

**rb** **RITCHIE BROS.** Diagnostic Report  
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## 2021 Freightliner Cascadia

### Test Information

<b>Engine</b>	Detroit Diesel DD15 (14.8)
<b>Engine Serial</b>	DTDSC*472N16*472910S0756941*373045
<b>VIN</b>	<a href="#">3AKJHLDR8MSMJ3132</a>
<b>Driveline</b>	Class 8 6x4
<b>Body</b>	Truck-Tractor MDHD: Conventional
<b>Test Time</b>	March 23, 2026, 2:55 p.m.
<b>File Length</b>	20.062 s
<b>Test Time</b>	March 13, 2026, 3:38 p.m.
<b>File Length</b>	51.9831 s

### Usage

Label	Value	Units
Engine Odometer	558,595	mi
Odometer (Instrument Cluster #1)	558,724	mi
Engine Total Hours of Operation	19,538.15	h
Aftertreatment 1 Diesel Particulate Filter Soot Load Percent	162	%

### Engine On/Off

Engine running

### Check Engine Light

No check engine lights on

### Emissions Deleted/Tampered

No

## Faults

<u>DM</u>	<u>Controller Name</u>	<u>SPN Name</u>	<u>FMI Name</u>	<u>Count</u>
Previous	Engine #2	Manufacturer Assignable SPN	Condition Exists	2
Previous	Engine #2	Key Switch Battery Potential	Erratic, Intermittent, or Incorrect	1
Previous	Engine #2	Battery Potential / Power Input	Low-most severe	1
Previous	Engine #2	Engine Intake Manifold 1 Temperature (High Resolution)	Abnormal Rate of Change	2
Previous	Engine #2	Manufacturer Assignable SPN	Condition Exists	2
Previous	Engine #2	Engine Fuel Actuator 1	Voltage Below Normal	1
Previous	Engine #2	Engine Intake Manifold 1 Temperature (High Resolution)	Abnormal Rate of Change	2
Previous	Engine #2	Battery Potential / Power Input	Low-most severe	1
Previous	Engine #2	Key Switch Battery Potential	Erratic, Intermittent, or Incorrect	1
Previous	Engine #2	Ambient Air Temperature	Voltage Above Normal	2
Previous	Engine #2	Engine Fuel Actuator 1	Voltage Below Normal	1
Previous	Engine #2	Manufacturer Assignable SPN	Condition Exists	2
Previous	Engine #2	Manufacturer Assignable SPN	Condition Exists	2
Previous	Engine #2	Ambient Air Temperature	Voltage Above Normal	2
Previous	Exhaust Emission Controller	Aftertreatment 1 Diesel Exhaust Fluid Pump Drive Percentage	Current Below Normal	2
Previous	Exhaust Emission Controller	Battery Potential / Power Input	Low-most severe	1
Previous	Exhaust Emission Controller	Aftertreatment 1 Diesel Exhaust Fluid Pump 1 Motor Speed	Voltage Below Normal	1
Previous	Exhaust Emission Controller	Aftertreatment 1 Diesel Exhaust Fluid Pump Drive Percentage	Current Below Normal	2
Previous	Exhaust Emission Controller	Aftertreatment 1 Diesel Exhaust Fluid Pump 1 Motor Speed	Voltage Below Normal	1
Previous	Exhaust Emission Controller	Battery Potential / Power Input	Low-most severe	1
Emissions Previous	Engine #2	Engine Intake Manifold 1 Temperature (High Resolution)	Abnormal Rate of Change	2
Emissions Previous	Engine #2	Engine Intake Manifold 1 Temperature (High Resolution)	Abnormal Rate of Change	2
Emissions Previous	Engine #2	Ambient Air Temperature	Voltage Above Normal	2
Emissions Previous	Engine #2	Engine Fuel Actuator 1	Voltage Below Normal	1
Emissions Previous	Engine #2	Engine Fuel Actuator 1	Voltage Below Normal	1
Emissions Previous	Engine #2	Ambient Air Temperature	Voltage Above Normal	2
Emissions Previous	Exhaust Emission Controller	Aftertreatment 1 Diesel Exhaust Fluid Pump 1 Motor Speed	Voltage Below Normal	1
Emissions Previous	Exhaust Emission Controller	Aftertreatment 1 Diesel Exhaust Fluid Pump Drive Percentage	Current Below Normal	2
Emissions Previous	Exhaust Emission Controller	Aftertreatment 1 Diesel Exhaust Fluid Pump Drive Percentage	Current Below Normal	2
Emissions Previous	Exhaust Emission Controller	Aftertreatment 1 Diesel Exhaust Fluid Pump 1 Motor Speed	Voltage Below Normal	1