

Engine Serial Number :0
Customer Unit Number :*****
Work Order Name :WO-20230714-100645

INSITE - 8.6.0.116 / Datapack 8.6.00159
Company Name :Cummins Inc.
ECM Image Name :I-20230714-100749606
Customer Name :Customer Name**

ECM Image

WorkOrder Information

Work Order Name :	WO-20230714-100645
Customer Name :	Customer Name**
Technician's Note	200kva
Status	Good
Engine Serial Number	0
Vehicle ID	*****
Vehicle Make	GENERIC
Vehicle Unit Number	*****
Vehicle Odometer	Enter Vehicle Mileage

Image Information

Date	14-Jul-2023 10:07:49 AM
File Location	C:\Intellect\INSITE\Work Orders\I-20230714-100749606
Technician's Note	200kva
ECM	CM850
Status	Good

Engine Serial Number :0
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 Work Order Name :WO-20230714-100645

Audit Trail

INSITE - 8.6.0.116 / Datapack 8.6.00159
 Company Name :Cummins Inc.
 ECM Image Name :I-20230714-100749606
 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	INSITE	706202402901	Software	000007DEBA60	006240:23:30	Not Applicable
		027	Reset Fault Codes			
<input type="checkbox"/> 2	Manta	040A0300CEC0	Software	000000000000	000000:04:11	Not Applicable
		030	Calibration Download			
<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 :0
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 Work Order Name :WO-20230714-100645

Data Monitors

INSITE - 8.6.0.116 / Datapack 8.6.00159
 Company Name :Cummins Inc.
 ECM Image Name :I-20230714-100749606
 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	12.4	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)	023829:20:21	HHHHHH:MM:SS
Engine Coolant Level	Normal	
Engine Coolant Temperature	11.4	°C
Engine Coolant Temperature Sensor Signal Voltage	3.94	V
Engine Hours	024128:29:19	HHHHHH:MM:SS
Engine Oil Pressure	0.0	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	

Data Monitors

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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	1350.00	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	7	psi
Fuel Rail Pressure Sensor Signal Voltage	0.50	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	14.4	°C
Intake Manifold Air Temperature Sensor Signal Voltage	1.88	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	

Data Monitors

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INSITE - 8.6.0.116 / Datapack 8.6.00159
 Company Name :Cummins Inc.
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Parameter	Value	Units
Keyswitch	On	
Keyswitch Off Counts	920	
Keyswitch On Counts	780	
Low Idle Adjustment Switch	Neutral	
Maximum Ramp Time	30	s
Minimum Ramp Time	0	s
Net Engine Torque	0	N*m
OEM Auxiliary Temperature	11.4	°C
OEM Auxiliary Temperature Sensor Signal Voltage	3.94	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	-150.0	RPM
Undrooped Speed Reference	1350.00	RPM
Water In Fuel Detected Total Accumulated Time	000012:02:37	HHHHHH:MM:SS
Water In Fuel State	No Water Detected	

