 7 Device <li data-bbox="241 1227 1010 1282">PTO Speed 8 Device 		
	PTONAME1	
	PTONAME2	
	PTONAME3	
	PTONAME4	
	PTONAME5	
	PTONAME6	
	PTONAME7	
	PTONAME8	

Features and Parameters

Engine Serial Number :35129486
 Customer Unit Number :
 Work Order Name :WO-20161103-094625

INSITE - 8.2.0.184
 Company Name :Cummins Inc.
 ECM Image Name :I-20161103-094950583
 Customer Name :

Features and Parameters	ECM Value	Units
Remote Accelerator	Enable	
Remote Accelerator Override	Disable	
Road Speed Governor		
Road Speed Governor Feature Enable	Enable	
Maximum Accelerator Vehicle Speed	65	mph
Maximum Vehicle Speed	70	mph
Road Speed Governor Lower Droop	1	mph
Road Speed Governor Upper Droop	0	mph
Reserve Speed Enable	Disable	
Smart Road Speed Governor	Disable	
SAE J1939 Multiplexing	Disable	
Starter Lockout	Disable	

Features and Parameters

Engine Serial Number :35129486
 Customer Unit Number :
 Work Order Name :WO-20161103-094625

INSITE - 8.2.0.184
 Company Name :Cummins Inc.
 ECM Image Name :I-20161103-094950583
 Customer Name :

Features and Parameters	ECM Value	Units
Switched Maximum Engine Operating Speed	Disable	
Tire Wear Adjustment	Disable	
<input type="checkbox"/> Transmission Setup		
Clutch Pedal Position Switch	Not Installed	
Gear Down Transmission Ratio	1.00	
Top Gear Transmission Ratio	0.73	
Transmission Type	Automatic	
<input type="checkbox"/> Trip Information	Enable	
Engine Distance Offset	0	mi
Engine Time Offset	0	hrs
Vehicle Overspeed 1	68	mph
Vehicle Overspeed 2	70	mph

Features and Parameters

Engine Serial Number :35129486
 Customer Unit Number :
 Work Order Name :WO-20161103-094625

INSITE - 8.2.0.184
 Company Name :Cummins Inc.
 ECM Image Name :I-20161103-094950583
 Customer Name :

Features and Parameters	ECM Value	Units
<input type="checkbox"/> Vehicle Electrical System Voltage	Enable	
Vehicle Electrical System Voltage	24 Volt	
Vehicle Speed Sensor Anti-Tampering	Disable	
<input type="checkbox"/> Vehicle Speed Source		
Maximum Engine Speed Droop Option	Droop NOT Added to Engine Speed	
Maximum Engine Speed without VSS	2000	RPM
Number of Transmission Tailshaft Gear Teeth	16	
Rear Axle Ratio	5.33	
Tire Size	518	revs/mi
Vehicle Speed Sensor Type	Data Link - Tailshaft	
Water In Fuel Sensor	Installed	

Maintenance Monitor

Engine Serial Number : 35129486
Customer Unit Number :
Work Order Name : WO-20161103-094625

INSITE - 8.2.0.184
Company Name : Cummins Inc.
ECM Image Name : I-20161103-094950583
Customer Name :

Maintenance Monitor

Special Feature and Parameters	Value	Units			
This feature is not supported by the current calibration.					

Engine Serial Number :35129486
Customer Unit Number :
Work Order Name :WO-20161103-094625

Multi-Level ECM Security

INSITE - 8.2.0.184
Company Name :Cummins Inc.
ECM Image Name :I-20161103-094950583
Customer Name :

Multi Level ECM Security

Password	Value
Master Password	Disabled
Adjustable Password	Disabled
Reset Password	Disabled
OEM Password	Disabled

Engine Serial Number : 35129486
Customer Unit Number :
Work Order Name : WO-20161103-094625

Real Time Clock

INSITE - 8.2.0.184
Company Name : Cummins Inc.
ECM Image Name : I-20161103-094950583
Customer Name :

Real Time Clock

Parameter	Value	Units
This feature is not supported by the calibration or hardware on the engine		

SAE J1939 Multiplexed Fault Data

Engine Serial Number :35129486
 Customer Unit Number :
 Work Order Name :WO-20161103-094625

INSITE - 8.2.0.184
 Company Name :Cummins Inc.
 ECM Image Name :I-20161103-094950583
 Customer Name :

