

Engine Serial Number :73971136  
Customer Unit Number :\*\*\*\*\*  
Work Order Name :WO-20230714-101546

INSITE - 8.6.0.116 / Datapack 8.6.00159  
Company Name :Cummins Inc.  
ECM Image Name :I-20230714-101611714  
Customer Name :Customer Name\*\*

ECM Image

WorkOrder Information

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Work Order Name :	<b>WO-20230714-101546</b>
Customer Name :	<b>Customer Name**</b>
Technician's Note	<b>UON</b>
Status	<b>Good</b>
Engine Serial Number	<b>73971136</b>
Vehicle ID	<b>*****</b>
Vehicle Make	<b>G DRIVE</b>
Vehicle Unit Number	<b>*****</b>
Vehicle Odometer	<b>Enter Vehicle Mileage</b>

Image Information

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Date	<b>14-Jul-2023 10:16:11 AM</b>
File Location	<b>C:\Intellect\INSITE\Work Orders\I-20230714-101611714</b>
Technician's Note	<b>UON</b>
ECM	<b>CM850</b>
Status	<b>Good</b>

Engine Serial Number :73971136  
 Customer Unit Number :\*\*\*\*\*  
 Work Order Name :WO-20230714-101546

Audit Trail

INSITE - 8.6.0.116 / Datapack 8.6.00159  
 Company Name :Cummins Inc.  
 ECM Image Name :I-20230714-101611714  
 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	05140200CEC0	Software	000000000000	000000:04:21	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 :73971136  
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 Work Order Name :WO-20230714-101546

Data Monitors

INSITE - 8.6.0.116 / Datapack 8.6.00159  
 Company Name :Cummins Inc.  
 ECM Image Name :I-20230714-101611714  
 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	On	
Barometric Air Pressure	14.8	psi
Barometric Air Pressure Sensor Signal Voltage	4.00	V
Battery Voltage	24.6	V
Calibration Software Phase	12010014	
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)	031118:05:44	HHHHHH:MM:SS
Engine Coolant Level	Normal	
Engine Coolant Temperature	15.6	°C
Engine Coolant Temperature Sensor Signal Voltage	3.75	V
Engine Hours	032960:45:48	HHHHHH:MM:SS
Engine Oil Pressure	0.2	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	

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Data Monitors

INSITE - 8.6.0.116 / Datapack 8.6.00159  
 Company Name :Cummins Inc.  
 ECM Image Name :I-20230714-101611714  
 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	123	psi
Fuel Rail Pressure Sensor Signal Voltage	0.52	V
Gain Adjustment Position	5.00	
Gain Voltage	0.00	V
Idle Rated Switch State	Rated	
Injector Boost Supply Voltage Commanded	50.0	V
Injector Boost Supply Voltage Measured	24.3	V
Instantaneous Fuel Rate	0.0	L/hr
Intake Manifold Air Temperature	16.4	°C
Intake Manifold Air Temperature Sensor Signal Voltage	1.75	V
Intake Manifold Pressure	-0.1	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 :73971136  
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Data Monitors

INSITE - 8.6.0.116 / Datapack 8.6.00159  
 Company Name :Cummins Inc.  
 ECM Image Name :I-20230714-101611714  
 Customer Name :Customer Name\*\*

Parameter	Value	Units
Keyswitch	On	
Keyswitch Off Counts	317	
Keyswitch On Counts	292	
Low Idle Adjustment Switch	Neutral	
Maximum Ramp Time	30	s
Minimum Ramp Time	0	s
Net Engine Torque	-25	N*m
OEM Auxiliary Temperature	100.0	°C
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
Speed Bias	0.0	RPM
Undrooped Speed Reference	1500.00	RPM
Water In Fuel Detected Total Accumulated Time	000000:00:00	HHHHHH:MM:SS
Water In Fuel State	No Water Detected	

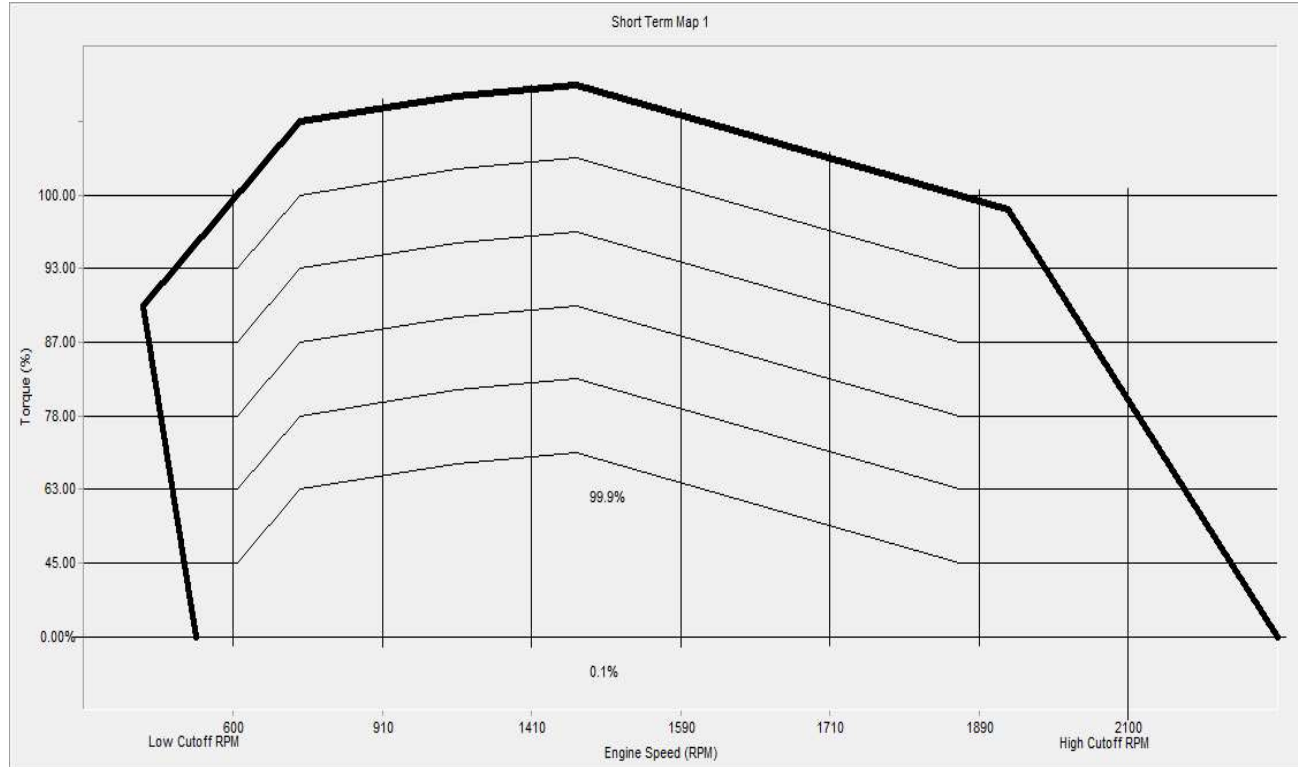
Duty Cycle Monitor

Engine Serial Number :73971136  
Customer Unit Number :\*\*\*\*\*  
Work Order Name :WO-20230714-101546

INSITE - 8.6.0.116 / Datapack 8.6.00159  
Company Name :Cummins Inc.  
ECM Image Name :I-20230714-101611714  
Customer Name :Customer Name\*\*

Duty Cycle Monitor

# Short Term Map 1



Engine Serial Number :73971136  
Customer Unit Number :\*\*\*\*\*  
Work Order Name :WO-20230714-101546

Duty Cycle Monitor

INSITE - 8.6.0.116 / Datapack 8.6.00159  
Company Name :Cummins Inc.  
ECM Image Name :I-20230714-101611714  
Customer Name :Customer Name\*\*

