



Canton Township Fire
210 38th St SE
Canton, Ohio, 44707
US
330-484-6165

Inspection Submission #49609492



Rosenbauer
VIN/SN: 4S7BT2D946C053939
Sold • firetruck • CTFD

NFPA Annual Inspection - Engine v4

Submitted	User	Start Date	Duration
Mon, Mar 25, 2024 09:49	Jeff Yerian	Mon, Mar 18, 2024 08:18	7 days

Inspection Items

Inspection Date Started	2024-03-19
Mileage	✓ 99056.0
Engine Hours	✓ 6782.8
Pump Hours	✓ 1510.0
Chassis Inspection	
Engine Oil level & Condition	✓ Acceptable visually, checked
Oil Leaks	✓ Acceptable, Class 1 (weep) - Damp-up but never dripped
Coolant Level	✓ Pass
Coolant protection level	✓ Pass -30f
Fuel System for leaks	✓ Pass
Fuel System plumbing condition	✓ Pass
Power Steering Fluid Level	✓ Pass
Power Steering Pump and Plumbing condition	✓ Pass
Coolant Hose condition and leaks	✓ Pass Checked all clamps that were accessible to make sure they were tight with socket
Alternator mounting	✓ Pass
Alternator connections	✓ Pass
Charging system output volts - Unloaded <small>charging volts in comments</small>	✓ Pass 13.9v
Charging system output volts - Loaded <small>charging volts in comments</small>	✓ Pass 13.3v

Auxiliary cooler connections - leaks and condition	✓ Pass
Battery condition and hold downs	✓ Pass
Battery cables and clamps clean - tight	✓ Pass
Battery fluid level	✓ Pass
Battery Terminal voltage	✓ 12.66
Chassis Grounds and connections	✓ Pass
Starter Motor cable condition	✓ Pass
Starter Motor Operation Use OTC starting test results	✓ Pass
Fan mounting bolts and adjustment	✓ Pass
Fan Shroud Clearance and condition	✓ Pass
Fan Clutch operation	✓ Pass
Air Filter Element Condition	✓ Pass
Air Intake Tubes and Hoses	✓ Pass
All Belts Condition and Adjustment(tension)	✓ Pass
After-cooler or Intercooler tubes and hoses	✓ Pass
Engine Mount condition	✓ Pass
Radiator Cap Pressure testing	✓ Pass
Comments on Engine, cooling, or other during inspection not listed above	Engine oil leaks @ front cover, oil pan & dipstick tube. All are seeping, no drops or pooling. Ok for current time.
Chassis and Components	
Fluid Levels - Lubricate chassis	✓ Lubrication not needed at this time, done on previous service
Fluid Levels - all fluids checked engine coolant, engine oil, transmission oil level, Power steering Fluid, cab lift hydraulic pump fluid, Front axle hub oil,	✓ All checked and in proper operating ranges
Steering - Linkage & tie rods	✓ Pass
Steering - Box mounting	✓ Pass
Steering - plumbing condition and leaks	✓ Pass
Transmission - fluid level	✓ Pass
Transmission - mounting condition	✓ Pass

Transmission - Plumbing condition and leaks	✓ Pass
Transmission - lockup system	✓ Pass
Fuel - Tank and plumbing condition & leaks	✓ Pass
Fuel - Tank Mounting	✓ Pass
Tires and Wheels - Condition	✓ Pass Minor cuts and scrapes on tires from "curbing"
Tires and Wheels - wheel nut torque	✓ Pass
Tires and Wheels - Pressure - Front Left check for correct pressure - tire and/or Mfg. Spec.	✓ Low - Inflated to Correct Pressure, no leaks 120 inflated to 130
Tires and Wheels - Tread Depth - Front Left Enter tread depth in comments	✓ 8/32" or Greater 21/32
Tires And Wheels - Manufacturers Date Code -Front Left 4 digit code	✓ 4620.0
Tires and Wheels - Pressure - Front right check for correct pressure - tire and/or Mfg. Spec.	✓ Low - Inflated to Correct Pressure, no leaks 125 inflated to 130
Tires and Wheels - Tread Depth - Front Right Enter tread depth in comments	✓ 8/32" or Greater 21/32
Tires And Wheels - Manufacturers Date Code -Front Right 4 digit code	✓ 4620.0
Tires and Wheels - Pressure - Rear Left Inner check for correct pressure - tire and/or Mfg. Spec.	✓ Correct Pressure 120
Tires and Wheels - Tread Depth - Rear Left Inner Enter tread depth in comments	✓ 8/32" or Greater 23/32
Tires And Wheels - Manufacturers Date Code -Rear Left Inner 4 digit code	✓ 2121.0
Tires and Wheels - Pressure - Rear Left Outer check for correct pressure - tire and/or Mfg. Spec.	✓ Low - Inflated to Correct Pressure, no leaks 116 inflated to 120
Tires and Wheels - Tread Depth - Rear Left Outer Enter tread depth in comments	✓ 8/32" or Greater 23/32
Tires And Wheels - Manufacturers Date Code -Rear Left Outer 4 digit code	✓ 2121.0