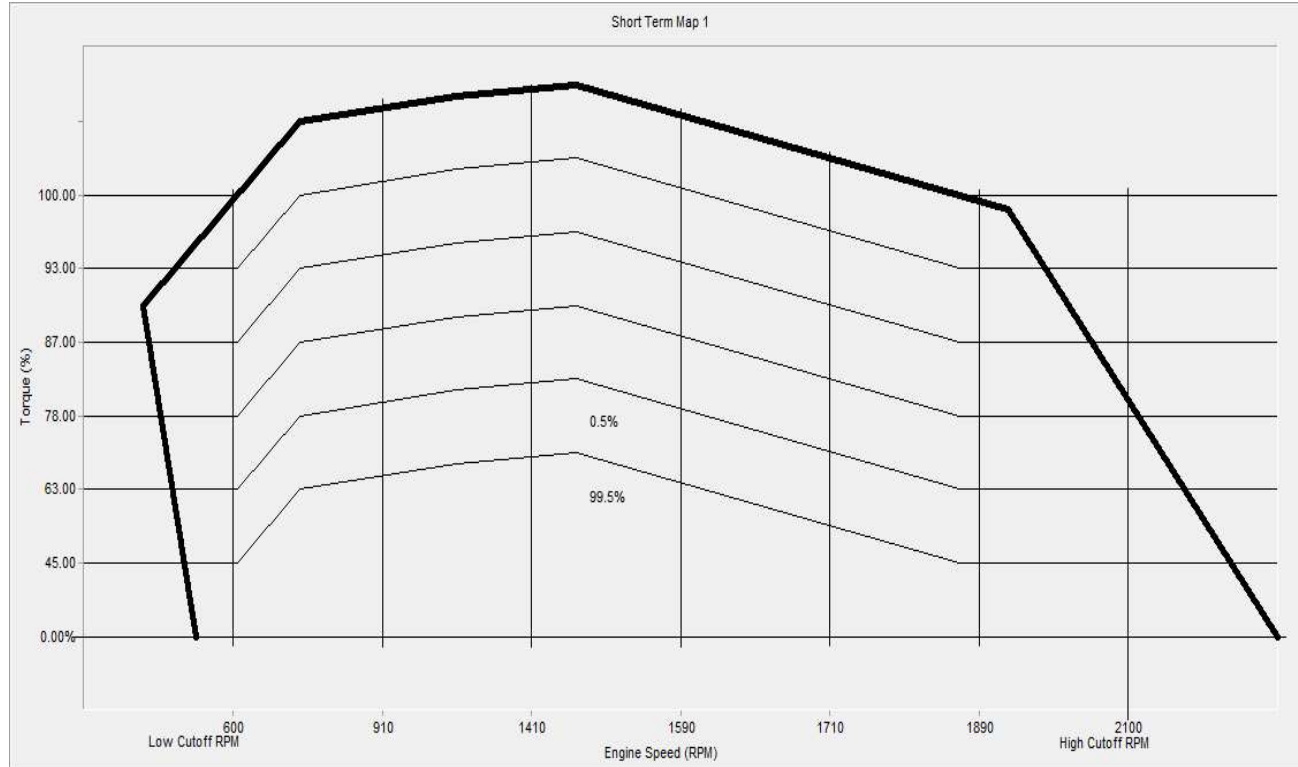
Duty Cycle Monitor

Engine Serial Number :0
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INSITE - 8.6.0.116 / Datapack 8.6.00159
Company Name :Cummins Inc.
ECM Image Name :I-20230714-100749606
Customer Name :Customer Name**

Duty Cycle Monitor

Short Term Map 1



Engine Serial Number :0
Customer Unit Number :*****
Work Order Name :WO-20230714-100645

Duty Cycle Monitor

INSITE - 8.6.0.116 / Datapack 8.6.00159
Company Name :Cummins Inc.
ECM Image Name :I-20230714-100749606
Customer Name :Customer Name**

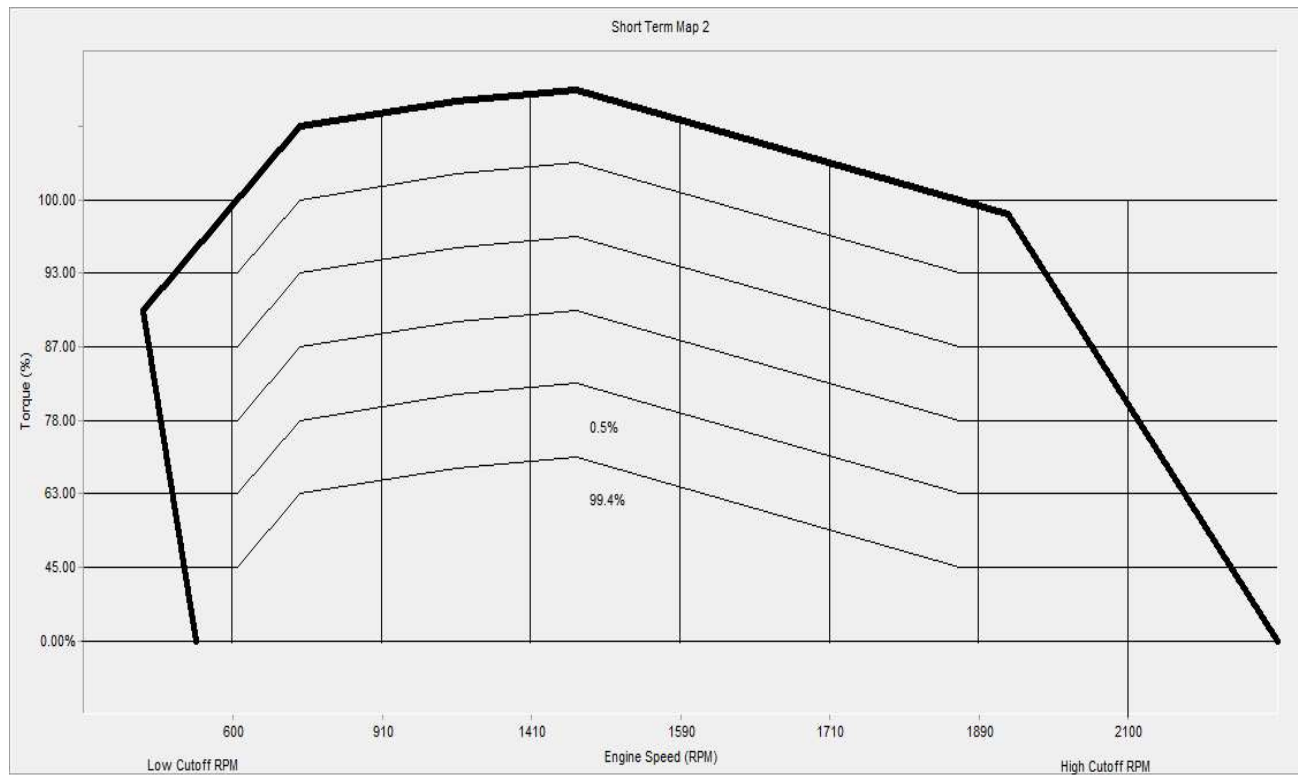
Parameter	Value	Unit
Peak Torque at RPM	2100	N*m
Peak Torque RPM	1300	RPM
Advertised Power at RPM	416	hp
Advertised Power RPM	1500	RPM
Map 1 Hours Remaining	00:00:00	HH:MM:SS
Map 1 Total Time	500:00:00	HH:MM:SS
Map 1 Start Time	23442:45:08	HH:MM:SS