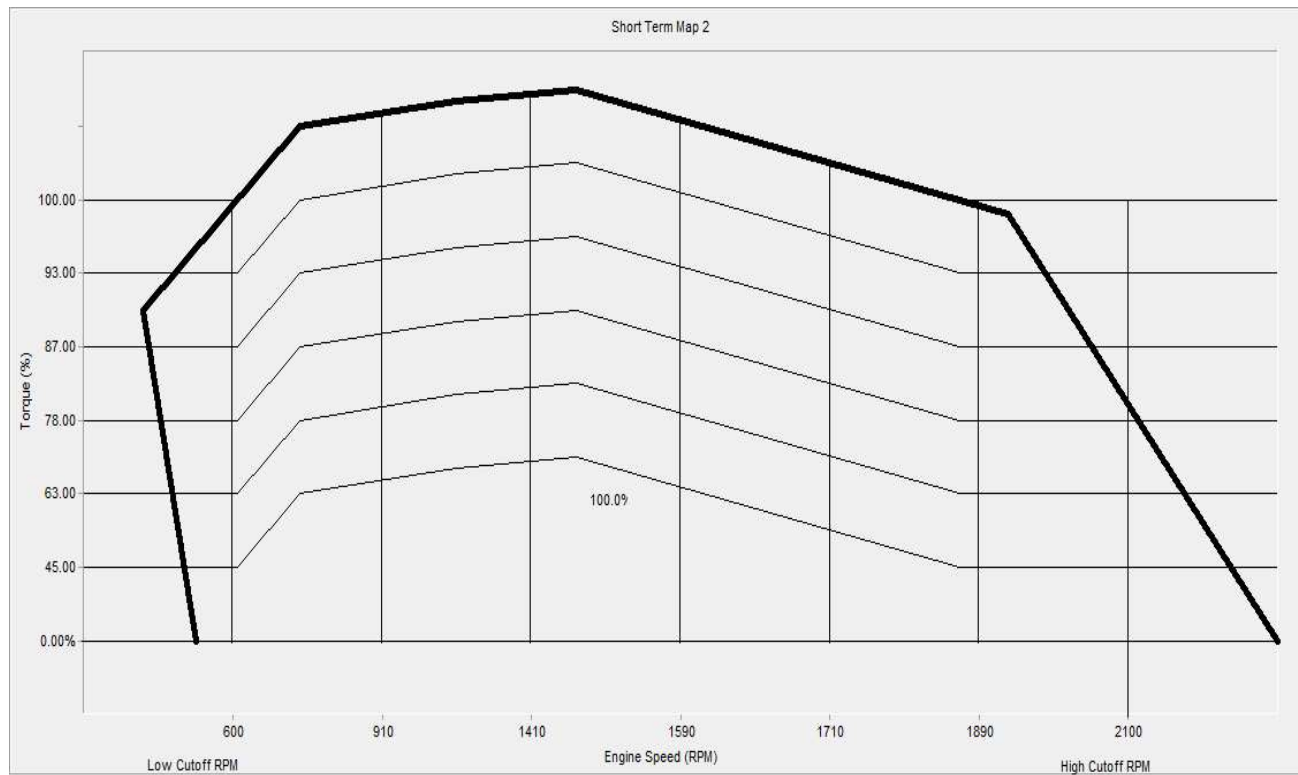
Parameter	Value	Unit
Peak Torque at RPM	1158	N*m
Peak Torque RPM	1500	RPM
Advertised Power at RPM	416	hp
Advertised Power RPM	1500	RPM
Map 1 Hours Remaining	382:47:27	HH:MM:SS
Map 1 Total Time	117:12:33	HH:MM:SS
Map 1 Start Time	32842:31:28	HH:MM:SS

Duty Cycle Monitor

Engine Serial Number :73971136  
Customer Unit Number :\*\*\*\*\*  
Work Order Name :WO-20230714-101546

INSITE - 8.6.0.116 / Datapack 8.6.00159  
Company Name :Cummins Inc.  
ECM Image Name :I-20230714-101611714  
Customer Name :Customer Name\*\*

# Short Term Map 2





Engine Serial Number :73971136  
Customer Unit Number :\*\*\*\*\*  
Work Order Name :WO-20230714-101546

Duty Cycle Monitor

INSITE - 8.6.0.116 / Datapack 8.6.00159  
Company Name :Cummins Inc.  
ECM Image Name :I-20230714-101611714  
Customer Name :Customer Name\*\*

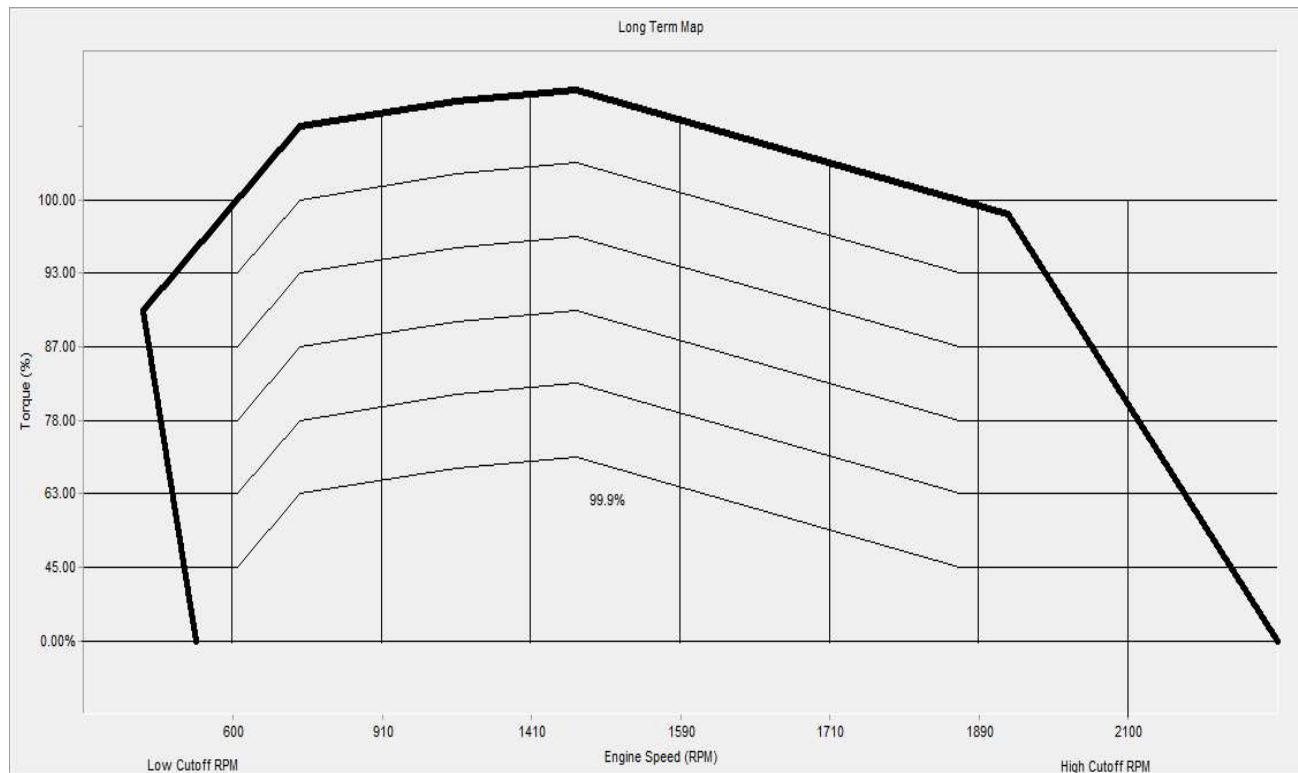
Parameter	Value	Unit
Peak Torque at RPM	1158	N*m
Peak Torque RPM	1500	RPM
Advertised Power at RPM	416	hp
Advertised Power RPM	1500	RPM
Map 2 Hours Remaining	00:00:00	HH:MM:SS
Map 2 Total Time	500:00:00	HH:MM:SS
Map 2 Start Time	32342:30:23	HH:MM:SS

Duty Cycle Monitor

Engine Serial Number :73971136  
Customer Unit Number :\*\*\*\*\*  
Work Order Name :WO-20230714-101546

INSITE - 8.6.0.116 / Datapack 8.6.00159  
Company Name :Cummins Inc.  
ECM Image Name :I-20230714-101611714  
Customer Name :Customer Name\*\*

# Long Term Map



Engine Serial Number :73971136  
Customer Unit Number :\*\*\*\*\*  
Work Order Name :WO-20230714-101546

Duty Cycle Monitor

INSITE - 8.6.0.116 / Datapack 8.6.00159  
Company Name :Cummins Inc.  
ECM Image Name :I-20230714-101611714  
Customer Name :Customer Name\*\*

Parameter	Value	Unit
Peak Torque at RPM	1158	N*m
Peak Torque RPM	1500	RPM
Advertised Power at RPM	416	hp
Advertised Power RPM	1500	RPM
Long Term Map Total Time	31117:12:33	HH:MM:SS
Long Term Map Start Time	00:30:00	HH:MM:SS