SAE J1939 Multiplexed Fault Data

Fault Code	Multiplexed Component or Data Parameter	Status	Total ECM Time (Key On Time)	ECM Real Time	
<input type="checkbox"/> CM875					
<input type="checkbox"/> 0285	SAE J1939 Multiplexing PGN Timeout Error				
	No SAE J1939 Multiplexed Fault Data is available for display because there has been no occurrence of Fault Code 0285				
<input type="checkbox"/> 0286	SAE J1939 Multiplexing Configuration Error				
	No SAE J1939 Multiplexed Fault Data is available for display because there has been no occurrence of Fault Code 0286				

SAE J1939 Powertrain Control

Engine Serial Number :35129486
 Customer Unit Number :
 Work Order Name :WO-20161103-094625

INSITE - 8.2.0.184
 Company Name :Cummins Inc.
 ECM Image Name :I-20161103-094950583
 Customer Name :

SAE J1939 Powertrain Control

Event	Source	Destination	Modes	ECM Time(Start)	ECM Real Time(Start)	Duration	
Newest	Transmission	Engine	Speed/Torque Limit Control Speed/Torque Limit Control Speed/Torque Limit Control Speed/Torque Limit Control	41723:08:34	Not Applicable	0:00:00	
2	Transmission	Engine		41723:01:59	Not Applicable	0:00:01	
3	Transmission	Engine		41722:54:39	Not Applicable	0:00:01	
4	Transmission	Engine		41722:53:53	Not Applicable	0:00:00	
Oldest	Transmission	Engine		41716:27:23	Not Applicable	0:00:00	
			ECM Time (Key On Time) :	41724:49:46			

Engine Serial Number :35129486
 Customer Unit Number :
 Work Order Name :WO-20161103-094625

System ID and Dataplate

INSITE - 8.2.0.184
 Company Name :Cummins Inc.
 ECM Image Name :I-20161103-094950583
 Customer Name :

System ID And Dataplate

Features and Parameters	ECM Value	Units
ISM - CM875		
CM875		
System ID and Dataplate		
Calibration Information		
Calibration Software Phase	06050510	
Calibration Time/Date Stamp		
DO Option	2428	
ECM Code	AG20234.19	
Other Options		
SC Option	20777	
Customer Information		

System ID and Dataplate

Engine Serial Number :35129486
 Customer Unit Number :
 Work Order Name :WO-20161103-094625

INSITE - 8.2.0.184
 Company Name :Cummins Inc.
 ECM Image Name :I-20161103-094950583
 Customer Name :

Features and Parameters	ECM Value	Units
Customer Location		
Customer Name		
Customer Unit Number		
<input type="checkbox"/> ECM Information		
ECM Name	EB	
ECM Part Number	3103533	
ECM Serial Number	2027729	
<input type="checkbox"/> Engine Information		
Control Parts List	8560	
Engine Build Date	51105	
Engine Make	CMMNS	
Engine Model	MTA11	

System ID and Dataplate

Engine Serial Number :35129486
 Customer Unit Number :
 Work Order Name :WO-20161103-094625

INSITE - 8.2.0.184
 Company Name :Cummins Inc.
 ECM Image Name :I-20161103-094950583
 Customer Name :

Features and Parameters	ECM Value	Units
Engine Serial Number	35129486	
<input type="checkbox"/> System Information		
Advertised Power at RPM	280	hp
Advertised Power RPM	0	RPM
Fuel Code	FC0XM13	
Governed Speed	2100	RPM
Peak Torque	1200	RPM
Peak Torque at RPM	925	ft*lb
<input type="checkbox"/> Vehicle/OEM Information		
OEM Name		
OEM Vehicle or Equipment Model	MTA11	
Vehicle Identification Number or Equipment Serial Number		

System ID and Dataplate

Engine Serial Number :35129486
Customer Unit Number :
Work Order Name :WO-20161103-094625

INSITE - 8.2.0.184
Company Name :Cummins Inc.
ECM Image Name :I-20161103-094950583
Customer Name :

Features and Parameters	ECM Value	Units
Vehicle or Equipment Year		

Engine Serial Number :35129486
Customer Unit Number :
Work Order Name :WO-20161103-094625

Technician's Note

INSITE - 8.2.0.184
Company Name :Cummins Inc.
ECM Image Name :I-20161103-094950583
Customer Name :

Technician's Note

Description	Image of Accident Vehicle MTA BusFinal Image of ECM Mta Bus Accident Vehicle
-------------	---

Trip Information

Engine Serial Number :35129486
 Customer Unit Number :
 Work Order Name :WO-20161103-094625

INSITE - 8.2.0.184
 Company Name :Cummins Inc.
 ECM Image Name :I-20161103-094950583
 Customer Name :

