

Engine Serial Number :22002887  
Customer Unit Number :\*\*\*\*\*  
Work Order Name :WO-20230714-101103

INSITE - 8.6.0.116 / Datapack 8.6.00159  
Company Name :Cummins Inc.  
ECM Image Name :I-20230714-101134578  
Customer Name :Customer Name\*\*

ECM Image

WorkOrder Information

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Work Order Name :	<b>WO-20230714-101103</b>
Customer Name :	<b>Customer Name**</b>
Technician's Note	<b>150kva</b>
Status	<b>Good</b>
Engine Serial Number	<b>22002887</b>
Vehicle ID	<b>*****</b>
Vehicle Make	<b>GENERIC</b>
Vehicle Unit Number	<b>*****</b>
Vehicle Odometer	<b>Enter Vehicle Mileage</b>

Image Information

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Date	<b>14-Jul-2023 10:11:34 AM</b>
File Location	<b>C:\Intellect\INSITE\Work Orders\I-20230714-101134578</b>
Technician's Note	<b>150kva</b>
ECM	<b>CM850</b>
Status	<b>Good</b>

Engine Serial Number :22002887  
 Customer Unit Number :\*\*\*\*\*  
 Work Order Name :WO-20230714-101103

Audit Trail

INSITE - 8.6.0.116 / Datapack 8.6.00159  
 Company Name :Cummins Inc.  
 ECM Image Name :I-20230714-101134578  
 Customer Name :Customer Name\*\*

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"/> QSB4.5/6.7/7-DM CM850(CM2850)						
<input type="checkbox"/> CM850						
<input type="checkbox"/> 1	Manta	05020000CEC0	Software	000000000000	000000:04:07	Not Applicable
		030	Calibration Download			
<input type="checkbox"/> 2	Unknown	000000000000	Unknown	000000000000	000000:00:00	Not Applicable
<input type="checkbox"/> 3	Unknown	000000000000	Unknown	000000000000	000000:00:00	Not Applicable
<input type="checkbox"/> 4	Unknown	000000000000	Unknown	000000000000	000000:00:00	Not Applicable

Engine Serial Number :22002887  
 Customer Unit Number :\*\*\*\*\*  
 Work Order Name :WO-20230714-101103

Data Monitors

INSITE - 8.6.0.116 / Datapack 8.6.00159  
 Company Name :Cummins Inc.  
 ECM Image Name :I-20230714-101134578  
 Customer Name :Customer Name\*\*

Data Monitors

Parameter	Value	Units
<input type="checkbox"/> QSB4.5/6.7/7-DM CM850(CM2850)		
<input type="checkbox"/> CM850		
Alternate Frequency Switch	Primary	
Amber Warning Lamp Status	Off	
Barometric Air Pressure	14.8	psi
Barometric Air Pressure Sensor Signal Voltage	4.00	V
Battery Voltage	12.5	V
Calibration Software Phase	12010008	
Diagnostic Test Mode Switch	Off	
Droop Adjust	0.00	percent
Droop Adjust Voltage	0.0	V
ECM Real Time	Not Applicable	
ECM Time (Key On Time)	035503:44:18	HHHHHH:MM:SS
Engine Coolant Level	Normal	
Engine Coolant Temperature	15.1	°C
Engine Coolant Temperature Sensor Signal Voltage	3.75	V
Engine Hours	036104:15:52	HHHHHH:MM:SS
Engine Oil Pressure	0.1	psi
Engine Oil Pressure Sensor Signal Voltage	0.81	V
Engine Oil Pressure Sensor Type	Analog	
Engine Operating State	Engine Stop	
Engine Protection Derate Suppress	Enable	
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 Serial Number :22002887  
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Data Monitors

INSITE - 8.6.0.116 / Datapack 8.6.00159  
 Company Name :Cummins Inc.  
 ECM Image Name :I-20230714-101134578  
 Customer Name :Customer Name\*\*

Parameter	Value	Units
Engine Speed Main Sensor Signal State	In Range	
Engine Speed Main Sensor State	High Input Voltage	
Engine Speed Main Synchronization State	No Pulse	
Engine Speed Sensor Active	Main	
Engine Speed Status	Stopped	
Final Frequency Adjust	0.00	RPM
Final Fueling	0.0	mg/stroke
Final Rated Speed Reference	1500.00	RPM
Fuel Flow Rate Commanded	0.00	L/hr
Fuel Pump Actuator Commanded Current	0.00	mA
Fuel Pump Actuator Duty Cycle	0	percent
Fuel Pump Actuator Measured Current	0.00	mA
Fuel Pump Actuator Position	Open	
Fuel Rail Pressure Commanded	5221	psi
Fuel Rail Pressure Measured	119	psi
Fuel Rail Pressure Sensor Signal Voltage	0.52	V
Gain Adjustment Position	5.00	
Gain Voltage	0.00	V
Idle Rated Switch State	Idle	
Injector Boost Supply Voltage Commanded	50.0	V
Injector Boost Supply Voltage Measured	12.1	V
Instantaneous Fuel Rate	0.0	L/hr
Intake Manifold Air Temperature	17.5	°C
Intake Manifold Air Temperature Sensor Signal Voltage	1.69	V
Intake Manifold Pressure	0.0	psi
Intake Manifold Pressure Sensor Signal Voltage	1.25	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	

Engine Serial Number :22002887  
 Customer Unit Number :\*\*\*\*\*  
 Work Order Name :WO-20230714-101103

Data Monitors

INSITE - 8.6.0.116 / Datapack 8.6.00159  
 Company Name :Cummins Inc.  
 ECM Image Name :I-20230714-101134578  
 Customer Name :Customer Name\*\*

Parameter	Value	Units
Keyswitch	On	
Keyswitch Off Counts	1439	
Keyswitch On Counts	1002	
Low Idle Adjustment Switch	Neutral	
Maximum Ramp Time	30	s
Minimum Ramp Time	0	s
Net Engine Torque	0	N*m
OEM Auxiliary Temperature	15.1	°C
OEM Auxiliary Temperature Sensor Signal Voltage	3.75	V
Percent Load	0	percent
Primary Rated Speed	1500	RPM
Red Stop Lamp Status	Off	
Secondary Rated Speed	1800	RPM
Sensor Supply 1	4.81	V
Sensor Supply 2	4.81	V
Sensor Supply 3	0.00	V
Sensor Supply 4	4.81	V
Speed Bias	0.0	RPM
Undrooped Speed Reference	1500.00	RPM
Water In Fuel Detected Total Accumulated Time	000000:45:42	HHHHHH:MM:SS
Water In Fuel State	No Water Detected	

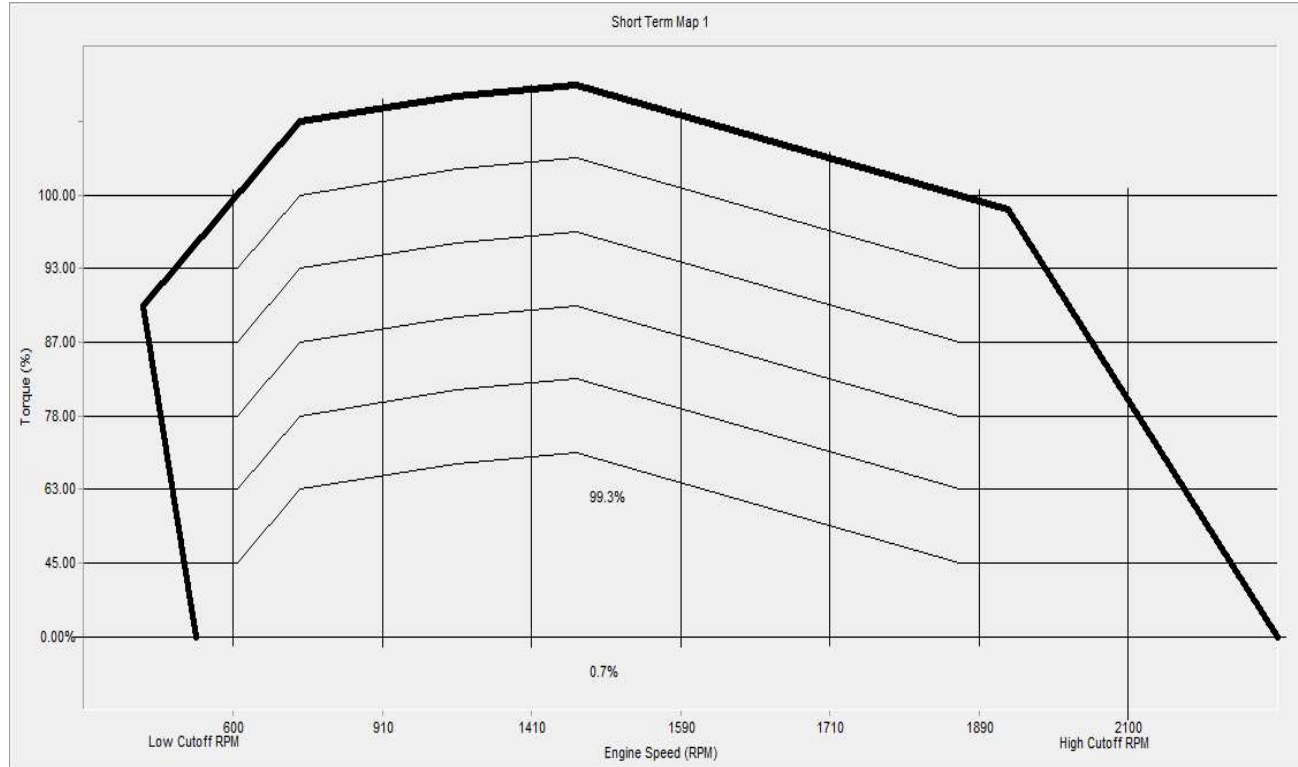
Duty Cycle Monitor

Engine Serial Number :22002887  
Customer Unit Number :\*\*\*\*\*  
Work Order Name :WO-20230714-101103