Engine Protection

Engine Serial Number :73971136  
 Customer Unit Number :\*\*\*\*\*  
 Work Order Name :WO-20230714-101546

INSITE - 8.6.0.116 / Datapack 8.6.00159  
 Company Name :Cummins Inc.  
 ECM Image Name :I-20230714-101611714  
 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 Le	143	Newest	31.0 psi	1103518:11:56	298261:37:03	Not Applicable
	143	2	-22.1 psi	077969:38:08	298257:32:29	Not Applicable
	143	3	0.0 psi	124462:23:30	000054:36:47	Not Applicable
	143	Oldest	0.0 psi	1193030:09:56	000000:00:06	Not Applicable
Coolant Level - Data Valid But Below Normal Operating Range - Most Severe Level	235	Newest	Low	437944:19:12	298261:37:03	Not Applicable
<input type="checkbox"/> Engine Oil Rifle Pressure - Data Valid But Below Normal Operating Range - Most Severe Level	415	Newest	31.0 psi	397768:06:55	298261:37:03	Not Applicable
	415	2	99.9 psi	067374:38:56	298257:32:29	Not Applicable
	415	3	0.0 psi	124469:51:10	000018:12:15	Not Applicable
	415	Oldest	0.0 psi	1193030:09:57	000000:00:00	Not Applicable

Engine Protection Setting

Engine Serial Number :73971136  
 Customer Unit Number :\*\*\*\*\*  
 Work Order Name :WO-20230714-101546

INSITE - 8.6.0.116 / Datapack 8.6.00159  
 Company Name :Cummins Inc.  
 ECM Image Name :I-20230714-101611714  
 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	5 s	Disable	10 s	5 s
				0	-16.2 psi				
				590	-0.7 psi				
				600	8.1 psi				
				1200	19.0 psi				
				1500	20.0 psi				
				1800	25.0 psi				

Engine Protection Setting

Engine Serial Number :73971136  
 Customer Unit Number :\*\*\*\*\*  
 Work Order Name :WO-20230714-101546

INSITE - 8.6.0.116 / Datapack 8.6.00159  
 Company Name :Cummins Inc.  
 ECM Image Name :I-20230714-101611714  
 Customer Name :Customer Name\*\*

Engine Coolant Level	Enable	0235	Time	Low	10 s	Enable	10 s	15 s
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 :73971136  
 Customer Unit Number :\*\*\*\*\*  
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INSITE - 8.6.0.116 / Datapack 8.6.00159  
 Company Name :Cummins Inc.  
 ECM Image Name :I-20230714-101611714  
 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	10 s	5 s
				0	-16.2 psi				
				590	-0.7 psi				
				600	6.1 psi				
				1200	17.0 psi				
				1500	17.0 psi				
				1800	23.0 psi				
Intake Manifold Air Temperature	Enable	0488	Time	85.0 °C		90 s	Disable	10 s	0 s
Engine Overspeed	Enable	0234	Time	2250 RPM		1 s	Undefined	Undefined	Undefined

Engine Protection Setting

Engine Serial Number :73971136  
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INSITE - 8.6.0.116 / Datapack 8.6.00159  
 Company Name :Cummins Inc.  
 ECM Image Name :I-20230714-101611714  
 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 :73971136  
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 Work Order Name :WO-20230714-101546

Fault Codes

INSITE - 8.6.0.116 / Datapack 8.6.00159  
 Company Name :Cummins Inc.  
 ECM Image Name :I-20230714-101611714  
 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)	031118:05:44		HHHHHH:MM:SS					
	Engine Hours	032960:45:48		HHHHHH:MM:SS					
	Keyoffs	317							
<input checked="" type="checkbox"/> 0285	Active	1	Amber	SAE J1939 Multiplexing PGN Timeout Error - Abnormal Update Rate		231	9	9	639
<input checked="" type="checkbox"/> 0426	Active	46	None	J1939 Network #1 - Data Erratic, Intermittent, or Incorrect		231	2	2	639
<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"/> 0449	Inactive	1	Red	Injector Metering Rail 1 Pressure - Data Valid But Above Normal Operating Range Most Severe Level	157		0	0	157
<input checked="" type="checkbox"/> 1845	Inactive	4	Maintenance	Water in Fuel Indicator Sensor Circuit - Voltage Above Normal or Shorted to High Source	97		3	3	97

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Fault Codes



INSITE - 8.6.0.116 / Datapack 8.6.00159  
 Company Name :Cummins Inc.  
 ECM Image Name :I-20230714-101611714  
 Customer Name :Customer Name\*\*

Fault Code	Status	Count	Lamp	Description	PID	SID	J1587 FMI	J1939 FMI	SPN
	Fault Parameters	First	Last	Units					
+ 0197	Inactive	3	Amber	Coolant Level - Data Valid But Below Normal Operating Range - Moderately Severe Level	111		1	18	111
+ 0235	Inactive	3	Red	Coolant Level - Data Valid But Below Normal Operating Range - Most Severe Level	111		1	1	111
+ 1847	Inactive	1	Red	Engine Coolant Temperature - Special Instructions	110		14	14	110
+ 0146	Inactive	1	Amber	Engine Coolant Temperature - Data Valid But Above Normal Operating Range - Moderately Severe Level	110		0	16	110
+ 0151	Inactive	1	Red	Engine Coolant Temperature - Data Valid But Above Normal Operating Range - Most Severe Level	110		0	0	110
+ 0415	Inactive	130	Red	Engine Oil Rifle Pressure - Data Valid But Below Normal Operating Range - Most Severe Level	100		1	1	100
+ 0143	Inactive	250	Amber	Engine Oil Rifle Pressure - Data Valid But Below Normal Operating Range - Moderately Severe Level	100		1	18	100
+ 1117	Inactive	16	None	Power Supply Lost With Ignition On - Data Erratic, Intermittent, or Incorrect		251	2	2	3597

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Fault Codes

INSITE - 8.6.0.116 / Datapack 8.6.00159  
 Company Name :Cummins Inc.  
 ECM Image Name :I-20230714-101611714  
 Customer Name :Customer Name\*\*

Fault Code	Status	Count	Lamp	Description	PID	SID	J1587 FMI	J1939 FMI	SPN
	Fault Parameters	First	Last	Units					
  0559	Inactive	97	Amber	Injector Metering Rail 1 Pressure - Data Valid But Below Normal Operating Rang Moderately Severe Level	157		1	18	157

Engine Serial Number :73971136  
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Fault Snapshot

INSITE - 8.6.0.116 / Datapack 8.6.00159  
 Company Name :Cummins Inc.  
 ECM Image Name :I-20230714-101611714  
 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)	031118:05:44		HHHHHH:MM:SS					
	Engine Hours	032960:45:48		HHHHHH:MM:SS					
	Keyoffs	317							
<input type="checkbox"/> 0285	<b>Active</b>	<b>1</b>	<b>Amber</b>	<b>SAE J1939 Multiplexing PGN Timeout Error - Abnormal Update Rate</b>		<b>231</b>	<b>9</b>	<b>9</b>	<b>639</b>
	ECM Time (Key On Time)	031101:28:43		HHHHHH:MM:SS					
	Alternate Frequency Switch	Primary							
	Barometric Air Pressure	13.6		psi					
	Battery Voltage	27.4		V					
	Calibration Software Phase	12010014							
	Droop Adjust	0.00		percent					
	Droop Adjust Voltage	0.0		V					

Fault Snapshot

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INSITE - 8.6.0.116 / Datapack 8.6.00159  
 Company Name :Cummins Inc.  
 ECM Image Name :I-20230714-101611714  
 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	125.0		mA					
	Engine Coolant Temperature	35.7		°C					
	Engine Hours	032943:13:36		HHHHHH:MM:SS					
	Engine Oil Pressure	0.6		psi					
	Engine Oil Pressure Sensor Type	Analog							
	Engine Operating State	Low Speed Governor State							
	Engine Overspeed Lamp Status	Off							
	Engine Protection Derate Suppress	Enable							
	Engine Protection Shutdown Override Switch	Off							
	Engine Speed	712		RPM					
	Engine Speed Backup Sensor State	Valid Signal							