Duty Cycle Monitor

Engine Serial Number :0
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Work Order Name :WO-20230714-100645

INSITE - 8.6.0.116 / Datapack 8.6.00159
Company Name :Cummins Inc.
ECM Image Name :I-20230714-100749606
Customer Name :Customer Name**

Short Term Map 2



Engine Serial Number :0
Customer Unit Number :*****
Work Order Name :WO-20230714-100645

Duty Cycle Monitor

INSITE - 8.6.0.116 / Datapack 8.6.00159
Company Name :Cummins Inc.
ECM Image Name :I-20230714-100749606
Customer Name :Customer Name**

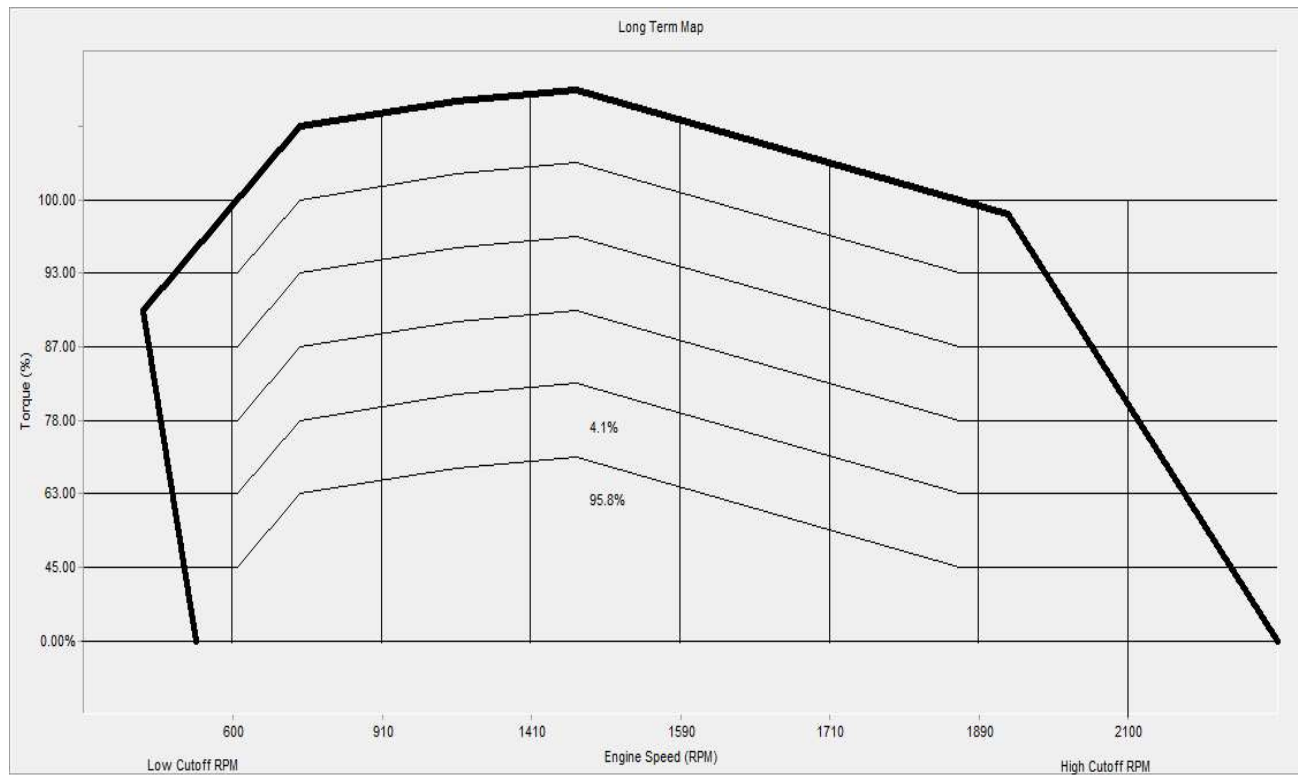
Parameter	Value	Unit
Peak Torque at RPM	2100	N*m
Peak Torque RPM	1300	RPM
Advertised Power at RPM	416	hp
Advertised Power RPM	1500	RPM
Map 2 Hours Remaining	315:17:01	HH:MM:SS
Map 2 Total Time	184:42:59	HH:MM:SS
Map 2 Start Time	23942:45:17	HH:MM:SS

Duty Cycle Monitor

Engine Serial Number :0
Customer Unit Number :*****
Work Order Name :WO-20230714-100645

INSITE - 8.6.0.116 / Datapack 8.6.00159
Company Name :Cummins Inc.
ECM Image Name :I-20230714-100749606
Customer Name :Customer Name**

Long Term Map



Engine Serial Number :0
Customer Unit Number :*****
Work Order Name :WO-20230714-100645

Duty Cycle Monitor

INSITE - 8.6.0.116 / Datapack 8.6.00159
Company Name :Cummins Inc.
ECM Image Name :I-20230714-100749606
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	23684:42:59	HH:MM:SS
Long Term Map Start Time	06:19:34	HH:MM:SS

Engine Protection

Engine Serial Number :0
 Customer Unit Number :*****
 Work Order Name :WO-20230714-100645