INSITE - 8.6.0.116 / Datapack 8.6.00159  
Company Name :Cummins Inc.  
ECM Image Name :I-20230714-101134578  
Customer Name :Customer Name\*\*

Duty Cycle Monitor

# Short Term Map 1



Engine Serial Number :22002887  
Customer Unit Number :\*\*\*\*\*  
Work Order Name :WO-20230714-101103

Duty Cycle Monitor

INSITE - 8.6.0.116 / Datapack 8.6.00159  
Company Name :Cummins Inc.  
ECM Image Name :I-20230714-101134578  
Customer Name :Customer Name\*\*

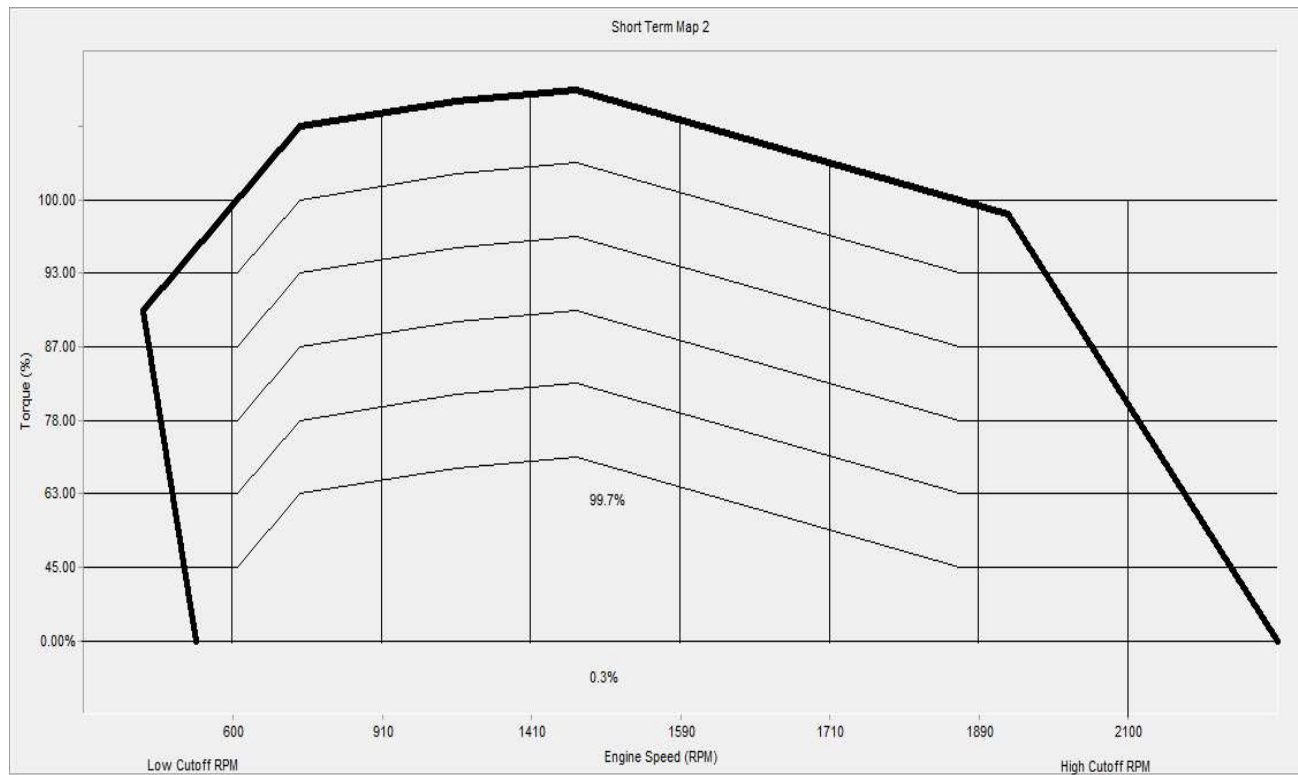
Parameter	Value	Unit
Peak Torque at RPM	2100	N*m
Peak Torque RPM	1300	RPM
Advertised Power at RPM	416	hp
Advertised Power RPM	1500	RPM
Map 1 Hours Remaining	125:19:02	HH:MM:SS
Map 1 Total Time	374:40:58	HH:MM:SS
Map 1 Start Time	35721:01:25	HH:MM:SS

Duty Cycle Monitor

Engine Serial Number :22002887  
Customer Unit Number :\*\*\*\*\*  
Work Order Name :WO-20230714-101103

INSITE - 8.6.0.116 / Datapack 8.6.00159  
Company Name :Cummins Inc.  
ECM Image Name :I-20230714-101134578  
Customer Name :Customer Name\*\*

# Short Term Map 2





Engine Serial Number :22002887  
Customer Unit Number :\*\*\*\*\*  
Work Order Name :WO-20230714-101103

Duty Cycle Monitor

INSITE - 8.6.0.116 / Datapack 8.6.00159  
Company Name :Cummins Inc.  
ECM Image Name :I-20230714-101134578  
Customer Name :Customer Name\*\*

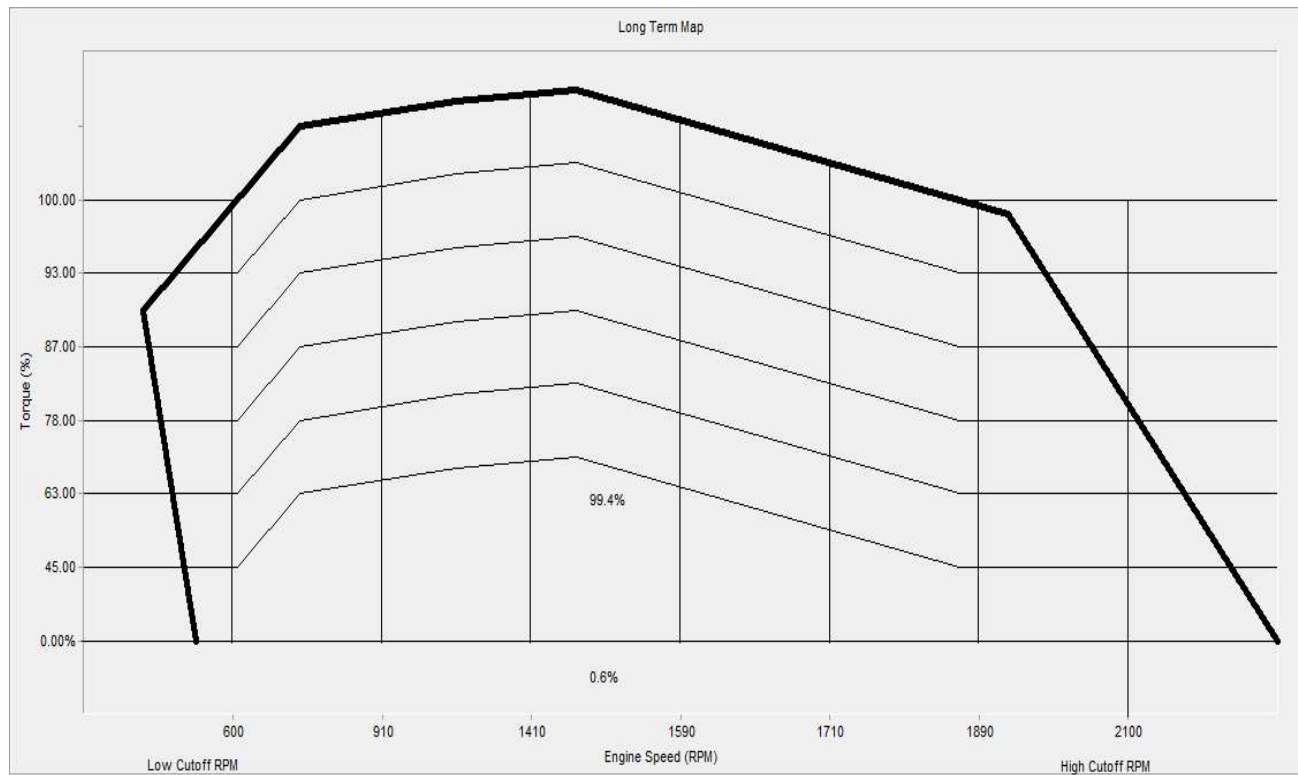
Parameter	Value	Unit
Peak Torque at RPM	2100	N*m
Peak Torque RPM	1300	RPM
Advertised Power at RPM	416	hp
Advertised Power RPM	1500	RPM
Map 2 Hours Remaining	00:00:00	HH:MM:SS
Map 2 Total Time	500:00:00	HH:MM:SS
Map 2 Start Time	35217:30:53	HH:MM:SS