Fault Snapshot

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INSITE - 8.6.0.116 / Datapack 8.6.00159  
 Company Name :Cummins Inc.  
 ECM Image Name :I-20230714-101611714  
 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							
	Engine Torque Mode	Low Idle Governor							
	Final Frequency Adjust	0.00		RPM					
	Final Rated Speed Reference	1500.00		RPM					
	Frequency Adjust	0.00		RPM					
	Frequency Adjust Voltage	0.0		V					
	Fuel Flow Rate Commanded	6.86		L/hr					
	Fuel Pump Actuator Commanded Current	1312.50		mA					
	Fuel Pump Actuator Measured Current	1375.00		mA					
	Fuel Rail Pressure Commanded	9982		psi					
	Fuel Rail Pressure Measured	9864		psi					

Fault Snapshot

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 ECM Image Name :I-20230714-101611714  
 Customer Name :Customer Name\*\*

Fault Code	Status	Count	Lamp	Description	PID	SID	J1587 FMI	J1939 FMI	SPN
	Fault Parameters	First	Last	Units					
	Gain Adjust Potentiometer User Selectable	True							
	Gain Adjustment Position	5.00							
	Gain Voltage	0.00		V					
	Idle Rated Switch State	Idle							
	Injector Boost Supply Voltage Measured	57.1		V					
	Intake Manifold Air Temperature	36.4		°C					
	Intake Manifold Pressure	-0.3		psi					
	Keyswitch	On							
	Low Idle Adjustment Switch	Undefined							
	Low Idle Decrement Switch	Off							
	Maximum Ramp Time	30		s					
	Minimum Ramp Time	0		s					
	Moderately High Engine Temperature Lamp Status	Off							

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INSITE - 8.6.0.116 / Datapack 8.6.00159  
 Company Name :Cummins Inc.  
 ECM Image Name :I-20230714-101611714  
 Customer Name :Customer Name\*\*

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



Fault Snapshot

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INSITE - 8.6.0.116 / Datapack 8.6.00159  
 Company Name :Cummins Inc.  
 ECM Image Name :I-20230714-101611714  
 Customer Name :Customer Name\*\*

Fault Code	Status	Count	Lamp	Description	PID	SID	J1587 FMI	J1939 FMI	SPN
	Fault Parameters	First	Last	Units					
<b>0426</b>	<b>Active</b>	<b>46</b>	<b>None</b>	<b>J1939 Network #1 - Data Erratic, Intermittent, or Incorrect</b>		<b>231</b>	<b>2</b>	<b>2</b>	<b>639</b>
	No fault snapshot data detected in the ECM.								
<b>0195</b>	<b>Inactive</b>	<b>1</b>	<b>Amber</b>	<b>Coolant Level Sensor 1 Circuit - Voltage Above Normal or Shorted to High Source</b>	<b>111</b>		<b>3</b>	<b>3</b>	<b>111</b>
	No fault snapshot data detected in the ECM.								
<b>0449</b>	<b>Inactive</b>	<b>1</b>	<b>Red</b>	<b>Injector Metering Rail 1 Pressure - Data Valid But Above Normal Operating Range Most Severe Level</b>	<b>157</b>		<b>0</b>	<b>0</b>	<b>157</b>
	No fault snapshot data detected in the ECM.								
<b>1845</b>	<b>Inactive</b>	<b>4</b>	<b>Maintenance</b>	<b>Water in Fuel Indicator Sensor Circuit - Voltage Above Normal or Shorted to High Source</b>	<b>97</b>		<b>3</b>	<b>3</b>	<b>97</b>
	No fault snapshot data detected in the ECM.								

Fault Snapshot

Engine Serial Number :73971136  
 Customer Unit Number :\*\*\*\*\*  
 Work Order Name :WO-20230714-101546

INSITE - 8.6.0.116 / Datapack 8.6.00159  
 Company Name :Cummins Inc.  
 ECM Image Name :I-20230714-101611714  
 Customer Name :Customer Name\*\*

Fault Code	Status	Count	Lamp	Description	PID	SID	J1587 FMI	J1939 FMI	SPN
	Fault Parameters	First	Last	Units					
0197	Inactive	3	Amber	Coolant Level - Data Valid But Below Normal Operating Range - Moderately Severe Level	111		1	18	111
	No fault snapshot data detected in the ECM.								
0235	Inactive	3	Red	Coolant Level - Data Valid But Below Normal Operating Range - Most Severe Level	111		1	1	111
	ECM Time (Key On Time)	000000:04:12	028686:08:13	HHHHHH:MM:SS					
	Alternate Frequency Switch	Primary	Primary						
	Barometric Air Pressure	14.7	13.7	psi					
	Battery Voltage	24.2	27.4	V					
	Calibration Software Phase	12010014	12010014						
	Droop Adjust	0.00	0.00	percent					
	Droop Adjust Voltage	0.0	0.0	V					
	Electric Fuel Lift Pump Current	62.5	125.0	mA					
	Engine Coolant Temperature	23.7	39.9	°C					

Fault Snapshot

Engine Serial Number :73971136  
 Customer Unit Number :\*\*\*\*\*  
 Work Order Name :WO-20230714-101546

INSITE - 8.6.0.116 / Datapack 8.6.00159  
 Company Name :Cummins Inc.  
 ECM Image Name :I-20230714-101611714  
 Customer Name :Customer Name\*\*

Fault Code	Status	Count	Lamp	Description	PID	SID	J1587 FMI	J1939 FMI	SPN
	Fault Parameters	First	Last	Units					
	Engine Hours	000000:30:00	030527:25:10	HHHHHH:MM:SS					
	Engine Oil Pressure	0.2	73.7	psi					
	Engine Oil Pressure Sensor Type	Analog	Analog						
	Engine Operating State	Engine Stop	Rated Speed Control						
	Engine Overspeed Lamp Status	Off	Off						
	Engine Protection Derate Suppress	Enable	Enable						
	Engine Protection Shutdown Override Switch	Off	Off						
	Engine Speed	0	1500	RPM					
	Engine Speed Backup Sensor State	High Input Voltage	Valid Signal						
	Engine Speed Status	Stopped	Good						
	Engine Torque Mode	Other	Other						
	Final Frequency Adjust	0.00	0.00	RPM					

Fault Snapshot

Engine Serial Number :73971136  
 Customer Unit Number :\*\*\*\*\*  
 Work Order Name :WO-20230714-101546

INSITE - 8.6.0.116 / Datapack 8.6.00159  
 Company Name :Cummins Inc.  
 ECM Image Name :I-20230714-101611714  
 Customer Name :Customer Name\*\*

Fault Code	Status	Count	Lamp	Description	PID	SID	J1587 FMI	J1939 FMI	SPN
	Fault Parameters	First	Last	Units					
	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	9.00	L/hr					
	Fuel Pump Actuator Commanded Current	1187.50	1312.50	mA					
	Fuel Pump Actuator Measured Current	1187.50	1312.50	mA					
	Fuel Rail Pressure Commanded	5221	14386	psi					
	Fuel Rail Pressure Measured	7	14531	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						

Engine Serial Number :73971136  
 Customer Unit Number :\*\*\*\*\*  
 Work Order Name :WO-20230714-101546

Fault Snapshot

INSITE - 8.6.0.116 / Datapack 8.6.00159  
 Company Name :Cummins Inc.  
 ECM Image Name :I-20230714-101611714  
 Customer Name :Customer Name\*\*

Fault Code	Status	Count	Lamp	Description	PID	SID	J1587 FMI	J1939 FMI	SPN
	Fault Parameters	First	Last	Units					
	Injector Boost Supply Voltage Measured	24.1	50.8	V					
	Intake Manifold Air Temperature	24.3	22.5	°C					
	Intake Manifold Pressure	0.0	0.6	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	0	5	percent					
	Primary Rated Speed	1500	1500	RPM					
	Secondary Rated Speed	1800	1800	RPM					

Fault Snapshot

Engine Serial Number :73971136  
 Customer Unit Number :\*\*\*\*\*  
 Work Order Name :WO-20230714-101546


INSITE - 8.6.0.116 / Datapack 8.6.00159  
 Company Name :Cummins Inc.  
 ECM Image Name :I-20230714-101611714  
 Customer Name :Customer Name\*\*

Fault Code	Status	Count	Lamp	Description	PID	SID	J1587 FMI	J1939 FMI	SPN
	Fault Parameters	First	Last	Units					
	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						
1847	Inactive	1	Red	Engine Coolant Temperature - Special Instructions	110		14	14	110
	No fault snapshot data detected in the ECM.								