INSITE - 8.6.0.116 / Datapack 8.6.00159
 Company Name :Cummins Inc.
 ECM Image Name :I-20230714-100749606
 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	25.1 psi	000005:41:00	017463:10:23	Not Applicable
	143	2	26.9 psi	000000:24:53	017462:45:28	Not Applicable
	143	3	28.2 psi	000000:02:54	017462:42:32	Not Applicable
	143	4	28.0 psi	000000:07:29	017462:35:01	Not Applicable
	143	Oldest	28.6 psi	000000:00:09	017462:34:50	Not Applicable
<input type="checkbox"/> Engine Coolant Temperature - Data Valid But At Normal Operating Range - Moderately Severe Level	146	Newest	110.8 °C	000000:23:11	004935:38:02	Not Applicable
	146	2	110.8 °C	000001:00:11	004929:34:22	Not Applicable
	146	3	107.9 °C	000000:04:37	004929:29:43	Not Applicable
	146	4	107.4 °C	000000:00:04	004910:41:14	Not Applicable
	146	Oldest	107.4 °C	000000:00:17	004910:40:33	Not Applicable
Engine Coolant Temperature - Data Valid But At Normal Operating Range - Most Severe Level	151	Newest	62.7 °C	000000:00:18	000004:01:53	Not Applicable
<input type="checkbox"/> Engine Oil Rifle Pressure - Data Valid But Below Normal Operating Range - Most Severe Level	415	Newest	25.4 psi	000000:00:11	017468:51:12	Not Applicable
	415	2	26.1 psi	000000:00:06	017468:51:02	Not Applicable
	415	3	27.0 psi	000000:00:01	017468:50:59	Not Applicable
	415	4	25.9 psi	000000:00:06	017468:50:37	Not Applicable
	415	Oldest	26.5 psi	000000:00:04	017468:50:27	Not Applicable
<input type="checkbox"/> Engine Coolant Temperature - Special Instruction	1847	Newest	110.7 °C	000000:00:01	004936:00:48	Not Applicable
	1847	2	110.8 °C	000000:00:02	004936:00:47	Not Applicable

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 ECM Image Name :I-20230714-100749606
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Description	Fault Code	Occurrence	Value	Duration	ECM Time (Key On Time)	ECM Real Time
	1847	3	110.8 °C	000000:00:03	004936:00:45	Not Applicable
	1847	4	110.8 °C	000000:00:09	004930:34:08	Not Applicable
	1847	Oldest	110.8 °C	000000:00:06	004930:34:07	Not Applicable

Engine Protection Setting

Engine Serial Number :0
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INSITE - 8.6.0.116 / Datapack 8.6.00159
 Company Name :Cummins Inc.
 ECM Image Name :I-20230714-100749606
 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

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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

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 Company Name :Cummins Inc.
 ECM Image Name :I-20230714-100749606
 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

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 Company Name :Cummins Inc.
 ECM Image Name :I-20230714-100749606
 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 :0
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Fault Codes

INSITE - 8.6.0.116 / Datapack 8.6.00159
 Company Name :Cummins Inc.
 ECM Image Name :I-20230714-100749606
 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)	023829:20:21		HHHHHH:MM:SS					
	Engine Hours	024128:29:19		HHHHHH:MM:SS					
	Keyoffs	920							
<input checked="" type="checkbox"/> 0426	Inactive	4	None	J1939 Network #1 - Data Erratic, Intermittent, or Incorrect		231	2	2	639
<input checked="" type="checkbox"/> <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"/> <input checked="" type="checkbox"/> 0143	Inactive	2236	Amber	Engine Oil Rifle Pressure - Data Valid But Below Normal Operating Range - Moderately Severe Level	100		1	18	100
<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> 0415	Inactive	67	Red	Engine Oil Rifle Pressure - Data Valid But Below Normal Operating Range - Most Severe Level	100		1	1	100
<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> 0418	Inactive	29	Maintenance	Water in Fuel Indicator - Data Valid But Above Normal Operating Range - Least Severe Level	97		0	15	97

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Fault Codes

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 Company Name :Cummins Inc.
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Fault Code	Status	Count	Lamp	Description	PID	SID	J1587 FMI	J1939 FMI	SPN
	Fault Parameters	First	Last	Units					
1852	Inactive	7	Amber	Water in Fuel Indicator - Data Valid But Above Normal Operating Range - Moderately Severe Level	97		0	16	97
0146	Inactive	13	Amber	Engine Coolant Temperature - Data Valid But Above Normal Operating Range - Moderately Severe Level	110		0	16	110
1117	Inactive	4	None	Power Supply Lost With Ignition On - Data Erratic, Intermittent, or Incorrect		251	2	2	3597
0559	Inactive	59	Amber	Injector Metering Rail 1 Pressure - Data Valid But Below Normal Operating Range - Moderately Severe Level	157		1	18	157
1845	Inactive	6	Maintenance	Water in Fuel Indicator Sensor Circuit - Voltage Above Normal or Shorted to High Source	97		3	3	97

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Fault Snapshot

INSITE - 8.6.0.116 / Datapack 8.6.00159
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 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)	023829:20:21		HHHHHH:MM:SS					
	Engine Hours	024128:29:19		HHHHHH:MM:SS					
	Keyoffs	920							
<input type="checkbox"/> 0426	Inactive	4	None	J1939 Network #1 - Data Erratic, Intermittent, or Incorrect		231	2	2	639
	No fault snapshot data detected in the ECM.								
<input type="checkbox"/> <input checked="" type="radio"/> 0449	Inactive	1	Red	Injector Metering Rail 1 Pressure - Data Valid But Above Normal Operating Range - Most Severe Level	157		0	0	157
	No fault snapshot data detected in the ECM.								
<input type="checkbox"/> <input checked="" type="radio"/> 0143	Inactive	2236	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.								