Duty Cycle Monitor

Engine Serial Number :22002887  
Customer Unit Number :\*\*\*\*\*  
Work Order Name :WO-20230714-101103

INSITE - 8.6.0.116 / Datapack 8.6.00159  
Company Name :Cummins Inc.  
ECM Image Name :I-20230714-101134578  
Customer Name :Customer Name\*\*

# Long Term Map



Engine Serial Number :22002887  
Customer Unit Number :\*\*\*\*\*  
Work Order Name :WO-20230714-101103

Duty Cycle Monitor

INSITE - 8.6.0.116 / Datapack 8.6.00159  
Company Name :Cummins Inc.  
ECM Image Name :I-20230714-101134578  
Customer Name :Customer Name\*\*

Parameter	Value	Unit
Peak Torque at RPM	2100	N*m
Peak Torque RPM	1300	RPM
Advertised Power at RPM	416	hp
Advertised Power RPM	1500	RPM
Long Term Map Total Time	35374:40:58	HH:MM:SS
Long Term Map Start Time	00:00:00	HH:MM:SS

Engine Serial Number :22002887  
 Customer Unit Number :\*\*\*\*\*  
 Work Order Name :WO-20230714-101103

Engine Protection

INSITE - 8.6.0.116 / Datapack 8.6.00159  
 Company Name :Cummins Inc.  
 ECM Image Name :I-20230714-101134578  
 Customer Name :Customer Name\*\*

Engine Protection

Description	Fault Code	Occurrence	Value	Duration	ECM Time (Key On Time)	ECM Real Time
<input type="checkbox"/> Engine Oil Rifle Pressure - Data Valid But Below Normal Operating Range - Moderately Severe Level	143	Newest	73.9 psi	000000:00:02	000001:58:13	Not Applicable
	143	Oldest	77.5 psi	000000:00:09	000001:57:41	Not Applicable
<input type="checkbox"/> Engine Coolant Temperature - Data Valid But At Normal Operating Range - Moderately Severe Level	146	Newest	107.1 °C	000000:00:01	016185:09:23	Not Applicable
	146	2	107.4 °C	000000:00:03	016185:09:16	Not Applicable
	146	3	107.2 °C	000000:00:01	016185:09:13	Not Applicable
	146	4	107.4 °C	000000:00:10	016185:08:53	Not Applicable
	146	Oldest	107.4 °C	000000:00:12	016185:08:39	Not Applicable
Engine Coolant Temperature - Data Valid But At Normal Operating Range - Most Severe Level	151	Newest	56.7 °C	000000:00:04	000001:59:45	Not Applicable
Engine Oil Rifle Pressure - Data Valid But Below Normal Operating Range - Most Severe Level	415	Newest	73.9 psi	000000:00:02	000001:58:13	Not Applicable

Engine Protection Setting

Engine Serial Number :22002887  
 Customer Unit Number :\*\*\*\*\*  
 Work Order Name :WO-20230714-101103

INSITE - 8.6.0.116 / Datapack 8.6.00159  
 Company Name :Cummins Inc.  
 ECM Image Name :I-20230714-101134578  
 Customer Name :Customer Name\*\*

Engine Protection Setting

Engine Protection Derate Suppress				Enable					
Channel	Torque Derate	Fault Code	Derate Type	Threshold		Delay Before Derate	Time Based Torque Shutdown	Time for Flashing Lamp	Time Before Lamp Flashes Because Of Torque Shutdown
Engine Coolant Temperature	Enable	0146	Time	107.2 °C		5 s	Undefined	10 s	Undefined
Engine Oil Pressure	Enable	0143	Time	rpm	Oil Pressure	10 s	Disable	1 s	5 s
				0	-16.0 psi				
				590	-0.7 psi				
				600	8.0 psi				
				1200	25.0 psi				
				1500	30.2 psi				
				1800	34.2 psi				

Engine Protection Setting

Engine Serial Number :22002887  
 Customer Unit Number :\*\*\*\*\*  
 Work Order Name :WO-20230714-101103

INSITE - 8.6.0.116 / Datapack 8.6.00159  
 Company Name :Cummins Inc.  
 ECM Image Name :I-20230714-101134578  
 Customer Name :Customer Name\*\*

Intake Manifold Ai Temperature	Enable	0155	Severity	95.0 °C	10 s	Undefined	10 s	Undefined
Engine Auxiliary Temperature	Enable	1847	Severity	110.7 °C	5 s	Disable	0 s	0 s

Engine Protection Setting

Engine Serial Number :22002887  
 Customer Unit Number :\*\*\*\*\*  
 Work Order Name :WO-20230714-101103

INSITE - 8.6.0.116 / Datapack 8.6.00159  
 Company Name :Cummins Inc.  
 ECM Image Name :I-20230714-101134578  
 Customer Name :Customer Name\*\*

Engine Protection Derate Suppress				Enable					
Channel	RPM Derate	Fault Code	Derate Type	Threshold		Delay Before Derate	Time Based RPM Shutdown	Time for Flashing Lamp	Time Before Lamp Flashes Because Of RPM Shutdown
Engine Coolant Temperature	Enable	0151	Time	111.7 °C		5 s	Disable	10 s	0 s
Engine Oil Pressure	Enable	0415	Time	rpm	Oil Pressure	10 s	Enable	1 s	5 s
				0	-16.0 psi				
				590	-0.7 psi				
				600	6.0 psi				
				1200	17.0 psi				
				1500	26.8 psi				
				1800	30.0 psi				
Intake Manifold Air Temperature	Enable	0488	Time	85.0 °C		90 s	Disable	10 s	0 s
Engine Overspeed	Enable	0234	Time	2200 RPM		1 s	Undefined	Undefined	Undefined

Engine Protection Setting

Engine Serial Number :22002887  
 Customer Unit Number :\*\*\*\*\*  
 Work Order Name :WO-20230714-101103

INSITE - 8.6.0.116 / Datapack 8.6.00159  
 Company Name :Cummins Inc.  
 ECM Image Name :I-20230714-101134578  
 Customer Name :Customer Name\*\*

Engine Protection Derate Suppress			Enable
Channel	Severity Based Shutdown	Threshold	Time for Flashing Lamp
Engine Coolant Temperature	Enable	111.7 °C	10 s
Intake Manifold Ai Temperature	Enable	95.0 °C	10 s



Engine Serial Number :22002887  
 Customer Unit Number :\*\*\*\*\*  
 Work Order Name :WO-20230714-101103

Fault Codes

INSITE - 8.6.0.116 / Datapack 8.6.00159  
 Company Name :Cummins Inc.  
 ECM Image Name :I-20230714-101134578  
 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"/> CM850	ECM Time (Key On Time)	035503:44:18		HHHHHH:MM:SS					
	Engine Hours	036104:15:52		HHHHHH:MM:SS					
	Keyoffs	1439							
<input checked="" type="checkbox"/> 1117	Active	15	None	Power Supply Lost With Ignition On - Data Erratic, Intermittent, or Incorrect		251	2	2	3597
<input checked="" type="checkbox"/> 0195	Inactive	1	Amber	Coolant Level Sensor 1 Circuit - Voltage Above Normal or Shorted to High Source	111		3	3	111
<input checked="" type="checkbox"/> 0143	Inactive	2	Amber	Engine Oil Rifle Pressure - Data Valid But Below Normal Operating Range - Moderately Severe Level	100		1	18	100
<input checked="" type="checkbox"/> 0415	Inactive	1	Red	Engine Oil Rifle Pressure - Data Valid But Below Normal Operating Range - Most Severe Level	100		1	1	100
<input checked="" type="checkbox"/> 0151	Inactive	1	Red	Engine Coolant Temperature - Data Valid But Above Normal Operating Range - Most Severe Level	110		0	0	110

Engine Serial Number :22002887  
 Customer Unit Number :\*\*\*\*\*  
 Work Order Name :WO-20230714-101103

Fault Codes

INSITE - 8.6.0.116 / Datapack 8.6.00159  
 Company Name :Cummins Inc.  
 ECM Image Name :I-20230714-101134578  
 Customer Name :Customer Name\*\*