Fault Snapshot

Engine Serial Number :73971136  
 Customer Unit Number :\*\*\*\*\*  
 Work Order Name :WO-20230714-101546

INSITE - 8.6.0.116 / Datapack 8.6.00159  
 Company Name :Cummins Inc.  
 ECM Image Name :I-20230714-101611714  
 Customer Name :Customer Name\*\*

Fault Code	Status	Count	Lamp	Description	PID	SID	J1587 FMI	J1939 FMI	SPN
	Fault Parameters	First	Last	Units					
 <b>0146</b>	<b>Inactive</b>	<b>1</b>	<b>Amber</b>	<b>Engine Coolant Temperature - Data Valid But Above Normal Operating Range - Moderately Severe Level</b>	<b>110</b>		<b>0</b>	<b>16</b>	<b>110</b>
	ECM Time (Key On Time)	027081:39:16	029815:38:47	HHHHHH:MM:SS					
	Alternate Frequency Switch	Primary	Primary						
	Barometric Air Pressure	13.7	13.7	psi					
	Battery Voltage	21.6	25.8	V					
	Calibration Software Phase	12010014	12010014						
	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	21.9	109.3	°C					
	Engine Hours	028922:56:51	031656:55:16	HHHHHH:MM:SS					
	Engine Oil Pressure	0.3	47.5	psi					
	Engine Oil Pressure Sensor Type	Analog	Analog						

Fault Snapshot

Engine Serial Number :73971136  
 Customer Unit Number :\*\*\*\*\*  
 Work Order Name :WO-20230714-101546

INSITE - 8.6.0.116 / Datapack 8.6.00159  
 Company Name :Cummins Inc.  
 ECM Image Name :I-20230714-101611714  
 Customer Name :Customer Name\*\*

Fault Code	Status	Count	Lamp	Description	PID	SID	J1587 FMI	J1939 FMI	SPN
	Fault Parameters	First	Last	Units					
	Engine Operating State	Crank State	Rated Speed Control						
	Engine Overspeed Lamp Status	Off	Off						
	Engine Protection Derate Suppress	Enable	Enable						
	Engine Protection Shutdown Override Switch	Off	Off						
	Engine Speed	169	1500	RPM					
	Engine Speed Backup Sensor State	Valid Signal	Valid Signal						
	Engine Speed Status	Good	Good						
	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					



Fault Snapshot

Engine Serial Number :73971136  
 Customer Unit Number :\*\*\*\*\*  
 Work Order Name :WO-20230714-101546

INSITE - 8.6.0.116 / Datapack 8.6.00159  
 Company Name :Cummins Inc.  
 ECM Image Name :I-20230714-101611714  
 Customer Name :Customer Name\*\*

Fault Code	Status	Count	Lamp	Description	PID	SID	J1587 FMI	J1939 FMI	SPN
	Fault Parameters	First	Last	Units					
	Fuel Flow Rate Commanded	54.00	11.03	L/hr					
	Fuel Pump Actuator Commanded Current	1062.50	1312.50	mA					
	Fuel Pump Actuator Measured Current	1062.50	1312.50	mA					
	Fuel Rail Pressure Commanded	6478	13044	psi					
	Fuel Rail Pressure Measured	676	13191	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	Idle	Rated						
	Injector Boost Supply Voltage Measured	69.9	50.8	V					
	Intake Manifold Air Temperature	21.5	38.5	°C					

Fault Snapshot

Engine Serial Number :73971136  
 Customer Unit Number :\*\*\*\*\*  
 Work Order Name :WO-20230714-101546

INSITE - 8.6.0.116 / Datapack 8.6.00159  
 Company Name :Cummins Inc.  
 ECM Image Name :I-20230714-101611714  
 Customer Name :Customer Name\*\*

Fault Code	Status	Count	Lamp	Description	PID	SID	J1587 FMI	J1939 FMI	SPN
	Fault Parameters	First	Last	Units					
	Intake Manifold Pressure	-0.1	2.3	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	42	3	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					

Fault Snapshot

Engine Serial Number :73971136  
 Customer Unit Number :\*\*\*\*\*  
 Work Order Name :WO-20230714-101546


INSITE - 8.6.0.116 / Datapack 8.6.00159  
 Company Name :Cummins Inc.  
 ECM Image Name :I-20230714-101611714  
 Customer Name :Customer Name\*\*

Fault Code	Status	Count	Lamp	Description	PID	SID	J1587 FMI	J1939 FMI	SPN
	Fault Parameters	First	Last	Units					
	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						
<b>0151</b>	<b>Inactive</b>	<b>1</b>	<b>Red</b>	<b>Engine Coolant Temperature - Data Valid But Above Normal Operating Range - Most Severe Level</b>	<b>110</b>		<b>0</b>	<b>0</b>	<b>110</b>
	No fault snapshot data detected in the ECM.								
<b>0415</b>	<b>Inactive</b>	<b>130</b>	<b>Red</b>	<b>Engine Oil Rifle Pressure - Data Valid But Below Normal Operating Range - Most Severe Level</b>	<b>100</b>		<b>1</b>	<b>1</b>	<b>100</b>
	No fault snapshot data detected in the ECM.								

Fault Snapshot

Engine Serial Number :73971136  
 Customer Unit Number :\*\*\*\*\*  
 Work Order Name :WO-20230714-101546

INSITE - 8.6.0.116 / Datapack 8.6.00159  
 Company Name :Cummins Inc.  
 ECM Image Name :I-20230714-101611714  
 Customer Name :Customer Name\*\*

Fault Code	Status	Count	Lamp	Description	PID	SID	J1587 FMI	J1939 FMI	SPN
	Fault Parameters	First	Last	Units					
 <b>0143</b>	<b>Inactive</b>	<b>250</b>	<b>Amber</b>	<b>Engine Oil Rifle Pressure - Data Valid Bu Below Normal Operating Range - Moderately Severe Level</b>	<b>100</b>		<b>1</b>	<b>18</b>	<b>100</b>
	ECM Time (Key On Time)	024405:14:13	031115:36:57	HHHHHH:MM:SS					
	Alternate Frequency Switch	Primary	Primary						
	Barometric Air Pressure	13.6	13.6	psi					
	Battery Voltage	27.3	27.5	V					
	Calibration Software Phase	12010014	12010014						
	Droop Adjust	0.00	0.00	percent					
	Droop Adjust Voltage	0.0	0.0	V					
	Electric Fuel Lift Pump Current	125.0	125.0	mA					
	Engine Coolant Temperature	84.8	84.5	°C					
	Engine Hours	026246:34:03	032957:21:15	HHHHHH:MM:SS					
	Engine Oil Pressure	55.9	19.6	psi					
	Engine Oil Pressure Sensor Type	Analog	Analog						

Fault Snapshot

Engine Serial Number :73971136  
 Customer Unit Number :\*\*\*\*\*  
 Work Order Name :WO-20230714-101546

INSITE - 8.6.0.116 / Datapack 8.6.00159  
 Company Name :Cummins Inc.  
 ECM Image Name :I-20230714-101611714  
 Customer Name :Customer Name\*\*

Fault Code	Status	Count	Lamp	Description	PID	SID	J1587 FMI	J1939 FMI	SPN
	Fault Parameters	First	Last	Units					
	Engine Operating State	Rated Speed Control	Rated Speed Control						
	Engine Overspeed Lamp Status	Off	Off						
	Engine Protection Derate Suppress	Enable	Enable						
	Engine Protection Shutdown Override Switch	Off	Off						
	Engine Speed	1499	1493	RPM					
	Engine Speed Backup Sensor State	Valid Signal	Valid Signal						
	Engine Speed Status	Good	Good						
	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					

Fault Snapshot

Engine Serial Number :73971136  
 Customer Unit Number :\*\*\*\*\*  
 Work Order Name :WO-20230714-101546

INSITE - 8.6.0.116 / Datapack 8.6.00159  
 Company Name :Cummins Inc.  
 ECM Image Name :I-20230714-101611714  
 Customer Name :Customer Name\*\*

Fault Code	Status	Count	Lamp	Description	PID	SID	J1587 FMI	J1939 FMI	SPN
	Fault Parameters	First	Last	Units					
	Fuel Flow Rate Commanded	10.01	16.43	L/hr					
	Fuel Pump Actuator Commanded Current	1312.50	1250.00	mA					
	Fuel Pump Actuator Measured Current	1312.50	1250.00	mA					
	Fuel Rail Pressure Commanded	10633	13295	psi					
	Fuel Rail Pressure Measured	10588	13251	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	51.3	51.7	V					
	Intake Manifold Air Temperature	46.3	32.8	°C					

