

rb RITCHIE BROS. Diagnostic Report
Auctioneers®**2020 Western Star 4700****Test Information**

Engine	Detroit Diesel DD13 (12.8)
Engine Serial	DTDSC*471N16*471928S0664710
VIN	5KKHAXDV4LLKV7839
Driveline	Class 8 6x4
Body	Truck MDHD: Conventional
Test Time	Jan. 29, 2026, 10:04 a.m.
File Length	46.538 s

Usage

Label	Value	Units
Engine Odometer	185,306	mi
Engine Total Hours of Operation	9,037.6	h
Aftertreatment 1 Diesel Particulate Filter Soot Load Percent	82	%

Engine On/Off

Engine running

Check Engine Light

- MIL - Emissions malfunction

Emissions Deleted/Tampered

No

Faults

DM	Controller Name	SPN Name	FMI Name	Count
Active	Exhaust Emission Controller	Aftertreatment 1 SCR Conversion Efficiency	Low-least severe	2
Active	Exhaust Emission Controller	Manufacturer Assignable SPN	High-moderate severity	2
Active	Exhaust Emission Controller	Aftertreatment 1 SCR Intake Temperature	Condition Exists	2
Active	Exhaust Emission Controller	Aftertreatment 1 SCR Intake NOx 1	Abnormal Rate of Change	68
Previous	Engine #2	Engine Intake Manifold 1 Temperature (High Resolution)	Voltage Above Normal	1
Previous	Brakes - System Controller	Wheel Sensor ABS Axle 2 Right	Abnormal Frequency, Pulse Width, or Period	1
Emissions Active	Exhaust Emission Controller	Manufacturer Assignable SPN	High-moderate severity	2
Emissions Active	Exhaust Emission Controller	Aftertreatment 1 SCR Conversion Efficiency	Low-least severe	2
Emissions Active	Exhaust Emission Controller	Aftertreatment 1 SCR Intake NOx 1	Abnormal Rate of Change	68
Emissions Active	Exhaust Emission Controller	Aftertreatment 1 SCR Intake Temperature	Condition Exists	2
Emissions Previous	Engine #2	Engine Intake Manifold 1 Temperature (High Resolution)	Voltage Above Normal	1
Permanent	Exhaust Emission Controller	Manufacturer Assignable SPN	Data Drifted High	4
Permanent	Exhaust Emission Controller	Aftertreatment 1 SCR Intake Temperature	Condition Exists	2
Permanent	Exhaust Emission Controller	Aftertreatment 1 SCR Intake NOx 1	Data Drifted High	1
Permanent	Exhaust Emission Controller	Aftertreatment 1 Outlet NOx 1	Data Drifted High	1
Permanent	Exhaust Emission Controller	Aftertreatment 1 SCR Conversion Efficiency	Low-least severe	2
Permanent	Exhaust Emission Controller	Manufacturer Assignable SPN	High-moderate severity	2