Fault Code	Status	Count	Lamp	Description	PID	SID	J1587 FMI	J1939 FMI	SPN
	Fault Parameters	First	Last	Units					
1992	Inactive	1	Red	Engine Crankshaft Speed/Position - Data Valid But Above Normal Operating Range - Moderately Severe Level	190		0	16	190
0426	Inactive	5	None	J1939 Network #1 - Data Erratic, Intermittent, or Incorrect		231	2	2	639
0441	Inactive	1	Amber	Battery 1 Voltage - Data Valid But Below Normal Operating Range - Moderately Severe Level	168		1	18	168
0442	Inactive	1	Amber	Battery 1 Voltage - Data Valid But Above Normal Operating Range - Moderately Severe Level	168		0	16	168
0451	Inactive	3	Amber	Injector Metering Rail 1 Pressure Sensor Circuit - Voltage Above Normal or Shorted to High Source	157		3	3	157
2311	Inactive	3	Amber	Electronic Fuel Injection Control Valve Circuit - Condition Exists		18	11	31	633
0272	Inactive	2	Amber	Engine Fuel Pump Pressurizing Assembly 1 Circuit - Voltage Above Normal or Shorted to High Source		126	3	3	1347
0146	Inactive	22	Amber	Engine Coolant Temperature - Data Valid But Above Normal Operating Range - Moderately Severe Level	110		0	16	110

Engine Serial Number :22002887  
 Customer Unit Number :\*\*\*\*\*  
 Work Order Name :WO-20230714-101103

Fault Codes

INSITE - 8.6.0.116 / Datapack 8.6.00159  
 Company Name :Cummins Inc.  
 ECM Image Name :I-20230714-101134578  
 Customer Name :Customer Name\*\*

Fault Code	Status	Count	Lamp	Description	PID	SID	J1587 FMI	J1939 FMI	SPN
	Fault Parameters	First	Last	Units					
1846	Inactive	3	Maintenance	Water in Fuel Indicator Sensor Circuit - Voltage Below Normal or Shorted to Low Source	97		4	4	97
2249	Inactive	36	Amber	Injector Metering Rail 1 Pressure - Data Valid But Below Normal Operating Rang Most Severe Level	157		1	1	157
1852	Inactive	5	Amber	Water in Fuel Indicator - Data Valid But Above Normal Operating Range - Moderately Severe Level	97		0	16	97
0418	Inactive	57	Maintenance	Water in Fuel Indicator - Data Valid But Above Normal Operating Range - Least Severe Level	97		0	15	97
1845	Inactive	45	Maintenance	Water in Fuel Indicator Sensor Circuit - Voltage Above Normal or Shorted to Hig Source	97		3	3	97
0559	Inactive	96	Amber	Injector Metering Rail 1 Pressure - Data Valid But Below Normal Operating Rang Moderately Severe Level	157		1	18	157

Engine Serial Number :22002887  
 Customer Unit Number :\*\*\*\*\*  
 Work Order Name :WO-20230714-101103

Fault Snapshot

INSITE - 8.6.0.116 / Datapack 8.6.00159  
 Company Name :Cummins Inc.  
 ECM Image Name :I-20230714-101134578  
 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"/> CM850	ECM Time (Key On Time)	035503:44:18		HHHHHH:MM:SS					
	Engine Hours	036104:15:52		HHHHHH:MM:SS					
	Keyoffs	1439							
<input checked="" type="checkbox"/> 1117	<b>Active</b>	<b>15</b>	<b>None</b>	<b>Power Supply Lost With Ignition On - Da Erratic, Intermittent, or Incorrect</b>		<b>251</b>	<b>2</b>	<b>2</b>	<b>3597</b>
	ECM Time (Key On Time)	022121:35:14	035503:41:36	HHHHHH:MM:SS					
	Alternate Frequency Switch	Primary	Primary						
	Barometric Air Pressure	13.5	0.0	psi					
	Battery Voltage	13.9	12.6	V					
	Calibration Software Phase	12010008	12010008						
	Droop Adjust	0.00	0.00	percent					
	Droop Adjust Voltage	0.0	0.0	V					

Fault Snapshot

Engine Serial Number :22002887  
 Customer Unit Number :\*\*\*\*\*  
 Work Order Name :WO-20230714-101103

INSITE - 8.6.0.116 / Datapack 8.6.00159  
 Company Name :Cummins Inc.  
 ECM Image Name :I-20230714-101134578  
 Customer Name :Customer Name\*\*

Fault Code	Status	Count	Lamp	Description	PID	SID	J1587 FMI	J1939 FMI	SPN
	Fault Parameters	First	Last	Units					
	Electric Fuel Lift Pump Current	62.5	62.5	mA					
	Engine Coolant Temperature	84.5	15.0	°C					
	Engine Hours	022703:28:23	036104:15:52	HHHHHH:MM:SS					
	Engine Oil Pressure	51.9	15.0	psi					
	Engine Oil Pressure Sensor Type	Analog	Analog						
	Engine Operating State	Rated Speed Control	Engine Stop						
	Engine Overspeed Lamp Status	Off	Off						
	Engine Protection Derate Suppress	Enable	Enable						
	Engine Protection Shutdown Override Switch	Off	Off						
	Engine Speed	1498	0	RPM					
	Engine Speed Backup Sensor State	Valid Signal	High Input Voltage						

Fault Snapshot

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INSITE - 8.6.0.116 / Datapack 8.6.00159  
 Company Name :Cummins Inc.  
 ECM Image Name :I-20230714-101134578  
 Customer Name :Customer Name\*\*

Fault Code	Status	Count	Lamp	Description	PID	SID	J1587 FMI	J1939 FMI	SPN
	Fault Parameters	First	Last	Units					
	Engine Speed Status	Good	Stopped						
	Engine Torque Mode	Other	Other						
	Final Frequency Adjust	0.00	0.00	RPM					
	Final Rated Speed Reference	1500.00	1500.00	RPM					
	Frequency Adjust	0.00	0.00	RPM					
	Frequency Adjust Voltage	0.0	0.0	V					
	Fuel Flow Rate Commanded	24.08	54.00	L/hr					
	Fuel Pump Actuator Commanded Current	1250.00	1000.00	mA					
	Fuel Pump Actuator Measured Current	1250.00	375.00	mA					
	Fuel Rail Pressure Commanded	9600	5221	psi					
	Fuel Rail Pressure Measured	9694	129	psi					
	Gain Adjust Potentiometer User Selectable	True	True						

Fault Snapshot

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INSITE - 8.6.0.116 / Datapack 8.6.00159  
 Company Name :Cummins Inc.  
 ECM Image Name :I-20230714-101134578  
 Customer Name :Customer Name\*\*

Fault Code	Status	Count	Lamp	Description	PID	SID	J1587 FMI	J1939 FMI	SPN
	Fault Parameters	First	Last	Units					
	Gain Adjustment Position	5.00	5.00						
	Gain Voltage	0.00	0.00	V					
	Idle Rated Switch State	Rated	Idle						
	Injector Boost Supply Voltage Measured	50.6	0.0	V					
	Intake Manifold Air Temperature	43.8	17.2	°C					
	Intake Manifold Pressure	9.6	14.8	psi					
	Keyswitch	On	On						
	Low Idle Adjustment Switch	Undefined	Undefined						
	Low Idle Decrement Switch	Off	Off						
	Maximum Ramp Time	30	30	s					
	Minimum Ramp Time	0	0	s					
	Moderately High Engine Temperature Lamp Status	Off	Off						
	Moderately Low Oil Pressure Lamp Status	Off	Off						

Fault Snapshot

Engine Serial Number :22002887  
 Customer Unit Number :\*\*\*\*\*  
 Work Order Name :WO-20230714-101103

INSITE - 8.6.0.116 / Datapack 8.6.00159  
 Company Name :Cummins Inc.  
 ECM Image Name :I-20230714-101134578  
 Customer Name :Customer Name\*\*

Fault Code	Status	Count	Lamp	Description	PID	SID	J1587 FMI	J1939 FMI	SPN
	Fault Parameters	First	Last	Units					
	Percent Load	100	100	percent					
	Primary Rated Speed	1500	1500	RPM					
	Secondary Rated Speed	1800	1800	RPM					
	Sensor Supply 1	4.81	4.81	V					
	Sensor Supply 2	4.81	4.81	V					
	Sensor Supply 3	0.00	0.00	V					
	Severely High Engine Temperature Lamp Status	Off	Off						
	Severely Low Oil Pressure Lamp Status	Off	Off						
	Speed Bias	0.0	0.0	RPM					
	Torque Curve Selected	Undefined	Undefined						
	Undrooped Speed Reference	1500.00	1500.00	RPM					
	Water In Fuel State	Water Detected	No Water Detected						



Fault Snapshot

Engine Serial Number :22002887  
 Customer Unit Number :\*\*\*\*\*  
 Work Order Name :WO-20230714-101103

INSITE - 8.6.0.116 / Datapack 8.6.00159  
 Company Name :Cummins Inc.  
 ECM Image Name :I-20230714-101134578  
 Customer Name :Customer Name\*\*

Fault Code	Status	Count	Lamp	Description	PID	SID	J1587 FMI	J1939 FMI	SPN
	Fault Parameters	First	Last	Units					
0195	Inactive	1	Amber	Coolant Level Sensor 1 Circuit - Voltage Above Normal or Shorted to High Source	111		3	3	111
	No fault snapshot data detected in the ECM.								
0143	Inactive	2	Amber	Engine Oil Rifle Pressure - Data Valid But Below Normal Operating Range - Moderately Severe Level	100		1	18	100
	No fault snapshot data detected in the ECM.								
0415	Inactive	1	Red	Engine Oil Rifle Pressure - Data Valid But Below Normal Operating Range - Most Severe Level	100		1	1	100
	No fault snapshot data detected in the ECM.								
0151	Inactive	1	Red	Engine Coolant Temperature - Data Valid But Above Normal Operating Range - Most Severe Level	110		0	0	110
	No fault snapshot data detected in the ECM.								