Fault Snapshot

Engine Serial Number :73971136  
 Customer Unit Number :\*\*\*\*\*  
 Work Order Name :WO-20230714-101546

INSITE - 8.6.0.116 / Datapack 8.6.00159  
 Company Name :Cummins Inc.  
 ECM Image Name :I-20230714-101611714  
 Customer Name :Customer Name\*\*

Fault Code	Status	Count	Lamp	Description	PID	SID	J1587 FMI	J1939 FMI	SPN
	Fault Parameters	First	Last	Units					
	Intake Manifold Pressure	1.2	4.4	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	0	16	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					

Fault Snapshot

Engine Serial Number :73971136  
 Customer Unit Number :\*\*\*\*\*  
 Work Order Name :WO-20230714-101546

INSITE - 8.6.0.116 / Datapack 8.6.00159  
 Company Name :Cummins Inc.  
 ECM Image Name :I-20230714-101611714  
 Customer Name :Customer Name\*\*

Fault Code	Status	Count	Lamp	Description	PID	SID	J1587 FMI	J1939 FMI	SPN
	Fault Parameters	First	Last	Units					
	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						
<input type="checkbox"/> 1117	Inactive	16	None	Power Supply Lost With Ignition On - Data Erratic, Intermittent, or Incorrect		251	2	2	3597
	ECM Time (Key On Time)	000002:09:53	031117:55:31	HHHHHH:MM:SS					
	Alternate Frequency Switch	Primary	Primary						
	Barometric Air Pressure	0.0	0.0	psi					
	Battery Voltage	25.8	16.0	V					
	Calibration Software Phase	12010014	12010014						



Fault Snapshot

Engine Serial Number :73971136  
 Customer Unit Number :\*\*\*\*\*  
 Work Order Name :WO-20230714-101546

INSITE - 8.6.0.116 / Datapack 8.6.00159  
 Company Name :Cummins Inc.  
 ECM Image Name :I-20230714-101611714  
 Customer Name :Customer Name\*\*

Fault Code	Status	Count	Lamp	Description	PID	SID	J1587 FMI	J1939 FMI	SPN
	Fault Parameters	First	Last	Units					
	Droop Adjust	0.00	0.00	percent					
	Droop Adjust Voltage	0.0	0.0	V					
	Electric Fuel Lift Pump Current	125.0	62.5	mA					
	Engine Coolant Temperature	0.0	0.0	°C					
	Engine Hours	000003:56:41	032960:39:02	HHHHHH:MM:SS					
	Engine Oil Pressure	14.5	15.0	psi					
	Engine Oil Pressure Sensor Type	Analog	Analog						
	Engine Operating State	Engine Stop	Engine Stop						
	Engine Overspeed Lamp Status	Off	Off						
	Engine Protection Derate Suppress	Enable	Enable						
	Engine Protection Shutdown Override Switch	Off	Off						
	Engine Speed	0	0	RPM					

Fault Snapshot

Engine Serial Number :73971136  
 Customer Unit Number :\*\*\*\*\*  
 Work Order Name :WO-20230714-101546

INSITE - 8.6.0.116 / Datapack 8.6.00159  
 Company Name :Cummins Inc.  
 ECM Image Name :I-20230714-101611714  
 Customer Name :Customer Name\*\*

Fault Code	Status	Count	Lamp	Description	PID	SID	J1587 FMI	J1939 FMI	SPN
	Fault Parameters	First	Last	Units					
	Engine Speed Backup Sensor State	High Input Voltage	High Input Voltage						
	Engine Speed Status	Stopped	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	54.00	54.00	L/hr					
	Fuel Pump Actuator Commanded Current	1187.50	1125.00	mA					
	Fuel Pump Actuator Measured Current	0.00	0.00	mA					
	Fuel Rail Pressure Commanded	5221	5221	psi					
	Fuel Rail Pressure Measured	-7	107	psi					

Fault Snapshot

Engine Serial Number :73971136  
 Customer Unit Number :\*\*\*\*\*  
 Work Order Name :WO-20230714-101546

INSITE - 8.6.0.116 / Datapack 8.6.00159  
 Company Name :Cummins Inc.  
 ECM Image Name :I-20230714-101611714  
 Customer Name :Customer Name\*\*

Fault Code	Status	Count	Lamp	Description	PID	SID	J1587 FMI	J1939 FMI	SPN
	Fault Parameters	First	Last	Units					
	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	Idle	Rated						
	Injector Boost Supply Voltage Measured	0.0	0.0	V					
	Intake Manifold Air Temperature	35.8	12.6	°C					
	Intake Manifold Pressure	14.5	14.7	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						

Fault Snapshot

Engine Serial Number :73971136  
 Customer Unit Number :\*\*\*\*\*  
 Work Order Name :WO-20230714-101546

INSITE - 8.6.0.116 / Datapack 8.6.00159  
 Company Name :Cummins Inc.  
 ECM Image Name :I-20230714-101611714  
 Customer Name :Customer Name\*\*

Fault Code	Status	Count	Lamp	Description	PID	SID	J1587 FMI	J1939 FMI	SPN
	Fault Parameters	First	Last	Units					
	Moderately Low Oil Pressure Lamp Status	Off	Off						
	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	No Water Detected	No Water Detected						

Engine Serial Number :73971136  
 Customer Unit Number :\*\*\*\*\*  
 Work Order Name :WO-20230714-101546

Fault Snapshot

INSITE - 8.6.0.116 / Datapack 8.6.00159  
 Company Name :Cummins Inc.  
 ECM Image Name :I-20230714-101611714  
 Customer Name :Customer Name\*\*

Fault Code	Status	Count	Lamp	Description	PID	SID	J1587 FMI	J1939 FMI	SPN
	Fault Parameters	First	Last	Units					
<b>0559</b>	<b>Inactive</b>	<b>97</b>	<b>Amber</b>	<b>Injector Metering Rail 1 Pressure - Data Valid But Below Normal Operating Rang Moderately Severe Level</b>	<b>157</b>		<b>1</b>	<b>18</b>	<b>157</b>
	ECM Time (Key On Time)	000000:04:12	031117:58:43	HHHHHH:MM:SS					
	Alternate Frequency Switch	Primary	Primary						
	Barometric Air Pressure	14.7	14.6	psi					
	Battery Voltage	24.2	21.4	V					
	Calibration Software Phase	12010014	12010014						
	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	23.7	12.1	°C					
	Engine Hours	000000:30:00	032960:41:49	HHHHHH:MM:SS					
	Engine Oil Pressure	0.2	0.7	psi					

Fault Snapshot

Engine Serial Number :73971136  
 Customer Unit Number :\*\*\*\*\*  
 Work Order Name :WO-20230714-101546

INSITE - 8.6.0.116 / Datapack 8.6.00159  
 Company Name :Cummins Inc.  
 ECM Image Name :I-20230714-101611714  
 Customer Name :Customer Name\*\*

Fault Code	Status	Count	Lamp	Description	PID	SID	J1587 FMI	J1939 FMI	SPN
	Fault Parameters	First	Last	Units					
	Engine Oil Pressure Sensor Type	Analog	Analog						
	Engine Operating State	Engine Stop	Crank State						
	Engine Overspeed Lamp Status	Off	Off						
	Engine Protection Derate Suppress	Enable	Enable						
	Engine Protection Shutdown Override Switch	Off	Off						
	Engine Speed	0	541	RPM					
	Engine Speed Backup Sensor State	High Input Voltage	Valid Signal						
	Engine Speed Status	Stopped	Good						
	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					

Fault Snapshot

Engine Serial Number :73971136  
 Customer Unit Number :\*\*\*\*\*  
 Work Order Name :WO-20230714-101546

INSITE - 8.6.0.116 / Datapack 8.6.00159  
 Company Name :Cummins Inc.  
 ECM Image Name :I-20230714-101611714  
 Customer Name :Customer Name\*\*