Tires and Wheels - Pressure - Rear Right Inner <small>check for correct pressure - tire and/or Mfg. Spec.</small>	✓ Correct Pressure 120
Tires and Wheels - Tread Depth - Rear Right Inner <small>Enter tread depth in comments</small>	✓ 8/32" or Greater 23/32
Tires And Wheels - Manufacturers Date Code -Rear Right Inner <small>4 digit code</small>	✓ 2121.0
Tires and Wheels - Pressure - Rear Right Outer <small>check for correct pressure - tire and/or Mfg. Spec.</small>	✓ Correct Pressure 120
Tires and Wheels - Tread Depth - Rear Right Outer <small>Enter tread depth in comments</small>	✓ 8/32" or Greater 23/32
Tires And Wheels - Manufacturers Date Code -Rear Right Outer <small>4 digit code</small>	✓ 2121.0
Driveline - UJoints & Yokes	✓ Pass
Driveline - Carrier bearings	✓ Pass
Driveline - Differential oil level and leaks	✓ Pass
Front Axle - spring and shock condition <small>springs, shocks, u-bolts</small>	✓ Pass
Front Axle - wheel bearings & king pins	✓ Pass
Rear Axle - spring/u-bolt condition	✓ Pass
Rear Axle - axle flanges for leaks and tightness	✓ Pass
Rear Axle - Frame rails and cross members	✓ Pass Frame rails showing signs of rust jacking. Most noticeable @ midship pump area. No concerns at this time but will note again in future inspections and services if it becomes worse.
Exhaust System & Muffler <small>Check for condition, Mounting, Leaks</small>	✓ Pass Minor leaks beyond rear of cab. Cleaned and tightened clamps
Comments on Chassis & Components Inspected	Found right front hub chrome trim ring missing when truck arrived. No previous mention or reported issues of it missing.
Brakes	
Front Left Pad thickness, caliper mounting, Airlines	✓ Pass 12mm @ thinnest point
Front Right Pad thickness, caliper mounting, Airline	✓ Pass 12mm @ thinnest point Stroke within limits

Rear Left Condition and mounting of shoe lining, drums Slack Adjusters	✓ Pass 20mm Stroke within limits
Rear Right Condition and mounting of shoe lining, drums Slack Adjusters	✓ Pass 20mm pad Stroke within limits
Left Rear - Rear brake Adjustment and Operation <small>record measurements in comments</small>	✓ Pass 20mm lining Stroke within limits
Right Rear - Rear brake Adjustment and Operation <small>record measurements in comments</small>	✓ Pass 20mm lining Stroke within limits
Air Brake Valves and Tanks <small>check mounting, condition, and leaking</small>	✓ Pass
Lubricate brake pedal pivot pin	✓ Performed
Drain Air Tanks and check Air Dryer	✓ Performed
All Air Lines and Chambers <small>check mounting, condition, cracks, rubbing, leaks</small>	✓ Pass
Air brake leaks and buildup	✓ Pass
In Cab Air Brake System Device Inspection	
Low Pressure Warning Indicator <small>Operation of an Audible and Visual Alarm</small>	✓ Pass
ABS Dash Light or Lights <small>Operation of ABS Warning Dash Lights</small>	✓ Pass
Air Dryer <small>Purge Cycle</small>	✓ Pass
Compressor <small>Compressor Build-Up Time, enter in comments</small>	✓ Pass 12.08 seconds
Dash Air Gauges -Supply <small>Supply System Leakage, enter loss in comments</small>	✓ Pass 0
Dash Air Gauges - Service <small>Service System Leakage, enter loss in comments</small>	✓ Pass 0
Paring Brake Operation	✓ Pass
Comments on Brakes & Components Inspected	Shoes, drums, slack adjusters, and chambers have been replaced in last 6 months. All hardware checked for tightness
CAB & BODY	
Cab Mounting & Tilt Mechanism	✓ Pass
Cab Frame & Sheet Metal	✓ Pass
Cab tilt motor/pump <small>mounting, fluid level & Voltage drop</small>	✓ Pass