Fault Snapshot

Engine Serial Number :22002887  
 Customer Unit Number :\*\*\*\*\*  
 Work Order Name :WO-20230714-101103

INSITE - 8.6.0.116 / Datapack 8.6.00159  
 Company Name :Cummins Inc.  
 ECM Image Name :I-20230714-101134578  
 Customer Name :Customer Name\*\*

Fault Code	Status	Count	Lamp	Description	PID	SID	J1587 FMI	J1939 FMI	SPN
	Fault Parameters	First	Last	Units					
<b>1992</b>	Inactive	1	Red	Engine Crankshaft Speed/Position - Data Valid But Above Normal Operating Range - Moderately Severe Level	190		0	16	190
	No fault snapshot data detected in the ECM.								
<b>0426</b>	Inactive	5	None	J1939 Network #1 - Data Erratic, Intermittent, or Incorrect		231	2	2	639
	No fault snapshot data detected in the ECM.								
<b>0441</b>	Inactive	1	Amber	Battery 1 Voltage - Data Valid But Below Normal Operating Range - Moderately Severe Level	168		1	18	168
	No fault snapshot data detected in the ECM.								
<b>0442</b>	Inactive	1	Amber	Battery 1 Voltage - Data Valid But Above Normal Operating Range - Moderately Severe Level	168		0	16	168
	No fault snapshot data detected in the ECM.								

Fault Snapshot

Engine Serial Number :22002887  
 Customer Unit Number :\*\*\*\*\*  
 Work Order Name :WO-20230714-101103

INSITE - 8.6.0.116 / Datapack 8.6.00159  
 Company Name :Cummins Inc.  
 ECM Image Name :I-20230714-101134578  
 Customer Name :Customer Name\*\*

Fault Code	Status	Count	Lamp	Description	PID	SID	J1587 FMI	J1939 FMI	SPN
	Fault Parameters	First	Last	Units					
0451	Inactive	3	Amber	Injector Metering Rail 1 Pressure Sensor Circuit - Voltage Above Normal or Shorted to High Source	157		3	3	157
	No fault snapshot data detected in the ECM.								
2311	Inactive	3	Amber	Electronic Fuel Injection Control Valve Circuit - Condition Exists		18	11	31	633
	No fault snapshot data detected in the ECM.								
0272	Inactive	2	Amber	Engine Fuel Pump Pressurizing Assembly 1 Circuit - Voltage Above Normal or Shorted to High Source		126	3	3	1347
	No fault snapshot data detected in the ECM.								
0146	Inactive	22	Amber	Engine Coolant Temperature - Data Valid But Above Normal Operating Range - Moderately Severe Level	110		0	16	110
	No fault snapshot data detected in the ECM.								
1846	Inactive	3	Maintenance	Water in Fuel Indicator Sensor Circuit - Voltage Below Normal or Shorted to Low Source	97		4	4	97

Fault Snapshot

Engine Serial Number :22002887  
 Customer Unit Number :\*\*\*\*\*  
 Work Order Name :WO-20230714-101103

INSITE - 8.6.0.116 / Datapack 8.6.00159  
 Company Name :Cummins Inc.  
 ECM Image Name :I-20230714-101134578  
 Customer Name :Customer Name\*\*

Fault Code	Status	Count	Lamp	Description	PID	SID	J1587 FMI	J1939 FMI	SPN
	Fault Parameters	First	Last	Units					
	No fault snapshot data detected in the ECM.								
2249	Inactive	36	Amber	Injector Metering Rail 1 Pressure - Data Valid But Below Normal Operating Rang Most Severe Level	157		1	1	157
	No fault snapshot data detected in the ECM.								
1852	Inactive	5	Amber	Water in Fuel Indicator - Data Valid But Above Normal Operating Range - Moderately Severe Level	97		0	16	97
	No fault snapshot data detected in the ECM.								
0418	Inactive	57	Maintenance	Water in Fuel Indicator - Data Valid But Above Normal Operating Range - Least Severe Level	97		0	15	97
	No fault snapshot data detected in the ECM.								
1845	Inactive	45	Maintenance	Water in Fuel Indicator Sensor Circuit - Voltage Above Normal or Shorted to Hig Source	97		3	3	97
	ECM Time (Key On Time)	000107:27:47	035500:43:48	HHHHHH:MM:SS					

Fault Snapshot

Engine Serial Number :22002887  
 Customer Unit Number :\*\*\*\*\*  
 Work Order Name :WO-20230714-101103

INSITE - 8.6.0.116 / Datapack 8.6.00159  
 Company Name :Cummins Inc.  
 ECM Image Name :I-20230714-101134578  
 Customer Name :Customer Name\*\*

Fault Code	Status	Count	Lamp	Description	PID	SID	J1587 FMI	J1939 FMI	SPN
	Fault Parameters	First	Last	Units					
	Alternate Frequency Switch	Primary	Primary						
	Barometric Air Pressure	13.7	14.8	psi					
	Battery Voltage	14.0	12.4	V					
	Calibration Software Phase	12010008	12010008						
	Droop Adjust	0.00	0.00	percent					
	Droop Adjust Voltage	0.0	0.0	V					
	Electric Fuel Lift Pump Current	62.5	62.5	mA					
	Engine Coolant Temperature	36.1	10.7	°C					
	Engine Hours	000116:54:46	036100:10:43	HHHHHH:MM:SS					
	Engine Oil Pressure	78.7	0.3	psi					
	Engine Oil Pressure Sensor Type	Analog	Analog						
	Engine Operating State	Rated Speed Control	Engine Stop						
	Engine Overspeed Lamp Status	Off	Off						

Fault Snapshot

Engine Serial Number :22002887  
 Customer Unit Number :\*\*\*\*\*  
 Work Order Name :WO-20230714-101103

INSITE - 8.6.0.116 / Datapack 8.6.00159  
 Company Name :Cummins Inc.  
 ECM Image Name :I-20230714-101134578  
 Customer Name :Customer Name\*\*

Fault Code	Status	Count	Lamp	Description	PID	SID	J1587 FMI	J1939 FMI	SPN
	Fault Parameters	First	Last	Units					
	Engine Protection Derate Suppress	Enable	Enable						
	Engine Protection Shutdown Override Switch	Off	Off						
	Engine Speed	1498	0	RPM					
	Engine Speed Backup Sensor State	Valid Signal	High Input Voltage						
	Engine Speed Status	Good	Stopped						
	Engine Torque Mode	Other	Other						
	Final Frequency Adjust	0.00	0.00	RPM					
	Final Rated Speed Reference	1500.00	1500.00	RPM					
	Frequency Adjust	0.00	0.00	RPM					
	Frequency Adjust Voltage	0.0	0.0	V					
	Fuel Flow Rate Commanded	19.46	0.00	L/hr					
	Fuel Pump Actuator Commanded Current	1312.50	0.00	mA					

Fault Snapshot

Engine Serial Number :22002887  
 Customer Unit Number :\*\*\*\*\*  
 Work Order Name :WO-20230714-101103

INSITE - 8.6.0.116 / Datapack 8.6.00159  
 Company Name :Cummins Inc.  
 ECM Image Name :I-20230714-101134578  
 Customer Name :Customer Name\*\*

Fault Code	Status	Count	Lamp	Description	PID	SID	J1587 FMI	J1939 FMI	SPN
	Fault Parameters	First	Last	Units					
	Fuel Pump Actuator Measured Current	1375.00	0.00	mA					
	Fuel Rail Pressure Commanded	13458	5221	psi					
	Fuel Rail Pressure Measured	13454	130	psi					
	Gain Adjust Potentiometer User Selectable	True	True						
	Gain Adjustment Position	5.00	5.00						
	Gain Voltage	0.00	0.00	V					
	Idle Rated Switch State	Rated	Rated						
	Injector Boost Supply Voltage Measured	50.8	12.1	V					
	Intake Manifold Air Temperature	31.1	15.3	°C					
	Intake Manifold Pressure	0.8	-0.1	psi					
	Keyswitch	On	On						
	Low Idle Adjustment Switch	Undefined	Undefined						