Fault Code	Status	Count	Lamp	Description	PID	SID	J1587 FMI	J1939 FMI	SPN
	Fault Parameters	First	Last	Units					
	Frequency Adjust Voltage	0.0	0.0	V					
	Fuel Flow Rate Commanded	54.00	26.78	L/hr					
	Fuel Pump Actuator Commanded Current	1187.50	1250.00	mA					
	Fuel Pump Actuator Measured Current	1187.50	1187.50	mA					
	Fuel Rail Pressure Commanded	5221	5834	psi					
	Fuel Rail Pressure Measured	7	4764	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	24.1	68.6	V					

Fault Snapshot

Engine Serial Number :73971136  
 Customer Unit Number :\*\*\*\*\*  
 Work Order Name :WO-20230714-101546

INSITE - 8.6.0.116 / Datapack 8.6.00159  
 Company Name :Cummins Inc.  
 ECM Image Name :I-20230714-101611714  
 Customer Name :Customer Name\*\*

Fault Code	Status	Count	Lamp	Description	PID	SID	J1587 FMI	J1939 FMI	SPN
	Fault Parameters	First	Last	Units					
	Intake Manifold Air Temperature	24.3	14.1	°C					
	Intake Manifold Pressure	0.0	-0.3	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	0	45	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					



Fault Snapshot

Engine Serial Number :73971136  
 Customer Unit Number :\*\*\*\*\*  
 Work Order Name :WO-20230714-101546

INSITE - 8.6.0.116 / Datapack 8.6.00159  
 Company Name :Cummins Inc.  
 ECM Image Name :I-20230714-101611714  
 Customer Name :Customer Name\*\*

Fault Code	Status	Count	Lamp	Description	PID	SID	J1587 FMI	J1939 FMI	SPN
	Fault Parameters	First	Last	Units					
	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 :73971136  
 Customer Unit Number :\*\*\*\*\*  
 Work Order Name :WO-20230714-101546

Features and Parameters

INSITE - 8.6.0.116 / Datapack 8.6.00159  
 Company Name :Cummins Inc.  
 ECM Image Name :I-20230714-101611714  
 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	12010014	
Calibration Time/Date Stamp	082611075742	
DO Option	90378	
ECM Code	AZ90006.15	
Other Options		
SC Option	9665	
[-] Customer Information		

Engine Serial Number :73971136  
 Customer Unit Number :\*\*\*\*\*  
 Work Order Name :WO-20230714-101546

Features and Parameters

INSITE - 8.6.0.116 / Datapack 8.6.00159  
 Company Name :Cummins Inc.  
 ECM Image Name :I-20230714-101611714  
 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	37209220	
<input type="checkbox"/> Engine Information		
Engine Build Date	032016	
Engine Make	CMMNS	
Engine Model	*****	
Engine Serial Number	73971136	

Engine Serial Number :73971136  
 Customer Unit Number :\*\*\*\*\*  
 Work Order Name :WO-20230714-101546

Features and Parameters

INSITE - 8.6.0.116 / Datapack 8.6.00159  
 Company Name :Cummins Inc.  
 ECM Image Name :I-20230714-101611714  
 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	656	
<input type="checkbox"/> Fuel Code	90651	
<input type="checkbox"/> Governed Speed	0	RPM
<input type="checkbox"/> Peak Torque at RPM	1158	N*m
<input type="checkbox"/> Peak Torque RPM	1500	RPM
<input type="checkbox"/> Vehicle/OEM Information		
<input type="checkbox"/> OEM Name	G DRIVE	
<input type="checkbox"/> OEM Vehicle or Equipment Model	QSB7-G	
<input type="checkbox"/> Vehicle Identification Number or Equipment Serial Number	*****	

Engine Serial Number :73971136  
 Customer Unit Number :\*\*\*\*\*  
 Work Order Name :WO-20230714-101546

Features and Parameters

INSITE - 8.6.0.116 / Datapack 8.6.00159  
 Company Name :Cummins Inc.  
 ECM Image Name :I-20230714-101611714  
 Customer Name :Customer Name\*\*

Features and Parameters	ECM Value	Units
Vehicle or Equipment Year	*****	
<input type="checkbox"/> Adjustable Low Idle Speed	Enable	
Low Idle Speed	700	RPM
Low Idle Speed Adjustment Switch	Enable	
<input type="checkbox"/> Electrical System Voltage		
Electrical System Voltage	24V	
Engine Coolant Level Sensor	Installed	
<input type="checkbox"/> Engine Oil Pressure Sensor	Enable	
<input type="checkbox"/> Engine Protection	Enable	
Shutdown	Enable	
<input type="checkbox"/> Shutdown - Engine Coolant Level	Enable	
Shutdown Override	Disable	

Engine Serial Number :73971136  
 Customer Unit Number :\*\*\*\*\*  
 Work Order Name :WO-20230714-101546

Features and Parameters

INSITE - 8.6.0.116 / Datapack 8.6.00159  
 Company Name :Cummins Inc.  
 ECM Image Name :I-20230714-101611714  
 Customer Name :Customer Name\*\*

Features and Parameters	ECM Value	Units
Engine Coolant Level Shutdown Type	Trim	
Shutdown Manual Override	Disable	
Fault Acknowledge Switch	Disable	
Intake Air Heater	Disable	
J1939 Controls	Enable	
J1939 Service Reset	Enable	
J1939 Stop Broadcast Allowed	Enable	
J1939 Trip Reset	Enable	
Rated Overspeed Protection	Enable	
Percent Overspeed	15	percent
Rated Speed Adjust	Enable	
Frequency Adjust Offset	0.00	RPM

Engine Serial Number :73971136  
 Customer Unit Number :\*\*\*\*\*  
 Work Order Name :WO-20230714-101546

Features and Parameters

INSITE - 8.6.0.116 / Datapack 8.6.00159  
 Company Name :Cummins Inc.  
 ECM Image Name :I-20230714-101611714  
 Customer Name :Customer Name\*\*

Features and Parameters	ECM Value	Units
[-] Alternate Frequency	Enable	
Alternate Frequency Type	Switch Based	
[-] 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 Idle	

Engine Serial Number :73971136  
 Customer Unit Number :\*\*\*\*\*  
 Work Order Name :WO-20230714-101546

Features and Parameters

INSITE - 8.6.0.116 / Datapack 8.6.00159  
 Company Name :Cummins Inc.  
 ECM Image Name :I-20230714-101611714  
 Customer Name :Customer Name\*\*

Features and Parameters	ECM Value	Units
Rated to Idle Ramp Time	0	s
Service Tool Idle Rated Command	Rated	
Speed Bias	Enable	
SAE J1939 Multiplexing		
Alternate Frequency Switch	Enable	
Source Address	220 - Future Use	
Droop Adjust Switch	Enable	
Source Address	220 - Future Use	
Engine Protection Shutdown Manual Override	Enable	
Source Address	220 - Future Use	
Frequency Adjust Switch	Enable	
Source Address	220 - Future Use	



Engine Serial Number :73971136  
 Customer Unit Number :\*\*\*\*\*  
 Work Order Name :WO-20230714-101546

Features and Parameters

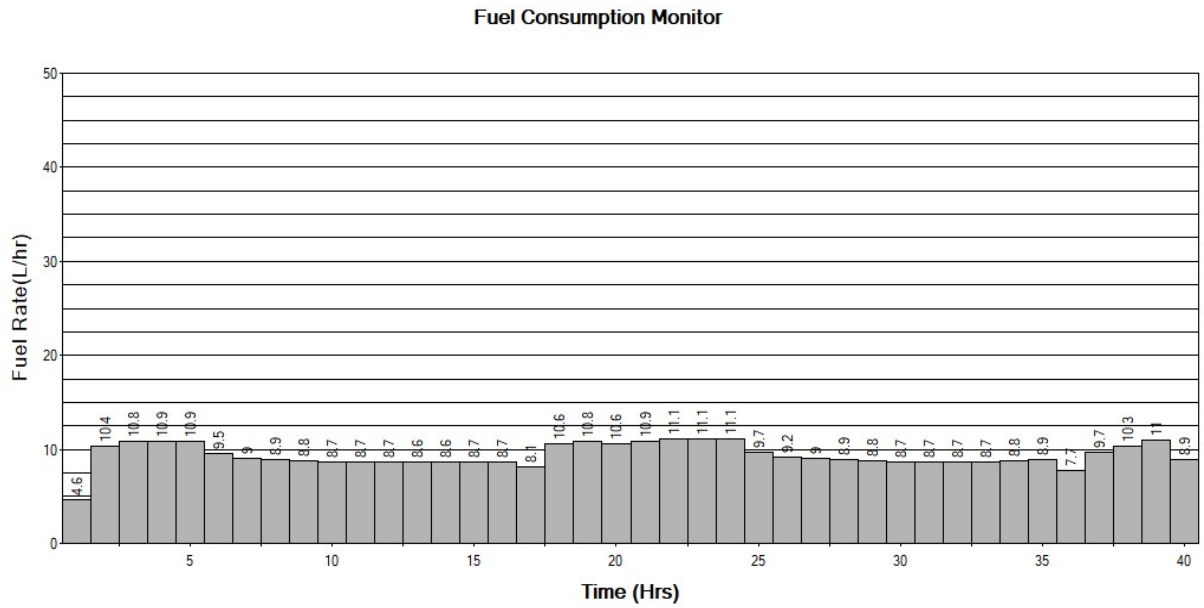
INSITE - 8.6.0.116 / Datapack 8.6.00159  
 Company Name :Cummins Inc.  
 ECM Image Name :I-20230714-101611714  
 Customer Name :Customer Name\*\*