Trip Information

Name	ECM Value	Units
<input type="checkbox"/> ISM - CM875		
<input type="checkbox"/> CM875		
<input type="checkbox"/> All Trips (Cumulative)		
<input type="checkbox"/> Distance		
<input type="checkbox"/> Total ECM Distance	500353.0	mi
<input type="checkbox"/> Total Engine Distance	499988.0	mi
<input type="checkbox"/> Total Service Brake Distance	72431.0	mi
<input type="checkbox"/> Fuel Used		
<input type="checkbox"/> Total Cruise Control Fuel Used	0.0	gal
<input type="checkbox"/> Total Fuel Used	144107.8	gal
<input type="checkbox"/> Total Gear Down Fuel Used	23864.9	gal
<input type="checkbox"/> Total Idle Fuel Used	18680.4	gal
<input type="checkbox"/> Total Loaded PTO Drive Fuel Used	0.0	gal
<input type="checkbox"/> Total Maximum Accelerator Vehicle Speed Fuel Used	1169.0	gal
<input type="checkbox"/> Total PTO Drive Fuel Used	0.0	gal
<input type="checkbox"/> Total PTO Fuel Used	1244.5	gal
<input type="checkbox"/> Total Top Gear Fuel Used	22363.1	gal
<input type="checkbox"/> Multiple PTO		
<input type="checkbox"/> PTO Device 1	PTONAME1	
<input type="checkbox"/> PTO Device 2	PTONAME2	
<input type="checkbox"/> PTO Device 3	PTONAME3	
<input type="checkbox"/> PTO Device 4	PTONAME4	
<input type="checkbox"/> PTO Device 5	PTONAME5	
<input type="checkbox"/> PTO Device 6	PTONAME6	
<input type="checkbox"/> PTO Device 7	PTONAME7	
<input type="checkbox"/> PTO Device 8	PTONAME8	

Trip Information

Engine Serial Number :35129486
 Customer Unit Number :
 Work Order Name :WO-20161103-094625

INSITE - 8.2.0.184
 Company Name :Cummins Inc.
 ECM Image Name :I-20161103-094950583
 Customer Name :

Name	ECM Value	Units
Fuel		
PTO Device 1 Total Fuel Used	1	gal
PTO Device 2 Total Fuel Used	0	gal
PTO Device 3 Total Fuel Used	0	gal
PTO Device 4 Total Fuel Used	1244	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
Time		
PTO Device 1 Total Time	0	hrs
PTO Device 2 Total Time	0	hrs
PTO Device 3 Total Time	0	hrs
PTO Device 4 Total Time	1012	hrs
PTO Device 5 Total Time	0	hrs
PTO Device 6 Total Time	0	hrs
PTO Device 7 Total Time	0	hrs
PTO Device 8 Total Time	0	hrs
Other		
Total Average Engine Speed	1015	RPM
Total Average Fuel Economy	3.4	mpg
Total Engine Protection Shutdown Manual Overrides	535	
Time		
Total Cruise Control Time	0.0	hrs
Total ECM Time (Key On Time)	41705.5	hrs
Total Engine Run Time	41341.0	hrs
Total Gear Down Time	5164.1	hrs
Total Idle Time	16181.2	hrs
Total Maximum Accelerator Vehicle Speed Time	124.1	hrs
Total PTO Drive Time	0.0	hrs

Trip Information

Engine Serial Number :35129486
 Customer Unit Number :
 Work Order Name :WO-20161103-094625

INSITE - 8.2.0.184
 Company Name :Cummins Inc.
 ECM Image Name :I-20161103-094950583
 Customer Name :

