

# DIAGNOSTIC REPORT

VIN: 3HAEHTAT6LL298288

Model Year: 2020

Manufacturer: International

COMPONENT	FAULT CODES	18 TOTAL / 2 ACTIVE / 16 INACTIVE
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## ENGINE #1 - J1939

### ACTIVE FAULT CODES (0)

Vehicle Make: Cummins

None

ECM Serial Number: 74550143

ECM Model: 6L u17D0890000000

VIN: 3HAEHTAT6LL298288

### INACTIVE FAULT CODES (2)

Fault Description: ECL SPN 111

FMI Description: Data Valid but below Normal Operating Range - FMI: 18

Moderately Severe Level

Count: 20

Fault Description: ECU Power Output Supply Voltage #1 SPN 3597

FMI Description: Data Erratic, Intermittent or Incorrect FMI: 2

Count: 56

## BRAKES - SYSTEM

### ACTIVE FAULT CODES (0)

Vehicle Make: N/A

None

ECM Serial Number: N/A

ECM Model: N/A

VIN: N/A

### INACTIVE FAULT CODES (4)

Fault Description: Undefined SPN 639

FMI Description: Bad Intelligent Device or Component FMI: 12

Count: 1

Fault Description: Undefined SPN 639

FMI Description: Data Erratic, Intermittent or Incorrect FMI: 2

Count: N/A

Fault Description: Wheel Sensor ABS Axle 1 Left SPN 789

FMI Description: Data Valid but below Normal Operational Range - FMI: 1

Most Severe Level

Count: 1

Fault Description: Wheel Sensor ABS Axle 1 Right SPN 790

FMI Description: Data Valid but below Normal Operational Range - FMI: 1

Most Severe Level

Count: 2

## TRANSMISSION #1 - J1939

### ACTIVE FAULT CODES (0)

Vehicle Make: N/A

None

ECM Serial Number: N/A

ECM Model: N/A

VIN: N/A

### INACTIVE FAULT CODES (0)

None

## UNKNOWN/RESERVED (SA

### ACTIVE FAULT CODES (0)

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ECM Serial Number: None

ECM Model: **INACTIVE FAULT CODES (0)**

None

**SHIFT CONSOLE - PRIMARY - ACTIVE FAULT CODES (0)**

ECM Serial Number: None

ECM Model: **INACTIVE FAULT CODES (3)**

Fault Description: Undefined SPN 2000  
FMI Description: Abnormal Update Rate FMI: 9  
Count: 5

Fault Description: Undefined SPN 2003  
FMI Description: Abnormal Update Rate FMI: 9  
Count: 1

Fault Description: Undefined SPN 2033  
FMI Description: Abnormal Update Rate FMI: 9  
Count: 2

**COMMUNICATIONS UNIT, ACTIVE FAULT CODES (0)**

ECM Serial Number: None

ECM Model: **INACTIVE FAULT CODES (0)**

None

**OFF BOARD DIAGNOSTIC- ACTIVE FAULT CODES (0)**

ECM Serial Number: None

ECM Model: **INACTIVE FAULT CODES (0)**

None

**RETARDER, EXHAUST, ACTIVE FAULT CODES (0)**

ECM Serial Number: None

ECM Model: **INACTIVE FAULT CODES (0)**

None

**COMMUNICATIONS UNIT, ACTIVE FAULT CODES (0)**

ECM Serial Number: None

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ECM Model:	<b>INACTIVE FAULT CODES (0)</b>
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None

<b>INSTRUMENT CLUSTER #1 -</b>	<b>ACTIVE FAULT CODES (0)</b>
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ECM Serial Number: None

ECM Model:	<b>INACTIVE FAULT CODES (0)</b>
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None

<b>LIGHTING - OPERATOR</b>	<b>ACTIVE FAULT CODES (0)</b>
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ECM Serial Number: None

ECM Model:	<b>INACTIVE FAULT CODES (2)</b>
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Fault Description: Undefined	SPN 516102
FMI Description: Root Cause not Known	FMI: 11
Count: 1	

Fault Description: Undefined	SPN 516103
FMI Description: Root Cause not Known	FMI: 11
Count: 1	

<b>BODY CONTROLLER - J1939</b>	<b>ACTIVE FAULT CODES (2)</b>
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ECM Serial Number:	Fault Description: Undefined	SPN 520897
ECM Model:	FMI Description: Out of CAL	FMI: 13
	Count: 1	

