

rb RITCHIE BROS. Diagnostic Report
Auctioneers®

2021 Freightliner 106 Medium Duty

Test Information	
Engine	Detroit Diesel DD8 (7.7)
Engine Serial	DTDSC*936N16*936917S0010409
VIN	3ALHCYD24MDMM0910
Driveline	Class 8 6x4
Body	Truck MDHD: Conventional
Test Time	March 19, 2026, 9:47 a.m.
File Length	16.647 s

Usage			
Label	Value	Units	
Engine Odometer	256,791	mi	
Odometer (Instrument Cluster #1)	256,791	mi	
Engine Total Hours of Operation	7,089.35	h	
Aftertreatment 1 Diesel Particulate Filter Soot Load Percent	250	%	

Engine On/Off
Engine running

Check Engine Light
<ul style="list-style-type: none"> ● MIL - Emissions malfunction ▼ Amber Warning Lamp - Warning, but OK to drive ● Red Stop Lamp - Stop vehicle

Emissions Deleted/Tampered
No

Faults

<u>DM</u>	<u>Controller Name</u>	<u>SPN Name</u>	<u>FMI Name</u>	<u>Count</u>
Active	Engine #2	Manufacturer Assignable SPN	Condition Exists	1
Active	Engine #2	Manufacturer Assignable SPN	Condition Exists	1
Active	Engine #2	Manufacturer Assignable SPN	Condition Exists	7
Active	Body Controller	Manufacturer Assignable SPN	Not Responding Properly	1
Active	Exhaust Emission Controller	Aftertreatment 1 Diesel Exhaust Fluid Tank Heater	High-most severe	5
Active	Exhaust Emission Controller	Aftertreatment 1 Diesel Exhaust Fluid Pump 1 Motor Speed	High-most severe	1
Active	Exhaust Emission Controller	Aftertreatment 1 Outlet NOx Sensor 1 Self-diagnosis Status	Data Drifted High	2
Active	Exhaust Emission Controller	Manufacturer Assignable SPN	High-moderate severity	1
Previous	Engine #1	Battery Potential / Power Input	Low-moderate severity	4
Previous	Engine #1	Aftertreatment Regeneration Force Switch	Special Instruction	1
Previous	Engine #2	Engine Exhaust Gas Recirculation 1 Valve Position	Failure	3
Previous	Engine #2	Actual Retarder - Percent Torque	Low-moderate severity	3
Previous	Engine #2	Engine Starter Motor Relay	Failure	1
Previous	Engine #2	Battery Potential / Power Input	Low-most severe	1
Previous	Transmission #1	Battery Potential / Power Input	Voltage Below Normal	2
Previous	Brakes - System Controller	Relay Diagonal 2	Current Above Normal	1
Previous	Brakes - System Controller	Power Supply (Obsolete)	Voltage Above Normal	14
Previous	Exhaust Emission Controller	Battery Potential / Power Input	High-most severe	1
Previous	Exhaust Emission Controller	Manufacturer Assignable SPN	High-moderate severity	1
Previous	Exhaust Emission Controller	Aftertreatment 1 SCR Conversion Efficiency	Low-least severe	3
Previous	Exhaust Emission Controller	Manufacturer Assignable SPN	Data Drifted High	2
Emissions Active	Exhaust Emission Controller	Aftertreatment 1 Diesel Exhaust Fluid Pump 1 Motor Speed	High-most severe	1
Emissions Active	Exhaust Emission Controller	Manufacturer Assignable SPN	High-moderate severity	1
Emissions Active	Exhaust Emission Controller	Aftertreatment 1 Outlet NOx Sensor 1 Self-diagnosis Status	Data Drifted High	2
Emissions Active	Exhaust Emission Controller	Aftertreatment 1 Diesel Exhaust Fluid Tank Heater	High-most severe	5
Emissions Previous	Exhaust Emission Controller	Manufacturer Assignable SPN	Data Drifted High	2
Emissions Previous	Exhaust Emission Controller	Aftertreatment 1 SCR Conversion Efficiency	Low-least severe	3
Permanent	Engine #2	Engine Coolant System Thermostat 1	Not Responding Properly	4
Permanent	Exhaust Emission Controller	Aftertreatment 1 Diesel Exhaust Fluid Tank Heater	High-most severe	5
Permanent	Exhaust Emission Controller	Aftertreatment 1 Outlet NOx Sensor 1 Self-diagnosis Status	Data Drifted High	2
Permanent	Exhaust Emission Controller	Manufacturer Assignable SPN	High-moderate severity	1
Permanent	Exhaust Emission Controller	Aftertreatment 1 Diesel Exhaust Fluid Pump 1 Motor Speed	High-most severe	1