RITCHIE BROS. Auctioneers Diagnostic Report

2019 Freightliner Cascadia

Test Information

Engine	Detroit Diesel DD13 (12.8)
Engine Serial	DTDSC*471N16*471928S0607261
VIN	1FUJHPDV9KLJX7779
Driveline	Class 8 6x4
Body	Truck-Tractor MDHD: Conventional
Test Time	May 6, 2026, 8:39 a.m.
File Length	21.47 s
Test Time	May 6, 2026, 8:36 a.m.
File Length	24.785 s
Test Time	May 6, 2026, 8:35 a.m.
File Length	20.383 s
Test Time	May 5, 2026, 11:30 a.m.
File Length	44.204 s

Usage

Label	Value	Units
Engine Odometer	718,255	mi
Engine Total Hours of Operation	17,552.4	h
Aftertreatment 1 Diesel Particulate Filter Soot Load Percent	12	%

Engine On/Off

Engine running

Check Engine Light

MIL - Emissions malfunction

Amber Warning Lamp - Warning, but OK to drive

Red Stop Lamp - Stop vehicle

Emissions Deleted/Tampered

No

Faults

DM	Controller Name	SPN Name	FMI Name	Count
Active	Off Vehicle Gateway	Manufacturer Assignable SPN	Condition Exists	13
Active	Off Vehicle Gateway	Manufacturer Assignable SPN	Condition Exists	14
Active	Off Vehicle Gateway	Manufacturer Assignable SPN	Condition Exists	14
Active	Off Vehicle Gateway	Manufacturer Assignable SPN	Condition Exists	14
Active	Tire Pressure Controller	Tire Location	Failure	127
Active	Tire Pressure Controller	Tire Pressure	Low-moderate severity	127
Active	Tire Pressure Controller	Tire Pressure	Low-moderate severity	127
Active	Tire Pressure Controller	Tire Temperature	High-moderate severity	127
Active	Tire Pressure Controller	Tire Location	Failure	127
Active	Tire Pressure Controller	Tire Pressure	Low-moderate severity	127
Active	Tire Pressure Controller	Tire Temperature	High-moderate severity	127
Active	Tire Pressure Controller	Tire Temperature	High-moderate severity	127
Active	Tire Pressure Controller	Tire Location	Failure	127
Active	Tire Pressure Controller	Tire Temperature	High-moderate severity	127
Active	Tire Pressure Controller	Tire Pressure	Low-moderate severity	127
Active	Tire Pressure Controller	Tire Location	Failure	127
Active	Exhaust Emission Controller	Manufacturer Assignable SPN	High-moderate severity	1
Active	Exhaust Emission Controller	Aftertreatment 1 SCR Conversion Efficiency	Low-least severe	1
Active	Exhaust Emission Controller	Manufacturer Assignable SPN	High-moderate severity	1
Active	Exhaust Emission Controller	Manufacturer Assignable SPN	High-moderate severity	1
Active	Exhaust Emission Controller	Aftertreatment 1 SCR Conversion Efficiency	Low-least severe	1
Active	Exhaust Emission Controller	Manufacturer Assignable SPN	High-moderate severity	1
Active	Exhaust Emission Controller	Aftertreatment 1 SCR Conversion Efficiency	Low-least severe	1
Active	Exhaust Emission Controller	Aftertreatment 1 SCR Conversion Efficiency	Low-least severe	1
Previous	Engine #2	Manufacturer Assignable SPN	Condition Exists	1
Previous	Engine #2	Manufacturer Assignable SPN	Condition Exists	13
Previous	Engine #2	Manufacturer Assignable SPN	Condition Exists	1
Previous	Engine #2	Manufacturer Assignable SPN	Condition Exists	1
Previous	Engine #2	Manufacturer Assignable SPN	Condition Exists	13
Previous	Engine #2	Manufacturer Assignable SPN	Condition Exists	1
Previous	Engine #2	Manufacturer Assignable SPN	Condition Exists	1
Previous	Engine #2	Manufacturer Assignable SPN	Condition Exists	13
Previous	Engine #2	Manufacturer Assignable SPN	Condition Exists	1
Previous	Engine #2	Manufacturer Assignable SPN	Condition Exists	1
Previous	Engine #2	Manufacturer Assignable SPN	Condition Exists	13
Previous	Engine #2	Manufacturer Assignable SPN	Condition Exists	1
Previous	Exhaust Emission Controller	Manufacturer Assignable SPN	Special Instruction	1
Previous	Exhaust Emission Controller	Manufacturer Assignable SPN	Special Instruction	1
Previous	Exhaust Emission Controller	Manufacturer Assignable SPN	Special Instruction	1
Previous	Exhaust Emission Controller	Manufacturer Assignable SPN	Special Instruction	1
Emissions Active	Exhaust Emission Controller	Aftertreatment 1 SCR Conversion Efficiency	Low-least severe	1
Emissions Active	Exhaust Emission Controller	Manufacturer Assignable SPN	High-moderate severity	1
Emissions Active	Exhaust Emission Controller	Manufacturer Assignable SPN	High-moderate severity	1
Emissions Active	Exhaust Emission Controller	Aftertreatment 1 SCR Conversion Efficiency	Low-least severe	1
Emissions Active	Exhaust Emission Controller	Aftertreatment 1 SCR Conversion Efficiency	Low-least severe	1
Emissions Active	Exhaust Emission Controller	Manufacturer Assignable SPN	High-moderate severity	1
Emissions Active	Exhaust Emission Controller	Manufacturer Assignable SPN	High-moderate severity	1
Emissions Active	Exhaust Emission Controller	Aftertreatment 1 SCR Conversion Efficiency	Low-least severe	1
Permanent	Exhaust Emission Controller	Manufacturer Assignable SPN	High-moderate severity	1
Permanent	Exhaust Emission Controller	Aftertreatment 1 Outlet NOx 1	Data Drifted High	12
Permanent	Exhaust Emission Controller	Aftertreatment 1 SCR Conversion Efficiency	Low-least severe	1
Permanent	Exhaust Emission Controller	Manufacturer Assignable SPN	High-moderate severity	1
Permanent	Exhaust Emission Controller	Aftertreatment 1 Outlet NOx 1	Data Drifted High	12
Permanent	Exhaust Emission Controller	Aftertreatment 1 SCR Conversion Efficiency	Low-least severe	1
Permanent	Exhaust Emission Controller	Aftertreatment 1 SCR Conversion Efficiency	Low-least severe	1
Permanent	Exhaust Emission Controller	Aftertreatment 1 Outlet NOx 1	Data Drifted High	12

Permanent	Exhaust Emission Controller	Manufacturer Assignable SPN	High-moderate severity	1
Permanent	Exhaust Emission Controller	Manufacturer Assignable SPN	High-moderate severity	1
Permanent	Exhaust Emission Controller	Aftertreatment 1 Outlet NOx 1	Data Drifted High	12
Permanent	Exhaust Emission Controller	Aftertreatment 1 SCR Conversion Efficiency	Low-least severe	1