Fault Description: Undefined	SPN 516525
FMI Description: Out of CAL	FMI: 13
Count: 1	

<b>INACTIVE FAULT CODES (5)</b>
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Fault Description: Undefined	SPN 66860
FMI Description: Data Valid but above Normal Operational Range - Most Severe Level	FMI: 0
Count: 11	

Fault Description: Undefined	SPN 878
FMI Description: Current above Normal or Grounded Circuit	FMI: 6
Count: 1	

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## COMPONENT FAULT CODES 18 TOTAL / 2 ACTIVE / 16 INACTIVE

Fault Description: Undefined SPN 6396  
FMI Description: Data Valid but above Normal Operational Range - FMI: 0  
Most Severe Level  
Count: 5

Fault Description: Undefined SPN 520814  
FMI Description: Current below Normal or Open Circuit FMI: 5  
Count: 126

Fault Description: Undefined SPN 2055  
FMI Description: Abnormal Update Rate FMI: 9  
Count: 1

## UNKNOWN/RESERVED (SA) ACTIVE FAULT CODES (0)

ECM Serial Number: None

ECM Model:

## INACTIVE FAULT CODES (0)

None

## PASSENGER-OPERATOR ACTIVE FAULT CODES (0)

ECM Serial Number: None

ECM Model:

## INACTIVE FAULT CODES (0)

None

## PARAMETERS

### ENGINE #1 - J1939

Rated Horsepower	350 BHP	Engine Rated RPM	Not Available
MIL Status	Off	Fuel Level	Not Available
Battery Voltage	12.15 V	Ignition Voltage	Not Available
Engine RPM	0 RPM	Vehicle Speed	0 mph
Throttle Position	0 %	Brake Switch	N/A
Clutch Switch	N/A	Engine Operating State	Engine Stopped
Engine Intake Air Temperature	Not Available	Engine Intake Air Pressure	Not Available
Barometric Pressure	14.58 psi	Coolant Level	100 %
Coolant Temperature	167.0 °F	Oil Level	Not Available
Oil Temperature	Not Available	Oil Pressure	0.0 psi
DPF Status	Regen not Needed	Regen Status	N/A
DPF Active Regen Inhibited Status	Inhibited	DPF Active Regen Inhibited Due to Inhibit Switch	Not Inhibited
DPF Regen Inhibit Switch	N/A	DPF Regen Force Switch	N/A
Exhaust Temperature 1	267.6 °F	Exhaust Temperature 2	Not Available
Exhaust Temperature 3	Not Available	DPF Intake Temperature	254.3 °F

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## ENGINE #1 - J1939

DPF Outlet Temperature	293.0 °F	DPF Differential Pressure	0 psi
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## BRAKES - SYSTEM CONTROLLER - J1939

Battery Voltage	N/A	Ignition Voltage	N/A
Vehicle Speed	N/A	Brake Switch	N/A
Primary Pressure	N/A	Secondary Pressure	N/A

## TRANSMISSION #1 - J1939

Battery Voltage	N/A	Ignition Voltage	N/A
Input Shaft Speed	0 RPM	Output Shaft Speed	0 RPM
Oil Level	Not Available	Oil Life Remaining	N/A
Oil Temperature	186.8 °F	Service Indicator	N/A
Range Selected	N/A	Range Attained	N/A

## LIFE DATA

### ENGINE #1 - J1939

Distance	28676.57 mi	Hours	2337.00 hr
Fuel Used	7224.6 gal	Average Fuel Economy	N/A
Engine Idle Hours	1122.00 hr	Engine Idle Fuel Used	992.8 gal
PTO Hours	102.60 hr	PTO Fuel Used	161.4 gal
DPF Number of Inhibited Active Regen	Not Available	DPF Number of Manual Active Regen	Not Available
DPF Fuel Used	25.8 gal		

## TRIP DATA

### ENGINE #1 - J1939

Distance	28678.05 mi	Fuel Used	7196.3 gal
Average Fuel Rate	3.08 gal/hr	Idle Time	N/A
Vehicle Idle Fuel Used	992.8 gal	Cruise	N/A
Cruise Fuel Used	773.2 gal	DPF Active Regen Time	N/A
DPF Number of Active Regens	N/A	DPF Used	N/A
Vehicle Speed Limit	65 mph	Cruise Control Speed Limit	65 mph