

MANUFACTURER RECORD OF AUTOMOTIVE FIRE APPARATUS CONSTRUCTION DETAILS

Owner: VICTORIA FIRE DEPARTMENT
Fire Chief/Responsible Officer: DONALD POZZI
Address: 25 N HANGER DR
City: VICTORIA

State: TX

Zip Code: 77904

Apparatus Manufacturer: DEEP SOUTH FIRE TRUCKS
Model: CA 1500
Serial No: A829

Chassis Manufacturer: INTERNATIONAL
Model: 4400

Serial No: 3HAMKAZR5FL528420

GAWR Front Axles: 14,000 lbs.; GAWR Rear Axles: 30,000 lbs.

Front Tire Size: 315/80R22.5 Rated Capacity Total: 16,540 lbs.

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

Chassis Weight Distribution with Manufacturer Mounted Equipment & Water* Front: 12,220 lbs.

Chassis Weight Distribution with Manufacturer Mounted Equipment & Water* Rear: 23,980 lbs.

Engine Manufacturer: IH

Model: MAXX FORCE 9

Serial No: 570HM2Y3522325

No. of Cylinders: 6 Bore: 4.30 Stroke: 5.35

Displacement: 570.0 cu. In.; Compression Ratio: 17.2:1

Rated Horsepower: 330 at 2,100 rpm; No Load Governed Speed: 2,200 rpm

Type of Fuel: DIESEL Fuel Tank Capacity: 50 gallons

Electrical System Voltage: 12 v.; Alternator Output: 320 amps

Battery Make: INTERNATIONAL Model: IT 31S 650 OE Capacity: 650C CCA

Transmission Manufacturer: ALLISON

Model: EV3000

Transmission Type: AUTOMATIC

Transmission Serial No: 6511219136

Pump to Drive Through Transmission: YES (yes or no)

Engine to Pump Gear Ratio: 2.32 Trans. Gear Ratio Used: D

Pump Manufacturer: HALE

Model: QFLO PLUS 125-23X

Rated Capacity: 1250 gpm

Serial No: H04364

No. of Stages: 1 Impeller Diameter: 10.25 in.

Priming Device Type: 12V OIL LESS

Relief Valve? N/A Pressure Governor? YES

Auxiliary Pump Manufacturer: N/A

Model: N/A

Serial No: N/A No. of Stages: N/A Impeller Diameter: N/A in.

Water Tank Capacity: 1500 gallons

Aerial Device Manufacturer: N/A

Type: N/A

Model No: N/A

Serial No: N/A

Rated Vertical Height: N/A ft.; Rated Horizontal Reach: N/A ft.

Aerial Rated Capacity: N/A lbs.

Paint Numbers: 2570 VIPER RED

*Weight distribution with water applies only if this apparatus is equipped with a water tank.

All information Certified Correct by: MICHAEL TAORMINA

Manufacturer Name: DEEP SOUTH FIRE TRUCKS

Date: 06-13-2014



AUTOMOTIVE FIRE APPARATUS CERTIFICATE OF INSPECTION FOR FIRE PUMP SYSTEMS

FIRE EQUIPMENT SERVICES

This is to certify that UL inspected and tested the below apparatus to the certification requirements in Section 16.13.1 of NFPA 1901, Standard for Automotive Fire Apparatus, 2009 Edition.

Certificate No.: P20140613A829
Date of Issue: 13 June 2014
Owner/Destination: VICTORIA FIRE DEPARTMENT
Manufacturer of Unit: DEEP SOUTH TRUCKS INC
Mfr. Model: CA 1500
Test Date: 13 June 2014
Year of Mfg.: 2014
Mfr. Serial No.: A829

Chassis Manufacturer		Model Number			Serial Number		
International		4400			3HAMKAZR5FL528420		
Engine Manufacturer		Model Number			Serial Number		
International		MAXX FORCE 9			570HM2Y3522325		
Transmission Manufacturer		Model Number			Serial Number		
Allison		EV3000			6511219136		
Pump Manufacturer		Model Number			Serial Number		
Hale		QFLO PLUS 125-23X			H04364		
TEST CONDITION							
Barometric Pressure (Hg) Corrected to Sea Level *	Air Temp Before (F) *	Air Temp After (F)*		Pump Elevation Above Water Source (Ft)	Test Site Elevation (Ft)	Water Temp. Before (F) *	Water Temp. After (F) *
29.9	86	83		5	268	84	78
Rated Capacity (GPM)	Pump Stage			Suction Hose Number	Suction Hose Size (In)	Suction Hose Length (Ft)	
1250	Single Stage			Hose 1	6	20	
Pump Gear Ratio	Pump Location			Hose 2	N/A	N/A	
1: 2.33	Midship			Hose 3	N/A	N/A	
				Hose 4	N/A	N/A	
TEST RESULTS	Pump Control Position	Flow (GPM)	Discharge Pressure (PSI)	Suction Allowance PSIG	Net Pump Pressure (PSI)	Pump Speed (RPM)	Engine Speed (RPM)
100% Capacity 150 PSI	Single Stage	1251	150	6	156	3437	1475
Overload 165 PSI	Single Stage	1251	160	6.5	167	3608	1548
70% Capacity 200 PSI	Single Stage	882	200	4	204	3720	1595
50% Capacity 250 PSI	Single Stage	626	250	3	253	4066	1745
Auto. Pressure Control Max increase PSI	12	Vacuum: HG Drop in 5 Minutes – Intakes Open		0	Vacuum: HG Drop in 5 Minutes – Intakes Closed		0
Water Tank Capacity (Gallons)	1,500	Gallons Discharged	1461	Tank Flowed at (GPM)	501	Time To Prime (Sec):	21

Engine No-Load Governed Speed: 2200 rpm

Mfr. Rated No-Load Governed Speed: 2200 rpm

Pressure gauge accuracy test passed.

Engine Speed Advancement Interlock Test Passed

*Readings for reference only

Remarks:

**For annual in-service testing of your aerial device, ground ladders and pumps, please contact
UL at 1-877-UL HELPS (877-854-3577)**

Not Valid Unless Signed

Thomas Hillenbrand
UL

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