Fault Snapshot

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Fault Code	Status	Count	Lamp	Description	PID	SID	J1587 FMI	J1939 FMI	SPN
	Fault Parameters	First	Last	Units					
0415	Inactive	67	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.								
0418	Inactive	29	Maintenance	Water in Fuel Indicator - Data Valid But Above Normal Operating Range - Least Severe Level	97		0	15	97
	ECM Time (Key On Time)	018761:07:27	019189:26:23	HHHHHH:MM:SS					
	Alternate Frequency Switch	Primary	Primary						
	Barometric Air Pressure	13.7	13.7	psi					
	Battery Voltage	14.0	13.0	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	83.6	86.7	°C					

Fault Snapshot

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Fault Code	Status	Count	Lamp	Description	PID	SID	J1587 FMI	J1939 FMI	SPN
	Fault Parameters	First	Last	Units					
	Engine Hours	018883:58:10	019312:14:04	HHHHHH:MM:SS					
	Engine Oil Pressure	52.2	0.3	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	1494	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					

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Fault Code	Status	Count	Lamp	Description	PID	SID	J1587 FMI	J1939 FMI	SPN
	Fault Parameters	First	Last	Units					
	Final Rated Speed Reference	1500.00	1350.00	RPM					
	Frequency Adjust	0.00	0.00	RPM					
	Frequency Adjust Voltage	0.0	0.0	V					
	Fuel Flow Rate Commanded	36.56	54.00	L/hr					
	Fuel Pump Actuator Commanded Current	1250.00	1125.00	mA					
	Fuel Pump Actuator Measured Current	1250.00	1187.50	mA					
	Fuel Rail Pressure Commanded	8429	5221	psi					
	Fuel Rail Pressure Measured	8310	165	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	Idle						

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Fault Code	Status	Count	Lamp	Description	PID	SID	J1587 FMI	J1939 FMI	SPN
	Fault Parameters	First	Last	Units					
	Injector Boost Supply Voltage Measured	50.9	56.4	V					
	Intake Manifold Air Temperature	36.7	37.8	°C					
	Intake Manifold Pressure	16.3	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	100	0	percent					
	Primary Rated Speed	1500	1500	RPM					
	Secondary Rated Speed	1800	1800	RPM					

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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	-150.0	RPM					
	Torque Curve Selected	Undefined	Undefined						
	Undrooped Speed Reference	1500.00	1350.00	RPM					
	Water In Fuel State	Water Detectec	Water Detectec						
1852	Inactive	7	Amber	Water in Fuel Indicator - Data Valid But Above Normal Operating Range - Moderately Severe Level	97		0	16	97
	ECM Time (Key On Time)	018761:07:27	019189:26:23	HHHHHH:MM:SS					
	Alternate Frequency Switch	Primary	Primary						

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 Customer Name :Customer Name**

Fault Code	Status	Count	Lamp	Description	PID	SID	J1587 FMI	J1939 FMI	SPN
	Fault Parameters	First	Last	Units					
	Barometric Air Pressure	13.7	13.7	psi					
	Battery Voltage	14.0	13.0	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	83.6	86.7	°C					
	Engine Hours	018883:58:10	019312:14:04	HHHHHH:MM:SS					
	Engine Oil Pressure	52.2	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 :0
 Customer Unit Number :*****
 Work Order Name :WO-20230714-100645

INSITE - 8.6.0.116 / Datapack 8.6.00159
 Company Name :Cummins Inc.
 ECM Image Name :I-20230714-100749606
 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	1494	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	1350.00	RPM					
	Frequency Adjust	0.00	0.00	RPM					
	Frequency Adjust Voltage	0.0	0.0	V					
	Fuel Flow Rate Commanded	36.56	54.00	L/hr					
	Fuel Pump Actuator Commanded Current	1250.00	1125.00	mA					

Fault Snapshot

Engine Serial Number :0
 Customer Unit Number :*****
 Work Order Name :WO-20230714-100645

INSITE - 8.6.0.116 / Datapack 8.6.00159
 Company Name :Cummins Inc.
 ECM Image Name :I-20230714-100749606
 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	1250.00	1187.50	mA					
	Fuel Rail Pressure Commanded	8429	5221	psi					
	Fuel Rail Pressure Measured	8310	165	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	Idle						
	Injector Boost Supply Voltage Measured	50.9	56.4	V					
	Intake Manifold Air Temperature	36.7	37.8	°C					
	Intake Manifold Pressure	16.3	0.0	psi					
	Keyswitch	On	On						
	Low Idle Adjustment Switch	Undefined	Undefined						

Fault Snapshot

Engine Serial Number :0
 Customer Unit Number :*****
 Work Order Name :WO-20230714-100645

INSITE - 8.6.0.116 / Datapack 8.6.00159
 Company Name :Cummins Inc.
 ECM Image Name :I-20230714-100749606
 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	100	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 :0
 Customer Unit Number :*****
 Work Order Name :WO-20230714-100645



