RITCHIE BROS. Auctioneers Diagnostic Report

2019 Western Star EX

Test Information

Engine	Cummins X15 (15.0)
Engine Serial	CMMNS*6X1u17D1500000000*80049514*0000000000
VIN	5KJJABFGXKPKH3425
Driveline	Class 8 6x4
Body	Truck-Tractor MDHD: Conventional
Test Time	Aug. 8, 2025, 9:55 a.m.
File Length	42.794 s

Usage

Label	Value	Units
Engine Odometer	792,783	mi
Engine Total Hours of Operation	18,682.75	h
Aftertreatment 1 Diesel Particulate Filter Soot Load Percent	39	%

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	Engine #1	Aftertreatment 1 Particulate Sensor Heater Low Side Driver Preliminary FMI	Voltage Below Normal	1
Active	Engine #1	Aftertreatment 1 Particulate Sensor	Voltage Below Normal	1
Active	Engine #1	Aftertreatment 1 Particulate Sensor Temperature	Voltage Above Normal	1
Previous	Engine #1	Aftertreatment 1 Diesel Particulate Filter Differential Pressure	High-moderate severity	1
Previous	Engine #1	Fuel Level 1	Abnormal Update Rate	1
Previous	Engine #1	Manufacturer Assignable SPN	Voltage Below Normal	1
Emissions Active	Engine #1	Aftertreatment 1 Particulate Sensor Temperature	Voltage Above Normal	1
Emissions Active	Engine #1	Aftertreatment 1 Particulate Sensor	Voltage Below Normal	1
Emissions Active	Engine #1	Aftertreatment 1 Particulate Sensor Heater Low Side Driver Preliminary FMI	Voltage Below Normal	1
Emissions Previous	Engine #1	ECU Power Output Supply Voltage #1	Erratic, Intermittent, or Incorrect	2
Emissions Previous	Engine #1	Manufacturer Assignable SPN	Voltage Below Normal	1
Permanent	Engine #1	Aftertreatment 1 Particulate Sensor Heater Low Side Driver Preliminary FMI	Voltage Below Normal	1
Permanent	Engine #1	Aftertreatment 1 Particulate Sensor	Voltage Below Normal	1
Permanent	Engine #1	Aftertreatment 1 Particulate Sensor Temperature	Voltage Above Normal	1