Fault Snapshot

Engine Serial Number :22002887  
 Customer Unit Number :\*\*\*\*\*  
 Work Order Name :WO-20230714-101103

INSITE - 8.6.0.116 / Datapack 8.6.00159  
 Company Name :Cummins Inc.  
 ECM Image Name :I-20230714-101134578  
 Customer Name :Customer Name\*\*

Fault Code	Status	Count	Lamp	Description	PID	SID	J1587 FMI	J1939 FMI	SPN
	Fault Parameters	First	Last	Units					
	Low Idle Decrement Switch	Off	Off						
	Maximum Ramp Time	30	30	s					
	Minimum Ramp Time	0	0	s					
	Moderately High Engine Temperature Lamp Status	Off	Off						
	Moderately Low Oil Pressure Lamp Status	Off	Off						
	Percent Load	5	0	percent					
	Primary Rated Speed	1500	1500	RPM					
	Secondary Rated Speed	1800	1800	RPM					
	Sensor Supply 1	4.81	4.81	V					
	Sensor Supply 2	4.81	4.81	V					
	Sensor Supply 3	0.00	0.00	V					
	Severely High Engine Temperature Lamp Status	Off	Off						
	Severely Low Oil Pressure Lamp Status	Off	Off						



Fault Snapshot

Engine Serial Number :22002887  
 Customer Unit Number :\*\*\*\*\*  
 Work Order Name :WO-20230714-101103

INSITE - 8.6.0.116 / Datapack 8.6.00159  
 Company Name :Cummins Inc.  
 ECM Image Name :I-20230714-101134578  
 Customer Name :Customer Name\*\*

Fault Code	Status	Count	Lamp	Description	PID	SID	J1587 FMI	J1939 FMI	SPN
	Fault Parameters	First	Last	Units					
	Speed Bias	0.0	0.0	RPM					
	Torque Curve Selected	Undefined	Undefined						
	Undrooped Speed Reference	1500.00	1500.00	RPM					
	Water In Fuel State	No Water Detected	No Water Detected						
0559	Inactive	96	Amber	Injector Metering Rail 1 Pressure - Data Valid But Below Normal Operating Range Moderately Severe Level	157		1	18	157
	ECM Time (Key On Time)	035501:35:21	035501:41:04	HHHHHH:MM:SS					
	Alternate Frequency Switch	Primary	Primary						
	Barometric Air Pressure	14.8	14.8	psi					
	Battery Voltage	10.1	9.9	V					
	Calibration Software Phase	12010008	12010008						
	Droop Adjust	0.00	0.00	percent					
	Droop Adjust Voltage	0.0	0.0	V					

Fault Snapshot

Engine Serial Number :22002887  
 Customer Unit Number :\*\*\*\*\*  
 Work Order Name :WO-20230714-101103

INSITE - 8.6.0.116 / Datapack 8.6.00159  
 Company Name :Cummins Inc.  
 ECM Image Name :I-20230714-101134578  
 Customer Name :Customer Name\*\*

Fault Code	Status	Count	Lamp	Description	PID	SID	J1587 FMI	J1939 FMI	SPN
	Fault Parameters	First	Last	Units					
	Electric Fuel Lift Pump Current	0.0	0.0	mA					
	Engine Coolant Temperature	10.9	11.0	°C					
	Engine Hours	036100:41:08	036100:41:27	HHHHHH:MM:SS					
	Engine Oil Pressure	0.5	30.6	psi					
	Engine Oil Pressure Sensor Type	Analog	Analog						
	Engine Operating State	Crank State	Crank State						
	Engine Overspeed Lamp Status	Off	Off						
	Engine Protection Derate Suppress	Enable	Enable						
	Engine Protection Shutdown Override Switch	Off	Off						
	Engine Speed	155	150	RPM					
	Engine Speed Backup Sensor State	Valid Signal	Valid Signal						
	Engine Speed Status	Good	Good						

Fault Snapshot

Engine Serial Number :22002887  
 Customer Unit Number :\*\*\*\*\*  
 Work Order Name :WO-20230714-101103

INSITE - 8.6.0.116 / Datapack 8.6.00159  
 Company Name :Cummins Inc.  
 ECM Image Name :I-20230714-101134578  
 Customer Name :Customer Name\*\*

Fault Code	Status	Count	Lamp	Description	PID	SID	J1587 FMI	J1939 FMI	SPN
	Fault Parameters	First	Last	Units					
	Engine Torque Mode	Other	Other						
	Final Frequency Adjust	0.00	0.00	RPM					
	Final Rated Speed Reference	1500.00	1500.00	RPM					
	Frequency Adjust	0.00	0.00	RPM					
	Frequency Adjust Voltage	0.0	0.0	V					
	Fuel Flow Rate Commanded	54.00	54.00	L/hr					
	Fuel Pump Actuator Commanded Current	1000.00	1000.00	mA					
	Fuel Pump Actuator Measured Current	1000.00	1000.00	mA					
	Fuel Rail Pressure Commanded	6489	6538	psi					
	Fuel Rail Pressure Measured	839	172	psi					
	Gain Adjust Potentiometer User Selectable	True	True						
	Gain Adjustment Position	5.00	5.00						

Fault Snapshot

Engine Serial Number :22002887  
 Customer Unit Number :\*\*\*\*\*  
 Work Order Name :WO-20230714-101103

INSITE - 8.6.0.116 / Datapack 8.6.00159  
 Company Name :Cummins Inc.  
 ECM Image Name :I-20230714-101134578  
 Customer Name :Customer Name\*\*

Fault Code	Status	Count	Lamp	Description	PID	SID	J1587 FMI	J1939 FMI	SPN
	Fault Parameters	First	Last	Units					
	Gain Voltage	0.00	0.00	V					
	Idle Rated Switch State	Idle	Rated						
	Injector Boost Supply Voltage Measured	57.9	60.1	V					
	Intake Manifold Air Temperature	15.4	15.5	°C					
	Intake Manifold Pressure	-0.1	0.0	psi					
	Keyswitch	On	On						
	Low Idle Adjustment Switch	Undefined	Undefined						
	Low Idle Decrement Switch	Off	Off						
	Maximum Ramp Time	30	30	s					
	Minimum Ramp Time	0	0	s					
	Moderately High Engine Temperature Lamp Status	Off	Off						
	Moderately Low Oil Pressure Lamp Status	Off	Off						
	Percent Load	39	39	percent					

Fault Snapshot

Engine Serial Number :22002887  
 Customer Unit Number :\*\*\*\*\*  
 Work Order Name :WO-20230714-101103

INSITE - 8.6.0.116 / Datapack 8.6.00159  
 Company Name :Cummins Inc.  
 ECM Image Name :I-20230714-101134578  
 Customer Name :Customer Name\*\*

Fault Code	Status	Count	Lamp	Description	PID	SID	J1587 FMI	J1939 FMI	SPN
	Fault Parameters	First	Last	Units					
	Primary Rated Speed	1500	1500	RPM					
	Secondary Rated Speed	1800	1800	RPM					
	Sensor Supply 1	4.81	4.81	V					
	Sensor Supply 2	4.81	4.81	V					
	Sensor Supply 3	0.00	0.00	V					
	Severely High Engine Temperature Lamp Status	Off	Off						
	Severely Low Oil Pressure Lamp Status	Off	Off						
	Speed Bias	0.0	0.0	RPM					
	Torque Curve Selected	Undefined	Undefined						
	Undrooped Speed Reference	1500.00	1500.00	RPM					
	Water In Fuel State	No Water Detected	No Water Detected						

Engine Serial Number :22002887  
 Customer Unit Number :\*\*\*\*\*  
 Work Order Name :WO-20230714-101103

Features and Parameters

INSITE - 8.6.0.116 / Datapack 8.6.00159  
 Company Name :Cummins Inc.  
 ECM Image Name :I-20230714-101134578  
 Customer Name :Customer Name\*\*

Features and Parameters

Features and Parameters	ECM Value	Units
[-] QSB4.5/6.7/7-DM CM850(CM2850)		
[-] CM850		
[-] System ID and Dataplate		
[-] Calibration Information		
Calibration Software Phase	12010008	
Calibration Time/Date Stamp	081109150357	
DO Option	90679	
ECM Code	AZ90079.05	
Other Options		
SC Option	97787	
[-] Customer Information		

Engine Serial Number :22002887  
 Customer Unit Number :\*\*\*\*\*  
 Work Order Name :WO-20230714-101103

Features and Parameters

INSITE - 8.6.0.116 / Datapack 8.6.00159  
 Company Name :Cummins Inc.  
 ECM Image Name :I-20230714-101134578  
 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	CM850	
ECM Part Number	4921776	
ECM Serial Number	35043977	
<input type="checkbox"/> Engine Information		
Engine Build Date	062011	
Engine Make	CMMNS	
Engine Model	*****	
Engine Serial Number	22002887	