INSITE - 8.6.0.116 / Datapack 8.6.00159
 Company Name :Cummins Inc.
 ECM Image Name :I-20230714-100749606
 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	-150.0	RPM					
	Torque Curve Selected	Undefined	Undefined						
	Undrooped Speed Reference	1500.00	1350.00	RPM					
	Water In Fuel State	Water Detectec	Water Detectec						
0146	Inactive	13	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.								
1117	Inactive	4	None	Power Supply Lost With Ignition On - Data Erratic, Intermittent, or Incorrect		251	2	2	3597
	No fault snapshot data detected in the ECM.								
0559	Inactive	59	Amber	Injector Metering Rail 1 Pressure - Data Valid But Below Normal Operating Range - Moderately Severe Level	157		1	18	157

Fault Snapshot

Engine Serial Number :0
 Customer Unit Number :*****
 Work Order Name :WO-20230714-100645

INSITE - 8.6.0.116 / Datapack 8.6.00159
 Company Name :Cummins Inc.
 ECM Image Name :I-20230714-100749606
 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.								
  1845	Inactive	6	Maintenance	Water in Fuel Indicator Sensor Circuit - Voltage Above Normal or Shorted to High Source	97		3	3	97
	ECM Time (Key On Time)	023178:34:50	023178:34:50	HHHHHH:MM:SS					
	Alternate Frequency Switch	Primary	Primary						
	Barometric Air Pressure	13.9	13.9	psi					
	Battery Voltage	14.0	14.0	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	62.4	62.4	°C					
	Engine Hours	023476:51:44	023476:51:44	HHHHHH:MM:SS					
	Engine Oil Pressure	68.5	68.5	psi					

Fault Snapshot

Engine Serial Number :0
 Customer Unit Number :*****
 Work Order Name :WO-20230714-100645

INSITE - 8.6.0.116 / Datapack 8.6.00159
 Company Name :Cummins Inc.
 ECM Image Name :I-20230714-100749606
 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	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	1497	1497	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					

Fault Snapshot

Engine Serial Number :0
 Customer Unit Number :*****
 Work Order Name :WO-20230714-100645

INSITE - 8.6.0.116 / Datapack 8.6.00159
 Company Name :Cummins Inc.
 ECM Image Name :I-20230714-100749606
 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	15.98	15.98	L/hr					
	Fuel Pump Actuator Commanded Current	1312.50	1312.50	mA					
	Fuel Pump Actuator Measured Current	1312.50	1312.50	mA					
	Fuel Rail Pressure Commanded	13833	13833	psi					
	Fuel Rail Pressure Measured	13831	13831	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	51.1	51.1	V					

Fault Snapshot

Engine Serial Number :0
 Customer Unit Number :*****
 Work Order Name :WO-20230714-100645

INSITE - 8.6.0.116 / Datapack 8.6.00159
 Company Name :Cummins Inc.
 ECM Image Name :I-20230714-100749606
 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	23.6	23.6	°C					
	Intake Manifold Pressure	1.1	1.1	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	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					

Fault Snapshot

Engine Serial Number :0
 Customer Unit Number :*****
 Work Order Name :WO-20230714-100645

INSITE - 8.6.0.116 / Datapack 8.6.00159
 Company Name :Cummins Inc.
 ECM Image Name :I-20230714-100749606
 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 :0
 Customer Unit Number :*****
 Work Order Name :WO-20230714-100645

Features and Parameters

INSITE - 8.6.0.116 / Datapack 8.6.00159
 Company Name :Cummins Inc.
 ECM Image Name :I-20230714-100749606
 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		

Features and Parameters

Engine Serial Number :0
 Customer Unit Number :*****
 Work Order Name :WO-20230714-100645

INSITE - 8.6.0.116 / Datapack 8.6.00159
 Company Name :Cummins Inc.
 ECM Image Name :I-20230714-100749606
 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	34209438	
<input type="checkbox"/> Engine Information		
Engine Build Date	041905	
Engine Make	CMMNS	
Engine Model	*****	
Engine Serial Number	0	

Features and Parameters

Engine Serial Number :0
 Customer Unit Number :*****
 Work Order Name :WO-20230714-100645

INSITE - 8.6.0.116 / Datapack 8.6.00159
 Company Name :Cummins Inc.
 ECM Image Name :I-20230714-100749606
 Customer Name :Customer Name**

Features and Parameters	ECM Value	Units
<input type="checkbox"/> System Information <ul style="list-style-type: none"> Advertised Power at RPM Advertised Power RPM Control Parts List Fuel Code Governed Speed Peak Torque at RPM Peak Torque RPM 	 416 1500 2605 FP91032 0 2100 1300	 hp RPM RPM N*m RPM
<input type="checkbox"/> Vehicle/OEM Information <ul style="list-style-type: none"> OEM Name OEM Vehicle or Equipment Model Vehicle Identification Number or Equipment Serial Number 	 GENERIC *****	

Features and Parameters

Engine Serial Number :0
 Customer Unit Number :*****
 Work Order Name :WO-20230714-100645

INSITE - 8.6.0.116 / Datapack 8.6.00159
 Company Name :Cummins Inc.
 ECM Image Name :I-20230714-100749606
 Customer Name :Customer Name**

