

rb RITCHIE BROS. Auctioneers **Diagnostic Report**

2016 Freightliner SD122

Test Information

Engine	Detroit Diesel DD13 (12.8)
Engine Serial	DTDSC*471N13*S0338181
VIN	3AKJGNDV1GDGT7494
Driveline	Class 8 6x4
Body	Truck-Tractor MDHD: Conventional
Test Time	May 22, 2025, 11:51 a.m.
File Length	45.889 s
Test Time	May 16, 2022, 3:32 p.m.
File Length	99.494 s

Usage

Label	Value	Units
Engine Odometer	688,518	mi
Odometer (Instrument Cluster #1)	776,060	mi
Engine Total Hours of Operation	21,276.15	h
Aftertreatment 1 Diesel Particulate Filter Soot Load Percent	74	%

Engine On/Off

Engine running

Check Engine Light

● MIL - Emissions malfunction

▼ Amber Warning Lamp - Warning, but OK to drive

Emissions Deleted/Tampered

No

Faults

DM	Controller Name	SPN Name	FMI Name	Count
Active	Exhaust Emission Controller	Aftertreatment 1 Diesel Exhaust Fluid Tank Quality	Erratic, Intermittent, or Incorrect	1
Active	Exhaust Emission Controller	Aftertreatment 1 SCR Conversion Efficiency	Low-moderate severity	1
Active	Exhaust Emission Controller	Aftertreatment SCR Operator Inducement Severity	High-least severe	1
Previous	Engine #1	Accelerator Pedal Position 1	Abnormal Frequency, Pulse Width, or Period	1
Previous	Engine #1	Engine Coolant Level 1	Low-most severe	11
Previous	Engine #1	Engine Retarder Selection	Abnormal Update Rate	5
Previous	Engine #1	Source Address 11	Abnormal Update Rate	5
Previous	Engine #1	Cruise Control States	Abnormal Update Rate	1
Previous	Engine #1	Source Address 23	Abnormal Update Rate	1
Previous	Engine #1	Accelerator Pedal #1 Channel 2	Abnormal Frequency, Pulse Width, or Period	1
Previous	Engine #2	Battery Potential / Power Input	Low-most severe	3
Previous	Engine #2	J1939 Network #2	Abnormal Update Rate	2
Previous	Engine #2	Engine Cylinder 5 Misfire Rate	Condition Exists	3
Previous	Engine #2	Engine Crankcase Breather Oil Separator Speed	Low-most severe	1
Previous	Engine #2	Engine Starter Motor Relay	Erratic, Intermittent, or Incorrect	2
Previous	Brakes - System Controller	Power Supply (Obsolete)	Voltage Above Normal	2
Previous	Exhaust Emission Controller	Aftertreatment 1 Diesel Exhaust Fluid Tank Volume	Condition Exists	1
Previous	Exhaust Emission Controller	Aftertreatment 1 Diesel Particulate Filter Soot Load Percent	Condition Exists	1
Emissions Pending	Exhaust Emission Controller	Aftertreatment 1 SCR Conversion Efficiency	Low-most severe	1
Emissions Active	Engine #2	Engine Cylinder 5 Misfire Rate	Condition Exists	3
Emissions Active	Exhaust Emission Controller	Aftertreatment 1 SCR Conversion Efficiency	Low-moderate severity	1
Emissions Active	Exhaust Emission Controller	Aftertreatment 1 Diesel Exhaust Fluid Tank Quality	Erratic, Intermittent, or Incorrect	1
Emissions Previous	Engine #2	Engine Crankcase Breather Oil Separator Speed	Low-most severe	1
Emissions Previous	Engine #2	J1939 Network #2	Abnormal Update Rate	2
Permanent	Engine #2	Engine Cylinder 5 Misfire Rate	Condition Exists	3
Permanent	Exhaust Emission Controller	Aftertreatment 1 SCR Conversion Efficiency	Low-moderate severity	1
Permanent	Exhaust Emission Controller	Aftertreatment 1 Diesel Exhaust Fluid Tank Quality	Erratic, Intermittent, or Incorrect	1