

rb RITCHIE BROS. Diagnostic Report
Auctioneers™**2021 Western Star 4900****Test Information**

Engine	Detroit Diesel DD15 (14.8)
Engine Serial	DTDSC*472N16*472910S0777318*MN8446
VIN	5KJJAEDR5MPMN8446
Driveline	Class 8 6x4
Body	Truck-Tractor
Test Time	Aug. 5, 2026, 11:47 a.m.
File Length	44.659 s

Usage

Label	Value	Units
Engine Odometer	554,584	mi
Engine Total Hours of Operation	13,943.3	h
Aftertreatment 1 Diesel Particulate Filter Soot Load Percent	49	%

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	Engine #2	Engine Coolant System Thermostat 1	Not Responding Properly	1
Active	Engine #2	Ambient Air Temperature	Voltage Above Normal	6
Active	Exhaust Emission Controller	Aftertreatment 1 Diesel Particulate Filter Ash Load Percent	High-least severe	1
Active	Exhaust Emission Controller	Aftertreatment 1 Outlet NOx 1	Abnormal Rate of Change	126
Active	Exhaust Emission Controller	Aftertreatment 1 SCR Conversion Efficiency	Low-least severe	3
Active	Exhaust Emission Controller	Manufacturer Assignable SPN	Data Drifted High	9
Active	Exhaust Emission Controller	Aftertreatment 1 Diesel Exhaust Fluid Tank Heater	High-most severe	126
Active	Exhaust Emission Controller	Manufacturer Assignable SPN	High-moderate severity	1
Active	Exhaust Emission Controller	Aftertreatment 1 Exhaust Dew Point	Erratic, Intermittent, or Incorrect	1
Active	Exhaust Emission Controller	Manufacturer Assignable SPN	Current Below Normal	1
Active	Exhaust Emission Controller	Aftertreatment 1 Intake Gas Sensor 1 Heater Control	Not Responding Properly	1
Active	Exhaust Emission Controller	Manufacturer Assignable SPN	Current Below Normal	1
Previous	Engine #1	Engine Coolant Level 1	Low-most severe	26
Previous	Engine #1	Battery Potential / Power Input	Low-moderate severity	4
Previous	Engine #2	Engine Starter Motor Relay	Failure	23
Previous	Engine #2	Ambient Air Temperature	Data Error	1
Previous	Engine #2	Battery Potential / Power Input	Low-most severe	1
Previous	Exhaust Emission Controller	Aftertreatment 1 Diesel Exhaust Fluid Tank Volume	Condition Exists	1
Previous	Exhaust Emission Controller	Aftertreatment 1 Diesel Particulate Filter Intake Pressure	Failure	19
Previous	Exhaust Emission Controller	Aftertreatment Diesel Particulate Filter System	Low-moderate severity	24
Previous	Exhaust Emission Controller	Aftertreatment 1 Diesel Particulate Filter Differential Pressure	Data Drifted Low	7
Emissions Pending	Engine #2	Aftertreatment 1 SCR Intake NOx 1	Data Drifted High	2
Emissions Pending	Exhaust Emission Controller	Aftertreatment 1 Outlet NOx 1	Data Drifted High	1
Emissions Active	Engine #2	Engine Coolant System Thermostat 1	Not Responding Properly	1
Emissions Active	Engine #2	Ambient Air Temperature	Voltage Above Normal	6
Emissions Active	Exhaust Emission Controller	Manufacturer Assignable SPN	Current Below Normal	1
Emissions Active	Exhaust Emission Controller	Aftertreatment 1 Intake Gas Sensor 1 Heater Control	Not Responding Properly	1
Emissions Active	Exhaust Emission Controller	Manufacturer Assignable SPN	Current Below Normal	1
Emissions Active	Exhaust Emission Controller	Aftertreatment 1 Exhaust Dew Point	Erratic, Intermittent, or Incorrect	1
Emissions Active	Exhaust Emission Controller	Manufacturer Assignable SPN	High-moderate severity	1
Emissions Active	Exhaust Emission Controller	Aftertreatment 1 Diesel Exhaust Fluid Tank Heater	High-most severe	126
Emissions Active	Exhaust Emission Controller	Aftertreatment 1 Outlet NOx 1	Abnormal Rate of Change	126
Emissions Active	Exhaust Emission Controller	Manufacturer Assignable SPN	Data Drifted High	9
Emissions Active	Exhaust Emission Controller	Aftertreatment 1 SCR Conversion Efficiency	Low-least severe	3
Emissions Previous	Engine #2	Ambient Air Temperature	Data Error	1
Emissions Previous	Exhaust Emission Controller	Aftertreatment 1 Diesel Particulate Filter Differential Pressure	Data Drifted Low	7
Emissions Previous	Exhaust Emission Controller	Aftertreatment Diesel Particulate Filter System	Low-moderate severity	24
Emissions Previous	Exhaust Emission Controller	Aftertreatment 1 Diesel Particulate Filter Intake Pressure	Failure	19
Permanent	Engine #2	Ambient Air Temperature	Voltage Above Normal	6
Permanent	Engine #2	Engine Coolant System Thermostat 1	Not Responding Properly	1
Permanent	Exhaust Emission Controller	Aftertreatment 1 Intake Gas Sensor 1 Heater Control	Not Responding Properly	1
Permanent	Exhaust Emission Controller	Manufacturer Assignable SPN	Current Below Normal	1
Permanent	Exhaust Emission Controller	Aftertreatment 1 Exhaust Dew Point	Erratic, Intermittent, or Incorrect	1
Permanent	Exhaust Emission Controller	Manufacturer Assignable SPN	High-moderate severity	1
Permanent	Exhaust Emission Controller	Aftertreatment 1 Diesel Exhaust Fluid Tank Heater	High-most severe	126
Permanent	Exhaust Emission Controller	Aftertreatment 1 Outlet NOx 1	Abnormal Rate of Change	126
Permanent	Exhaust Emission Controller	Manufacturer Assignable SPN	Data Drifted High	9
Permanent	Exhaust Emission Controller	Aftertreatment 1 SCR Conversion Efficiency	Low-least severe	3
Permanent	Exhaust Emission Controller	Manufacturer Assignable SPN	Current Below Normal	1