Features and Parameters	ECM Value	Units
Vehicle or Equipment Year	*****	
<input type="checkbox"/> Adjustable Low Idle Speed	Enable	
<input type="checkbox"/> Low Idle Speed	700	RPM
<input type="checkbox"/> Low Idle Speed Adjustment Switch	Enable	
<input type="checkbox"/> Aftertreatment		
<input type="checkbox"/> Diesel Particulate Filter		
<input type="checkbox"/> Electrical System Voltage		
<input type="checkbox"/> Electrical System Voltage	12V	
<input type="checkbox"/> Engine Coolant Level Sensor	Installed	
<input type="checkbox"/> Engine Oil Pressure Sensor	Enable	
<input type="checkbox"/> Engine Protection	Enable	
<input type="checkbox"/> Shutdown	Enable	

Engine Serial Number :0
 Customer Unit Number :*****
 Work Order Name :WO-20230714-100645

Features and Parameters

INSITE - 8.6.0.116 / Datapack 8.6.00159
 Company Name :Cummins Inc.
 ECM Image Name :I-20230714-100749606
 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	

Features and Parameters

Engine Serial Number :0
 Customer Unit Number :*****
 Work Order Name :WO-20230714-100645

INSITE - 8.6.0.116 / Datapack 8.6.00159
 Company Name :Cummins Inc.
 ECM Image Name :I-20230714-100749606
 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	

Features and Parameters

Engine Serial Number :0
 Customer Unit Number :*****
 Work Order Name :WO-20230714-100645

INSITE - 8.6.0.116 / Datapack 8.6.00159
 Company Name :Cummins Inc.
 ECM Image Name :I-20230714-100749606
 Customer Name :Customer Name**

Features and Parameters	ECM Value	Units
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	
[-] Gain Adjust Switch	Enable	
Source Address	220 - Future Use	

Engine Serial Number :0
 Customer Unit Number :*****
 Work Order Name :WO-20230714-100645

Features and Parameters

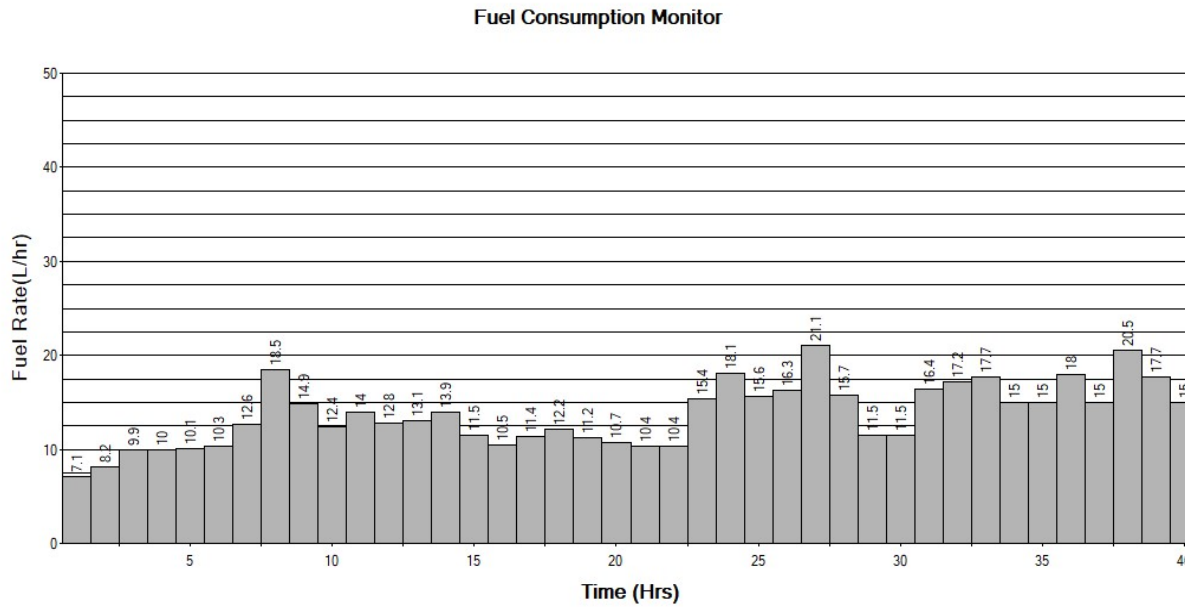
INSITE - 8.6.0.116 / Datapack 8.6.00159
 Company Name :Cummins Inc.
 ECM Image Name :I-20230714-100749606
 Customer Name :Customer Name**

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 :0
Customer Unit Number :*****
Work Order Name :WO-20230714-100645

Fuel Consumption Monitor

INSITE - 8.6.0.116 / Datapack 8.6.00159
Company Name :Cummins Inc.
ECM Image Name :I-20230714-100749606
Customer Name :Customer Name**



Fuel Consumption Monitor

Engine Serial Number :0
Customer Unit Number :*****
Work Order Name :WO-20230714-100645

INSITE - 8.6.0.116 / Datapack 8.6.00159
Company Name :Cummins Inc.
ECM Image Name :I-20230714-100749606
Customer Name :Customer Name**