Door Mounting & Latches check all hardware for tightness	✓ Pass
Cab Glass Condition	✓ Pass
Seat Belt Condition, Mounting & Operation	✓ Pass
Steering Wheel Alignment and Mounting	✓ Pass
Horn Operation Both electric "city" horn and Air Horn	✓ Pass City horn n/a Air horn -ok
Heater, A/C, & Defrost Operation check front and rear units, also filter condition	✓ Pass Windshield mounted fans ok
Throttle Controls	✓ Pass
Window Operation	✓ Pass
Automatic Shift Controls	✓ Pass
Windshield Wipers and Washers check for function and fluid level	✓ Pass
Mirrors Condition, Mounting & Operation	✓ Pass
Compartment Door Latches	✓ Pass
Compartment Door Hinges	✓ Pass
Compartment Body Condition	✓ Pass
Step and Auxiliary Equipment Condition check main steps, folding steps, Hand rails for mounting and function	✓ Pass
Comments on Cab, Body glass and other inspected items	None
Cab and Body Electrical	
Headlights and High Beams	✓ Pass
Marker and Clearance Lights	✓ Pass
Tail and Stop Lights	✓ Pass
Turn signals and Hazard Lights	✓ Pass
Backup Lights	✓ Pass
Compartment & Interior Lights	✓ Pass
Scene Lights, front, rear, and Side	✓ Pass
Light Bar - front	✓ Pass

Warning Lights - Front facing	✓ Pass
Warning Lights - Sides	✓ Pass
Warning Light - Rear	✓ Pass
Siren Operation electronic - wail/yelp	✓ Pass Eq2b and electronic siren ok
Siren Mechanical, mounting, function, siren brake, and voltage drop	✓ Pass No mechanical siren on this unit
Line Voltage	
Shore line Charging check for operation of charger and also 120v outlets supplied by shore power	✓ Pass
Road and Operational Test	
Engine Oil Pressure - Idle	✓ 40.0
Engine Oil Pressure - At Speed	✓ 60.0
Engine Coolant Temperature	✓ 170.0
Tachometer Operation	✓ Pass
Automatic Transmission Shifting	✓ Pass
Brake Operation check for smooth operation, pulling, grabbing, pulsating	✓ Pass
Driveline Vibration	✓ Pass
Air Compressor Operation governor settings	✓ Pass
Speedometer Operation	✓ Pass
Steering Shimmy, shake, noises, or other	✓ Pass
Clutch Fan Operation	✓ Pass
Comments on Road Test	No notable noises, vibrations, shakes or shimmy
Pump and Water Tank Inspection	
Pump Shift and indicator lights "ok to pump" and "pump engaged" lights function as they should	✓ Pass
Automatic Transmission Lockup System	✓ Pass
Pump Transmission shift cylinders or motor	✓ Pass

Pump Transmission Pump Oil level and condition	✓ Pass
Pump Panel Tachometer and engine gauges	✓ Pass Voltage & engine water temp inoperable
Pump Panel electrical switches and panel light pump engaged light, pump panel lights, pump heater, other switches operable	✓ Pass
Master gauges for accuracy and operation must be accurate within +/- 10psi	✓ Pass
Discharge Gauge accuracy and operation must be accurate within +/- 10psi	✓ Pass
Water Tank Level Indicator	✓ Pass
Pump Operation	✓ Pass
Pump Plumbing	✓ Pass
Pressure control device operation and response time	✓ Pass
Intake Relief Valve	✓ Pass
Primer Operation	✓ Pass
Dry Vacuum Test Use comments to record initial vacuum reading and enter loss in #'s field.	✓ 3.0
Pump Packing drip rate should be 0-60 per minute	✓ Pass
Discharge and Intake valves for operation	✓ Pass
Valves, Linkage, Remote Rods, and Pivot Points	✓ Pass
Drain Valves	✓ Pass
Tank-to-Pump & Tank Fill Valves	✓ Pass
Auxiliary Cooler	✓ Pass
Suction Strainer	✓ Pass
Preconnected Valves & Plumbing	✓ Pass
Deck gun Valve & Plumbing	✓ Pass
Water Tank Mounting And Integrity	✓ Pass
Anodes in Tank & Pump	✓ Pass Anodes only in intake screens

Pump Mounting	✓ Pass
Pump Driveline U-joints, yokes, & flanges	✓ Pass
Comments on Pump and Tank Inspection	None
Inspected/Tested By	
Date Completed	2024-03-21
Comments and Remarks	None