Name	ECM Value	Units
◆ Total PTO Time	1013.3	hrs
◆ Total Service Brake Time	5660.6	hrs
◆ Total Top Gear Time	4093.0	hrs
[-] Trip Since Last Reset		
[-] Distance		
◆ Active Service Brake Distance	45554.0	mi
◆ Cruise Control Distance	0.0	mi
◆ Maximum Accelerator Vehicle Speed Distance	3902.0	mi
◆ PTO Drive Distance	0.0	mi
◆ Trip Distance	326704.0	mi
◆ Trip Gear Down Distance	92193.8	mi
◆ Trip Percent Distance Vehicle Overspeed 1	0.3	Percent
◆ Trip Percent Distance Vehicle Overspeed 2	0.3	Percent
◆ Trip Top Gear Distance	107024.7	mi
◆ Vehicle Overspeed 1 Distance	1257.0	mi
◆ Vehicle Overspeed 2 Distance	1257.0	mi
[-] Fuel Used		
◆ Cruise Control Fuel Used	0.0	gal
◆ Maximum Accelerator Vehicle Speed Fuel Used	579.8	gal
◆ PTO Drive Fuel Used	0.0	gal
◆ PTO Fuel Used	887.5	gal
◆ Trip Average Fuel Economy	3.441	mpg
◆ Trip Average Fuel Rate	3.3	gph
◆ Trip Drive Average Fuel Economy	4.059	mpg
◆ Trip Drive Fuel Used	80446.4	gal
◆ Trip Fuel Used	94918.9	gal
◆ Trip Gear Down Fuel Used	15094.8	gal
◆ Trip Idle Fuel Used	13585.0	gal
◆ Trip Top Gear Fuel Used	14691.9	gal
◆ Vehicle Overspeed 1 Fuel Used	96.6	gal

Trip Information

Engine Serial Number :35129486
 Customer Unit Number :
 Work Order Name :WO-20161103-094625

INSITE - 8.2.0.184
 Company Name :Cummins Inc.
 ECM Image Name :I-20161103-094950583
 Customer Name :

Name	ECM Value	Units
Vehicle Overspeed 2 Fuel Used	96.6	gal
Multiple PTO		
PTO Device 1	PTONAME1	
PTO Device 2	PTONAME2	
PTO Device 3	PTONAME3	
PTO Device 4	PTONAME4	
PTO Device 5	PTONAME5	
PTO Device 6	PTONAME6	
PTO Device 7	PTONAME7	
PTO Device 8	PTONAME8	
Fuel		
PTO Device 1 Trip Fuel Used	1	gal
PTO Device 2 Trip Fuel Used	0	gal
PTO Device 3 Trip Fuel Used	0	gal
PTO Device 4 Trip Fuel Used	887	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
Time		
PTO Device 1 Trip Time	0	hrs
PTO Device 2 Trip Time	0	hrs
PTO Device 3 Trip Time	0	hrs
PTO Device 4 Trip Time	699	hrs
PTO Device 5 Trip Time	0	hrs
PTO Device 6 Trip Time	0	hrs
PTO Device 7 Trip Time	0	hrs
PTO Device 8 Trip Time	0	hrs
Other		
Engine Protection Shutdown Manual Overrides	532	

Trip Information

Engine Serial Number :35129486
 Customer Unit Number :
 Work Order Name :WO-20161103-094625

INSITE - 8.2.0.184
 Company Name :Cummins Inc.
 ECM Image Name :I-20161103-094950583
 Customer Name :

Name	ECM Value	Units
Maximum Accelerator Vehicle Speed	0	Percent
Number of Sudden Decelerations	148	
Service Brake Actuations	3881037	
Trip Average Drive Speed	20.3	mph
Trip Average Engine Speed	1015	RPM
Trip Average One Gear Down Speed	27.3	mph
Trip Average Top Gear Speed	39.0	mph
Trip Average Vehicle Speed	12	mph
Trip Maximum Engine Speed	2510	RPM
Trip Maximum Vehicle Speed	68	mph
Time		
Cruise Control Time	0.0	hrs
Fan Time With Vehicle Speed	4157.0	hrs
Fan Time Without Vehicle Speed	2841.1	hrs
Maximum Accelerator Vehicle Speed Time	64.3	hrs
Percent Time at Idle	40.3	Percent
Percent Time in Cruise Control	0.0	Percent
Percent Time in PTO	2.4	Percent
Percent Time in Top Gear	9.7	Percent
Percent Time One Gear Down	12.0	Percent
PTO Drive Time	0.0	hrs
PTO Time	700.0	hrs
Trip Gear Down Time	3367.7	hrs
Trip Idle Time	11297.8	hrs
Trip Percent Distance in Cruise Control	0.0	Percent
Trip Percent Distance in Top Gear	32.7	Percent
Trip Percent Distance One Gear Down	28.2	Percent
Trip Service Brake Time	3679.8	hrs
Trip Time	28033.3	hrs
Trip Top Gear Time	2744.1	hrs

Trip Information

Engine Serial Number :35129486
Customer Unit Number :
Work Order Name :WO-20161103-094625

INSITE - 8.2.0.184
Company Name :Cummins Inc.
ECM Image Name :I-20161103-094950583
Customer Name :

Name	ECM Value	Units
⚠ Vehicle Overspeed 1 Time	20.6	hrs
⚠ Vehicle Overspeed 2 Time	20.6	hrs