Engine Serial Number :22002887  
 Customer Unit Number :\*\*\*\*\*  
 Work Order Name :WO-20230714-101103

Features and Parameters

INSITE - 8.6.0.116 / Datapack 8.6.00159  
 Company Name :Cummins Inc.  
 ECM Image Name :I-20230714-101134578  
 Customer Name :Customer Name\*\*

Features and Parameters	ECM Value	Units
<input type="checkbox"/> System Information		
<input type="checkbox"/> Advertised Power at RPM	416	hp
<input type="checkbox"/> Advertised Power RPM	1500	RPM
<input type="checkbox"/> Control Parts List	2605	
<input type="checkbox"/> Fuel Code	91032	
<input type="checkbox"/> Governed Speed	0	RPM
<input type="checkbox"/> Peak Torque at RPM	2100	N*m
<input type="checkbox"/> Peak Torque RPM	1300	RPM
<input type="checkbox"/> Vehicle/OEM Information		
<input type="checkbox"/> OEM Name	GENERIC	
<input type="checkbox"/> OEM Vehicle or Equipment Model	QSB7-G	
<input type="checkbox"/> Vehicle Identification Number or Equipment Serial Number	*****	



Engine Serial Number :22002887  
 Customer Unit Number :\*\*\*\*\*  
 Work Order Name :WO-20230714-101103

Features and Parameters

INSITE - 8.6.0.116 / Datapack 8.6.00159  
 Company Name :Cummins Inc.  
 ECM Image Name :I-20230714-101134578  
 Customer Name :Customer Name\*\*

Features and Parameters	ECM Value	Units
<ul style="list-style-type: none"> <li>Vehicle or Equipment Year</li> </ul>	*****	
<ul style="list-style-type: none"> <li><input type="checkbox"/> Adjustable Low Idle Speed</li> </ul>	Enable	
<ul style="list-style-type: none"> <li>Low Idle Speed</li> </ul>	700	RPM
<ul style="list-style-type: none"> <li>Low Idle Speed Adjustment Switch</li> </ul>	Enable	
<ul style="list-style-type: none"> <li><input type="checkbox"/> Aftertreatment</li> </ul>		
<ul style="list-style-type: none"> <li><input type="checkbox"/> Diesel Particulate Filter</li> </ul>		
<ul style="list-style-type: none"> <li><input type="checkbox"/> Electrical System Voltage</li> </ul>		
<ul style="list-style-type: none"> <li>Electrical System Voltage</li> </ul>	12V	
<ul style="list-style-type: none"> <li>Engine Coolant Level Sensor</li> </ul>	Installed	
<ul style="list-style-type: none"> <li><input type="checkbox"/> Engine Oil Pressure Sensor</li> </ul>	Enable	
<ul style="list-style-type: none"> <li><input type="checkbox"/> Engine Protection</li> </ul>	Enable	
<ul style="list-style-type: none"> <li>Shutdown</li> </ul>	Enable	

Engine Serial Number :22002887  
 Customer Unit Number :\*\*\*\*\*  
 Work Order Name :WO-20230714-101103

Features and Parameters

INSITE - 8.6.0.116 / Datapack 8.6.00159  
 Company Name :Cummins Inc.  
 ECM Image Name :I-20230714-101134578  
 Customer Name :Customer Name\*\*

Features and Parameters	ECM Value	Units
Shutdown Manual Override	Disable	
Intake Air Heater	Disable	
<input type="checkbox"/> J1939 Controls	Enable	
<input type="checkbox"/> J1939 Service Reset	Enable	
<input type="checkbox"/> J1939 Stop Broadcast Allowed	Enable	
<input type="checkbox"/> J1939 Trip Reset	Enable	
<input type="checkbox"/> Rated Overspeed Protection	Enable	
<input type="checkbox"/> Percent Overspeed	15	percent
<input type="checkbox"/> Rated Speed Adjust	Enable	
<input type="checkbox"/> Frequency Adjust Offset	0.00	RPM
<input type="checkbox"/> Alternate Frequency	Enable	
<input type="checkbox"/> Alternate Frequency Type	Secondary	

Engine Serial Number :22002887  
 Customer Unit Number :\*\*\*\*\*  
 Work Order Name :WO-20230714-101103

Features and Parameters

INSITE - 8.6.0.116 / Datapack 8.6.00159  
 Company Name :Cummins Inc.  
 ECM Image Name :I-20230714-101134578  
 Customer Name :Customer Name\*\*

Features and Parameters	ECM Value	Units
- Droop Adjust	Enable	
Droop Adjust Select	Potentiometer	
User Droop Adjust	0.00	percent
- Frequency Adjust	Disable	
- Gain Adjustment	Enable	
Gain Adjustment Type	Trim	
Tool Gain Adjustment	5.00	
- Idle/Rated Control	Enable	
Idle to Rated Ramp Time	0	s
Idle/Rated Switch Logic	Ground is Rated	
Rated to Idle Ramp Time	0	s
Service Tool Idle Rated Command	Rated	

Engine Serial Number :22002887  
 Customer Unit Number :\*\*\*\*\*  
 Work Order Name :WO-20230714-101103

Features and Parameters

INSITE - 8.6.0.116 / Datapack 8.6.00159  
 Company Name :Cummins Inc.  
 ECM Image Name :I-20230714-101134578  
 Customer Name :Customer Name\*\*

Features and Parameters	ECM Value	Units
Speed Bias	Enable	
<input type="checkbox"/> SAE J1939 Multiplexing		
<input type="checkbox"/> Alternate Frequency Switch	Enable	
Source Address	220 - Future Use	
<input type="checkbox"/> Droop Adjust Switch	Enable	
Source Address	220 - Future Use	
<input type="checkbox"/> Engine Protection Shutdown Manual Override	Enable	
Source Address	220 - Future Use	
<input type="checkbox"/> Frequency Adjust Switch	Enable	
Source Address	220 - Future Use	
<input type="checkbox"/> Gain Adjust Switch	Enable	
Source Address	220 - Future Use	

Engine Serial Number :22002887  
 Customer Unit Number :\*\*\*\*\*  
 Work Order Name :WO-20230714-101103

Features and Parameters

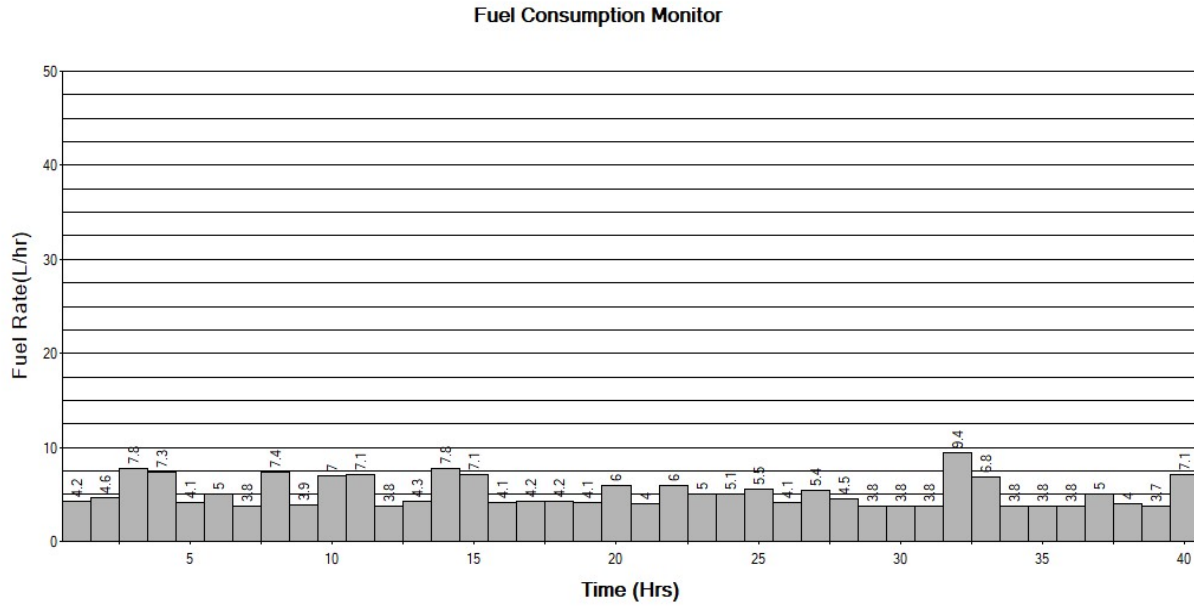
INSITE - 8.6.0.116 / Datapack 8.6.00159  
 Company Name :Cummins Inc.  
 ECM Image Name :I-20230714-101134578  
 Customer Name :Customer Name\*\*