Features and Parameters	ECM Value	Units
Gain Adjust Switch	Enable	
Source Address	220 - Future Use	
Idle Increment/ Idle Decrement Switch	Enable	
Source Address	220 - Future Use	
Idle Rated Switch	Enable	
Source Address	220 - Future Use	
Speed Bias Switch	Enable	
Source Address	220 - Future Use	
Trip Information	Enable	
ECM Time Offset	000000	HHHHHH
Engine Time Offset	000000	HHHHHH
Water In Fuel Sensor	Installed	

Engine Serial Number :73971136  
Customer Unit Number :\*\*\*\*\*  
Work Order Name :WO-20230714-101546

### Fuel Consumption Monitor

INSITE - 8.6.0.116 / Datapack 8.6.00159  
Company Name :Cummins Inc.  
ECM Image Name :I-20230714-101611714  
Customer Name :Customer Name\*\*



Fuel Consumption Monitor

Engine Serial Number :73971136  
Customer Unit Number :\*\*\*\*\*  
Work Order Name :WO-20230714-101546

INSITE - 8.6.0.116 / Datapack 8.6.00159  
Company Name :Cummins Inc.  
ECM Image Name :I-20230714-101611714  
Customer Name :Customer Name\*\*

Parameter	Value	Units
Instantaneous Fuel Rate	0.0	L/hr
Short Term Hour	31118	hrs
Long Term Fuel Rate	11.7	L/hr

Engine Serial Number :73971136  
Customer Unit Number :\*\*\*\*\*  
Work Order Name :WO-20230714-101546

Multi Level ECM Security

INSITE - 8.6.0.116 / Datapack 8.6.00159  
Company Name :Cummins Inc.  
ECM Image Name :I-20230714-101611714  
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 :73971136  
 Customer Unit Number :\*\*\*\*\*  
 Work Order Name :WO-20230714-101546

INSITE - 8.6.0.116 / Datapack 8.6.00159  
 Company Name :Cummins Inc.  
 ECM Image Name :I-20230714-101611714  
 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	000000:00:00	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	0	0	0	0	0

Engine Serial Number :73971136  
 Customer Unit Number :\*\*\*\*\*  
 Work Order Name :WO-20230714-101546

System ID and Dataplate

INSITE - 8.6.0.116 / Datapack 8.6.00159  
 Company Name :Cummins Inc.  
 ECM Image Name :I-20230714-101611714  
 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	12010014	
[-] Calibration Time/Date Stamp	082611075742	
[-] DO Option	90378	
[-] ECM Code	AZ90006.15	
[-] Other Options		
[-] SC Option	9665	
[-] Customer Information		

System ID and Dataplate

Engine Serial Number :73971136  
 Customer Unit Number :\*\*\*\*\*  
 Work Order Name :WO-20230714-101546

INSITE - 8.6.0.116 / Datapack 8.6.00159  
 Company Name :Cummins Inc.  
 ECM Image Name :I-20230714-101611714  
 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	37209220	
<input type="checkbox"/> Engine Information		
Engine Build Date	032016	
Engine Make	CMMNS	
Engine Model	*****	
Engine Serial Number	73971136	

Engine Serial Number :73971136  
 Customer Unit Number :\*\*\*\*\*  
 Work Order Name :WO-20230714-101546

System ID and Dataplate

INSITE - 8.6.0.116 / Datapack 8.6.00159  
 Company Name :Cummins Inc.  
 ECM Image Name :I-20230714-101611714  
 Customer Name :Customer Name\*\*

Features and Parameters	ECM Value	Units
[-] System Information		
Advertised Power at RPM	416	hp
Advertised Power RPM	1500	RPM
Control Parts List	656	
Fuel Code	90651	
Governed Speed	0	RPM
Peak Torque at RPM	1158	N*m
Peak Torque RPM	1500	RPM
[-] Vehicle/OEM Information		
OEM Name	G DRIVE	
OEM Vehicle or Equipment Model	QSB7-G	
Vehicle Identification Number or Equipment Serial Number	*****	



Engine Serial Number :73971136  
Customer Unit Number :\*\*\*\*\*  
Work Order Name :WO-20230714-101546

System ID and Dataplate

INSITE - 8.6.0.116 / Datapack 8.6.00159  
Company Name :Cummins Inc.  
ECM Image Name :I-20230714-101611714  
Customer Name :Customer Name\*\*

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

Engine Serial Number :73971136  
Customer Unit Number :\*\*\*\*\*  
Work Order Name :WO-20230714-101546

Technician's Note

INSITE - 8.6.0.116 / Datapack 8.6.00159  
Company Name :Cummins Inc.  
ECM Image Name :I-20230714-101611714  
Customer Name :Customer Name\*\*

Technician's Note

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Description	UONUON
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Engine Serial Number :73971136  
 Customer Unit Number :\*\*\*\*\*  
 Work Order Name :WO-20230714-101546

Trip Information

INSITE - 8.6.0.116 / Datapack 8.6.00159  
 Company Name :Cummins Inc.  
 ECM Image Name :I-20230714-101611714  
 Customer Name :Customer Name\*\*

Trip Information

Name	ECM Value	Units
[-] QSB4.5/6.7/7-DM CM850(CM2850)		
[-] CM850		
[-] All Trips (Cumulative)		
[-] Fuel Used		
Drive Fuel Used	363636.7	L
Fuel Used	363636.8	L
Idle Fuel Used	0.1	L
[-] Other		
Average Engine Load	18.5	percent
Average Engine Speed	1500	RPM
Drive Average Power	52	hp
Engine Protection Shutdown Manual Override	0	
Number Of Trip Resets	0	
[-] Time		
Drive Time	031116:28:44	HHHHHH:MM:SS
ECM Time (Key On Time)	031118:05:44	HHHHHH:MM:SS
Engine Run Time	032960:45:48	HHHHHH:MM:SS
Idle Time	000001:06:10	HHHHHH:MM:SS
[-] Trip Since Last Reset		
[-] Fuel Used		
Average Fuel Rate	11.7	L/hr
Fuel Used	363636.8	L
Idle Fuel Used	0.1	L
[-] Other		
Average Engine Load	18.5	percent
Average Engine Speed	1500	RPM

Trip Information

Engine Serial Number :73971136  
 Customer Unit Number :\*\*\*\*\*  
 Work Order Name :WO-20230714-101546

INSITE - 8.6.0.116 / Datapack 8.6.00159  
 Company Name :Cummins Inc.  
 ECM Image Name :I-20230714-101611714  
 Customer Name :Customer Name\*\*

Name	ECM Value	Units
⚡ Engine Protection Shutdown Manual Override	0	
⚡ Keyswitch Cycles	308	
⚡ Maximum Engine Speed	2155	RPM
⚡ Number of Idle Shutdown Overrides	0	
⚡ Number of Idle Shutdowns	0	
📁 <b>Time</b>		
⚡ ECM Time	031117:36:49	HHHHHH:MM:SS
⚡ Engine Protection Time Derated	000000:00:00	HHHHHH:MM:SS
⚡ Engine Run Time	031117:33:46	HHHHHH:MM:SS
⚡ Idle Time	000001:06:10	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	363636.7	L
📁 <b>Other</b>		
⚡ Drive Average Engine Speed	1500	RPM
⚡ Drive Average Load	18.5	percent
⚡ Drive Average Power	52	hp
📁 <b>Time</b>		
⚡ Drive Time	031116:28:44	HHHHHH:MM:SS