Parameter	Value	Units
Instantaneous Fuel Rate	0.0	L/hr
Short Term Hour	23686	hrs
Long Term Fuel Rate	21.7	L/hr

Engine Serial Number :0
Customer Unit Number :*****
Work Order Name :WO-20230714-100645

Multi Level ECM Security

INSITE - 8.6.0.116 / Datapack 8.6.00159
Company Name :Cummins Inc.
ECM Image Name :I-20230714-100749606
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 :0
 Customer Unit Number :*****
 Work Order Name :WO-20230714-100645

INSITE - 8.6.0.116 / Datapack 8.6.00159
 Company Name :Cummins Inc.
 ECM Image Name :I-20230714-100749606
 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	000004:03:31	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	1506	0	0	0	0

Engine Serial Number :0
 Customer Unit Number :*****
 Work Order Name :WO-20230714-100645

System ID and Dataplate

INSITE - 8.6.0.116 / Datapack 8.6.00159
 Company Name :Cummins Inc.
 ECM Image Name :I-20230714-100749606
 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 :0
 Customer Unit Number :*****
 Work Order Name :WO-20230714-100645

INSITE - 8.6.0.116 / Datapack 8.6.00159
 Company Name :Cummins Inc.
 ECM Image Name :I-20230714-100749606
 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	34209438	
<input type="checkbox"/> Engine Information		
Engine Build Date	041905	
Engine Make	CMMNS	
Engine Model	*****	
Engine Serial Number	0	

System ID and Dataplate

Engine Serial Number :0
 Customer Unit Number :*****
 Work Order Name :WO-20230714-100645

INSITE - 8.6.0.116 / Datapack 8.6.00159
 Company Name :Cummins Inc.
 ECM Image Name :I-20230714-100749606
 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	2605	
Fuel Code	FP91032	
Governed Speed	0	RPM
Peak Torque at RPM	2100	N*m
Peak Torque RPM	1300	RPM
[-] Vehicle/OEM Information		
OEM Name	GENERIC	
OEM Vehicle or Equipment Model		
Vehicle Identification Number or Equipment Serial Number	*****	

System ID and Dataplate

Engine Serial Number :0
Customer Unit Number :*****
Work Order Name :WO-20230714-100645

INSITE - 8.6.0.116 / Datapack 8.6.00159
Company Name :Cummins Inc.
ECM Image Name :I-20230714-100749606
Customer Name :Customer Name**

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

Engine Serial Number :0
Customer Unit Number :*****
Work Order Name :WO-20230714-100645

Technician's Note

INSITE - 8.6.0.116 / Datapack 8.6.00159
Company Name :Cummins Inc.
ECM Image Name :I-20230714-100749606
Customer Name :Customer Name**

Technician's Note

Description	200kva200kva
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Trip Information

Engine Serial Number :0
 Customer Unit Number :*****
 Work Order Name :WO-20230714-100645

INSITE - 8.6.0.116 / Datapack 8.6.00159
 Company Name :Cummins Inc.
 ECM Image Name :I-20230714-100749606
 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	514358.2	L
Fuel Used	514364.4	L
Idle Fuel Used	6.2	L
[-] Other		
Average Engine Load	63.5	percent
Average Engine Speed	1500	RPM
Drive Average Power	98	hp
Engine Protection Shutdown Manual Override	0	
Number Of Trip Resets	0	
[-] Time		
Drive Time	023682:43:57	HHHHHH:MM:SS
ECM Time (Key On Time)	023829:20:21	HHHHHH:MM:SS
Engine Run Time	024128:29:19	HHHHHH:MM:SS
Idle Time	000002:58:55	HHHHHH:MM:SS
[-] Trip Since Last Reset		
[-] Fuel Used		
Average Fuel Rate	21.7	L/hr
Fuel Used	514364.4	L
Idle Fuel Used	6.2	L
[-] Other		
Average Engine Load	63.5	percent
Average Engine Speed	1500	RPM

Trip Information

Engine Serial Number :0
 Customer Unit Number :*****
 Work Order Name :WO-20230714-100645

INSITE - 8.6.0.116 / Datapack 8.6.00159
 Company Name :Cummins Inc.
 ECM Image Name :I-20230714-100749606
 Customer Name :Customer Name**

Name	ECM Value	Units
⚡ Engine Protection Shutdown Manual Override	0	
⚡ Keyswitch Cycles	896	
⚡ Maximum Engine Speed	1698	RPM
⚡ Number of Idle Shutdown Overrides	0	
⚡ Number of Idle Shutdowns	0	
📁 Time		
⚡ ECM Time	023823:57:12	HHHHHH:MM:SS
⚡ Engine Protection Time Derated	000000:00:00	HHHHHH:MM:SS
⚡ Engine Run Time	023685:39:54	HHHHHH:MM:SS
⚡ Idle Time	000002:58:55	HHHHHH:MM:SS
⚡ Percent Trip Time At Idle	0.0	percent
📁 Trip Since Last Reset Drive (Vehicle Speed > 0)		
📁 Fuel Used		
⚡ Drive Fuel Used	514358.2	L
📁 Other		
⚡ Drive Average Engine Speed	1500	RPM
⚡ Drive Average Load	63.5	percent
⚡ Drive Average Power	98	hp
📁 Time		
⚡ Drive Time	023682:43:57	HHHHHH:MM:SS