



Manufacturer's Record of Apparatus Construction Details

W. S. Darley, 920 Kurth Road, Chippewa Falls, WI 54729

Phone 715-726-2645 Fax 715-726-2648

Date: **March 17, 2021**

Job Number: **3471**

Initial(s): **SS**

Owner's Name: **Sheldon Community Fire & Rescue**

Contact: **Chief Sidney Webb**

Address: **8407 C. E. King Parkway**

City: **Houston**

State: **TX**

Zip: **77044**

Country: **USA**

Apparatus Manufacturer: **W. S. Darley & Co.**

Model: **Vision CAFS Pumper**

Serial Number: **193471**

Chassis Manufacturer: **Spartan Motors, Inc**

Model Number: **GA4H02GD18**

VIN: **4S7AU2D96LC088616**

GAWR of Front Axles (Lbs): **20,000**

Front Tire Size: **385/65R22.5**

Total Rated Capacity (Lbs): **9,370(x2)***

GAWR of Rear Axles (Lbs): **27,000**

Rear Tire Size: **12R22.5**

Total Rated Capacity (Lbs): **6,780(x4)**

Chassis Weight Distribution with Water and Manufacturer Mounted Equipment for the following:

Front (Lbs): **16,620**

Rear (Lbs): **21,980**

Total (Lbs): **38,600**

Engine Make: **Cummins Corp.**

Model Number: **ISL9**

Serial Number: **74694555**

No. of Cylinders: **6** Bore (In.): **4.49** Stroke (In.): **5.69** Displacement (In. ³): **543** Compression Ratio: **16.6:1**

Rated HP: **450**

Related Speed (Per SAE J690): **2100**

No-Load Governed Speed: **2390**

Rated Torque: **1250 lb-ft @ 1400 RPM**

Fuel Type: **Diesel**

Fuel Tank Capacity (Gal.): **68**

Electrical Systems Voltage: **12V**

Alternator Output (Amps): **320**

Battery Make: **Optima**

Battery Model: **D31T**

Capacity (CCA): **900**

Quantity: **6**

Transmission Make: **Allison**

Model Number: **3000 EVS**

Type: **Automatic**

Serial Number: **6511730895**

Pump to Drive Through the Transmission? YES or NO

Transmission Gear Ratio Used: **1:1**

Engine to PTO Ratio: **N/A**

Engine to Pump Ratio: **1:2.44**

Pump Make: **Darley/Champion**

Model: **LDMBC**

Serial Number: **621517**

Rated Capacity (GPM): **1750**

Number of Stages: **Single**

Impeller Diameter (Inches): **9.00**

Pump Gear Ratio: **2.44:1**

Priming Device Type: **Electric**

Type of Pump Pressure Control System: **Elect. Pressure Gov.**

Foam Unit Make: **FoamPro**

Model: **S106-2002-01**

Serial Number: **FN165732**

Compressor Make: **Tamrotor**

Model: **Enduro 12TS**

Serial Number: **FE012033836**

Generator Make: **None**

Model:

Serial Number:

Auxiliary Pump Make: **None**

Model:

Serial Number:

Rated Capacity in (GPM):

Number of Stages:

Impeller Dia. (In.):

Pump Gear Ratio:

Aerial Device Type: **None**

Serial Number:

Rated Capacity (Lbs):

Rated Vertical Height (Feet):

Rated Horizontal Reach (Feet):

PTO Serial Number:

Paint Brand: **PPG**

Paint Number: **Red - FBCH 71663**

White - FBCH 2185

Water Tank Certified (Gallons): **1030**

Foam Tank Certified (Gallons): **30**

Tank Serial No. 25672

W.S. Darley & Co. Responsible Official: _____

Prepared By: Steve Schultz

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