Features and Parameters	ECM Value	Units
<input type="checkbox"/> Idle Increment/ Idle Decrement Switch Source Address	Enable	
<input type="checkbox"/> Idle Rated Switch Source Address	220 - Future Use	
<input type="checkbox"/> Speed Bias Switch Source Address	220 - Future Use	
<input type="checkbox"/> Trip Information ECM Time Offset Engine Time Offset	Enable	HHHHHH
Water In Fuel Sensor	000000	HHHHHH
	Installed	

Engine Serial Number :22002887  
Customer Unit Number :\*\*\*\*\*  
Work Order Name :WO-20230714-101103

Fuel Consumption Monitor

INSITE - 8.6.0.116 / Datapack 8.6.00159  
Company Name :Cummins Inc.  
ECM Image Name :I-20230714-101134578  
Customer Name :Customer Name\*\*



Fuel Consumption Monitor

Engine Serial Number :22002887  
Customer Unit Number :\*\*\*\*\*  
Work Order Name :WO-20230714-101103

INSITE - 8.6.0.116 / Datapack 8.6.00159  
Company Name :Cummins Inc.  
ECM Image Name :I-20230714-101134578  
Customer Name :Customer Name\*\*

Parameter	Value	Units
Instantaneous Fuel Rate	0.0	L/hr
Short Term Hour	35377	hrs
Long Term Fuel Rate	13.1	L/hr

Engine Serial Number :22002887  
Customer Unit Number :\*\*\*\*\*  
Work Order Name :WO-20230714-101103

Multi Level ECM Security

INSITE - 8.6.0.116 / Datapack 8.6.00159  
Company Name :Cummins Inc.  
ECM Image Name :I-20230714-101134578  
Customer Name :Customer Name\*\*

Multi Level ECM Security

Password	Value
Master Password	Disabled
Adjustment Password	Disabled
Reset Password	Disabled
OEM Password	Disabled



Rated Overspeed Protection

Engine Serial Number :22002887  
 Customer Unit Number :\*\*\*\*\*  
 Work Order Name :WO-20230714-101103

INSITE - 8.6.0.116 / Datapack 8.6.00159  
 Company Name :Cummins Inc.  
 ECM Image Name :I-20230714-101134578  
 Customer Name :Customer Name\*\*

Rated Overspeed Protection

Percent Over Rated Speed Protection						
Parameters		Value		Units		
Overspeed Threshold		1725		RPM		
Overspeed Fault Code		1992				
Overspeed Delay		1		s		
Rated Engine Speed		1500		RPM		
Overspeed Shutdown History Log						
Occurrence		1(Newest)	2	3	4	5(Oldest)
Parameters	Units	Value	Value	Value	Value	Value
ECM Time (Key On Time)	HHHHHH:M M:SS	000002:00:50	000000:00: 00	000000:00: 00	000000:00: 00	000000:00:00
ECM Real Time		Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Engine Speed	RPM	1502	0	0	0	0

Engine Serial Number :22002887  
 Customer Unit Number :\*\*\*\*\*  
 Work Order Name :WO-20230714-101103

System ID and Dataplate

INSITE - 8.6.0.116 / Datapack 8.6.00159  
 Company Name :Cummins Inc.  
 ECM Image Name :I-20230714-101134578  
 Customer Name :Customer Name\*\*

System ID And Dataplate

Features and Parameters	ECM Value	Units
[-] QSB4.5/6.7/7-DM CM850(CM2850)		
[-] CM850		
[-] System ID and Dataplate		
[-] Calibration Information		
[-] Calibration Software Phase	12010008	
[-] Calibration Time/Date Stamp	081109150357	
[-] DO Option	90679	
[-] ECM Code	AZ90079.05	
[-] Other Options		
[-] SC Option	97787	
[-] Customer Information		

System ID and Dataplate

Engine Serial Number :22002887  
 Customer Unit Number :\*\*\*\*\*  
 Work Order Name :WO-20230714-101103

INSITE - 8.6.0.116 / Datapack 8.6.00159  
 Company Name :Cummins Inc.  
 ECM Image Name :I-20230714-101134578  
 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	CM850	
ECM Part Number	4921776	
ECM Serial Number	35043977	
<input type="checkbox"/> Engine Information		
Engine Build Date	062011	
Engine Make	CMMNS	
Engine Model	*****	
Engine Serial Number	22002887	

Engine Serial Number :22002887  
 Customer Unit Number :\*\*\*\*\*  
 Work Order Name :WO-20230714-101103

System ID and Dataplate

INSITE - 8.6.0.116 / Datapack 8.6.00159  
 Company Name :Cummins Inc.  
 ECM Image Name :I-20230714-101134578  
 Customer Name :Customer Name\*\*

Features and Parameters	ECM Value	Units
<input type="checkbox"/> System Information		
Advertised Power at RPM	416	hp
Advertised Power RPM	1500	RPM
Control Parts List	2605	
Fuel Code	91032	
Governed Speed	0	RPM
Peak Torque at RPM	2100	N*m
Peak Torque RPM	1300	RPM
<input type="checkbox"/> Vehicle/OEM Information		
OEM Name	GENERIC	
OEM Vehicle or Equipment Model	QSB7-G	
Vehicle Identification Number or Equipment Serial Number	*****	

Engine Serial Number :22002887  
Customer Unit Number :\*\*\*\*\*  
Work Order Name :WO-20230714-101103

System ID and Dataplate

INSITE - 8.6.0.116 / Datapack 8.6.00159  
Company Name :Cummins Inc.  
ECM Image Name :I-20230714-101134578  
Customer Name :Customer Name\*\*

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

Engine Serial Number :22002887  
Customer Unit Number :\*\*\*\*\*  
Work Order Name :WO-20230714-101103

Technician's Note

INSITE - 8.6.0.116 / Datapack 8.6.00159  
Company Name :Cummins Inc.  
ECM Image Name :I-20230714-101134578  
Customer Name :Customer Name\*\*

Technician's Note

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Description	<b>150kva150kva</b>
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Engine Serial Number :22002887  
 Customer Unit Number :\*\*\*\*\*  
 Work Order Name :WO-20230714-101103

Trip Information

INSITE - 8.6.0.116 / Datapack 8.6.00159  
 Company Name :Cummins Inc.  
 ECM Image Name :I-20230714-101134578  
 Customer Name :Customer Name\*\*

Trip Information

Name	ECM Value	Units
<input type="checkbox"/> QSB4.5/6.7/7-DM CM850(CM2850)		
<input type="checkbox"/> CM850		
<input type="checkbox"/> All Trips (Cumulative)		
<input type="checkbox"/> Fuel Used		
Drive Fuel Used	463722.3	L
Fuel Used	463722.7	L
Idle Fuel Used	0.4	L
<input type="checkbox"/> Other		
Average Engine Load	54.5	percent
Average Engine Speed	1500	RPM
Drive Average Power	56	hp
Engine Protection Shutdown Manual Override	0	
Number Of Trip Resets	0	
<input type="checkbox"/> Time		
Drive Time	035375:58:44	HHHHHH:MM:SS
ECM Time (Key On Time)	035503:44:18	HHHHHH:MM:SS
Engine Run Time	036104:15:52	HHHHHH:MM:SS
Idle Time	000000:35:23	HHHHHH:MM:SS
<input type="checkbox"/> Trip Since Last Reset		
<input type="checkbox"/> Fuel Used		
Average Fuel Rate	13.1	L/hr
Fuel Used	463722.7	L
Idle Fuel Used	0.4	L
<input type="checkbox"/> Other		
Average Engine Load	54.5	percent
Average Engine Speed	1500	RPM

Trip Information

Engine Serial Number :22002887  
 Customer Unit Number :\*\*\*\*\*  
 Work Order Name :WO-20230714-101103

INSITE - 8.6.0.116 / Datapack 8.6.00159  
 Company Name :Cummins Inc.  
 ECM Image Name :I-20230714-101134578  
 Customer Name :Customer Name\*\*

Name	ECM Value	Units
⚡ Engine Protection Shutdown Manual Override	0	
⚡ Keyswitch Cycles	1404	
⚡ Maximum Engine Speed	2155	RPM
⚡ Number of Idle Shutdown Overrides	0	
⚡ Number of Idle Shutdowns	0	
📁 <b>Time</b>		
⚡ ECM Time	035581:44:08	HHHHHH:MM:SS
⚡ Engine Protection Time Derated	000000:00:00	HHHHHH:MM:SS
⚡ Engine Run Time	035376:28:30	HHHHHH:MM:SS
⚡ Idle Time	000000:35:23	HHHHHH:MM:SS
⚡ Percent Trip Time At Idle	0.0	percent
📁 <b>Trip Since Last Reset Drive (Vehicle Speed &gt; 0)</b>		
📁 <b>Fuel Used</b>		
⚡ Drive Fuel Used	463722.3	L
📁 <b>Other</b>		
⚡ Drive Average Engine Speed	1500	RPM
⚡ Drive Average Load	54.5	percent
⚡ Drive Average Power	56	hp
📁 <b>Time</b>		
⚡ Drive Time	035375:58:44	HHHHHH:MM:SS