

MANUFACTURERS RECORD OF CONSTRUCTION DETAILS
Vehicle manufactured in The United States of America

DATE: May, 2019

Owner: SAUBLE ELK EDEN TOWNSHIP FIRE RESCUE Address: IRONS, MI

Manufacturer: Pierce Manufacturing, Inc. Model: FXP - TANKER Job # 33077TR / 24385351

NFPA Apparatus Classification: MOBILE WATER SUPPLY FIRE APPARATUS

Engine Make: CUMMINS Model: ISB Serial #: 74437357

No. Cylinders: 6 Bore: 4.21 Compression Ratio: 17.3:1 Stroke: 4.88 Displ.: 409 in3 / 6.7L

Rated Horsepower: 360 @ 2600 rpm Fuel Type: DIESEL No Load Governed RPM: 2600

System Voltage: 12 volts Alternator Output: 275 amps

Battery: Single or Dual: SINGLE Capacity: 2250 (2 x 1125) CCA

Battery Make: ALLIANCE Battery Model: A66-11336-004

Fuel Tank Capacity: 50 gals DEF Tank Capacity: 6.0 gals Type of Feed: FUEL INJECTOR

Cooling System: Heat Exchanger YES

Transmission: Make: ALLISON Model: EVS 3000 PTO #1: Mfg MUNCIE Model: CS10-A1007-H3CX
 Type: AUTOMATIC Serial #: 6511603635 Gear Ratio (MD): 98% (HD): 140%

Drive to Pump through Transmission: YES PTO #2: Mfg N/A Model: N/A

Gear Ratio Engine to Pump: 2.91 Trans Gear Ratio Used: 1:1 Gear Ratio (MD): N/A (HD): N/A

Pump Make: HALE Model: MBP100-29

Pump Serial No: h20713 Transmission Serial #: N/A

Rated Capacity: 1000 Stages: SINGLE Impeller Diameter: 8.000 in.

Priming Device Type: AIR PRIMER CAFS System: N/A CAFS Serial#: N/A

Relief Valve: NO Pressure Governor: YES

Auxiliary Pump Make: N/A Model: N/A Serial #: N/A Rated Capacity: N/A

Generator Make: N/A Model: N/A Serial #: N/A Rated Capacity: N/A

Water Tank Capacity: 2100 gals. Foam Tank Capacity: 30 gals.

Chassis Make: FREIGHTLINER Model: M2-106 4x2 VIN: 1FVACYFC9LHKU8673

GAWR Front: 14,600 lbs. Rear: 31,000 lbs. Drive axle ratio (Front): N/A
 Drive axle ratio (Rear): 5.63

Tires Front Size: 12R 22.5 LRH lbs. Rated Capacity Total: 14,780 lbs.

Tires Rear Size: 315/80 R22.5 LRL lbs. Rated Capacity Total: 33,080 lbs.

Chassis Weight Distribution with Water - Front: 9,720 lbs. Maximum governed road speed: 60 mph

Chassis Weight Distribution with Water - Rear: 25,580 lbs.

Chassis Weight Distribution with Water - Total: 35,300 lbs. Calculated Turning Radius: 27.2 Height: 9 FT 4 IN

Chassis Weight Distribution without Water - Front: 8,280 lbs. Angle of Approach: 32° Length: 25 FT 6 IN

Chassis Weight Distribution without Water - Rear: 9,480 lbs. Angle of Departure: 15.4° Width: 102 IN

Chassis Weight Distribution without Water - Total: 17,760 lbs. Light Tower Height: N/A

Paint # (Primary): 90 RED Paint # (Secondary): N/A

3rd Party Pump Test Company: Southeastern Testing, Inc., Bradenton, Florida Foam System: N/A

Barometric Pressure: 29.82 inHg Temperature: 91° F Elevation: 11 ft

Suction Hose Size: 6 in Length: 20 ft Pump Elevation: 6 ft

Performance Certified to: 2000 ft.

	Pump Control Position	Flow	Disch	Suct	Net Press	Engine Speed	Pump Speed	Gear Ratio
Capacity	SINGLE STAGE	1002	146	4	150	4586	1608	2.91
Overload	SINGLE STAGE	1002	162	4	166	4774	1674	2.91
70% Capacity	SINGLE STAGE	704	198	3	201	4891	1715	2.91
50% Capacity	SINGLE STAGE	508	248	3	251	5270	1848	2.91

Auto Pressure: 16 Vacuum Test: 0 No Load: 2750

TESTED TOLERANCE -0 +5 PUMP PRESSURE

The engine used in the fire apparatus, as specified in the above pumper construction details, has been approved for stationary pumping application.