



# Underwriters Laboratories Inc.®

333 PFINGSTEN ROAD • NORTHBROOK, ILLINOIS 60062

CERTIFICATE NUMBER

**000189**

ISSUE DATE

3/11/94

## CERTIFICATE OF FIRE PUMP EXAMINATION & TEST

This is to certify that the chassis/engine/transmission/fire pump/water tank combination and related accessories identified below was examined and tested by Underwriters Laboratories Inc. and found to comply with sections 11-2 to 11-7 of NFPA Standard 1904 (1991 Edition)

The examination and test consisted of the Pumping Test, Pumping Engine Overload Test, Pressure Control Device Test, Priming Device Test, Vacuum Test and Water Tank to Pump Flow Test (if a water tank is provided) as outlined in the above referenced sections in the appropriate NFPA Standard.

DESTINATION: City Of Ogdensburg 330 Ford Street Ogdensburg NY 13669

MANUFACTURER: Emergency One Inc.

MFR. MODEL NO.: 100' Ladder

SERIAL NO.: 13113

YEAR: 1994

CHASSIS MANUFACTURER	MODEL NUMBER	SERIAL NUMBER
E-ONE	Cyclone	4ENDABA87R1003113
ENGINE MANUFACTURER	MODEL NUMBER	SERIAL NUMBER
Detroit	8V-92TA	08VF160972
TRANSMISSION MANUFACTURER	MODEL NUMBER	SERIAL NUMBER
Allison	HT-740	2510185255
PUMP MANUFACTURER	MODEL NUMBER	SERIAL NUMBER
Hale	QSG125-23	61812

RATED CAPACITY 1,250 GPM

TEST CONDITIONS: Barometric Pressure 30.22 in. Hg. (corrected to Sea Level); Temp. 39 F; Elevation 100 ft.;

SUCTION HOSE: Size 6 in.; Length 20 ft.; Pump elevation above water source 5 ft.;

Performance Certified to 2,000 ft. Elevation above Sea Level.

TEST CONDITIONS	PUMP CONTROL POSITION	FLOW GPM	DISCHARGE PRESSURE PSI	SUCTION ALLOWANCE PSIG (NEG.)	NET PUMP PRESSURE PSI	PUMP SPEED RPM	ENGINE SPEED RPM	GEAR RATIO ENGINE TO PUMP
CAPACITY 150 PSI - 2 HRS.	S/S	1260	146	4	150	3616	1586	1:2.28
OVERLOAD 165 PSI - 10 MIN.	S/S	1260	161	4	165	3785	1660	1:2.28
70% CAPACITY 200 PSI - 30 MIN.	S/S	882	197	3	200	3922	1720	1:2.28
50% CAPACITY 250 PSI - 30 MIN.	S/S	643	247	3	250	4264	1870	1:2.28

Automatic Pressure Control Test: Max. Increase 10 psi. Vacuum Test: 1/2 in. Hg. drop in 5 minutes

No Load Governor Speed 2150 rpm; Specified 2225 rpm. Pump Location Mid.

Water Tank Capacity 270 Gal.; Tank Flow Test: 225 Gal. discharged at 163 gpm

Time to prime 13 s

### REMARKS

\* 2 1/2 Pony Suction used during UL test.

Not Valid Unless Countersigned

UNDERWRITERS LABORATORIES, INC.

Signed: *Robert H. Levine*

ROBERT H. LEVINE  
Vice President and Chief Engineer  
Follow-Up Services



Subsidiary of Federal Signal Corporation

MANUFACTURER'S RECORD OF PUMPER CONSTRUCTION

DATE 3/11/94

1. Owner A. Livingston Customer City Of Ogdensburg  
Address 330 Ford Street Ogdensburg NY 13669
2. Manufacturer Emergency One Model 100' Ladder S.O.# 13113
3. Engine Make Detroit Model 8V-92TA Serial# 08VF160972
4. No. Cyls. 8 Bore 4.84 Stroke 5.00 Displ. 736 Cu In. 2225
5. Rated HP 450 AT 2100 RPM No-Load Governed RPM 2225
6. Comp. Ratio 17.0 Type Diesel
7. System Voltage 12 Alternator Output 250
8. Battery: Single No Dual Yes Capacity 1112 CCA
9. Battery: Make and Model Douglas
10. Fuel Tank Capacity 65 Gals. Type of Feed Mechanical
11. Cooling System: Heat Exchanger? Yes
12. Transmission: Make Allison Model HT-740  
Transmission: Type Automatic Serial# 2510185255
13. Drive To Pump through Transmission? Yes
14. Gear Ratio Engine to Pump 2.28
15. Pump Make: Hale \* American Godiva Other  
Model OSG125-23 Rated Capacity 1,250 GPMS
16. Serial No. 61812 No. of Stages 1 Impellar Dia 9½ In.
17. Priming Device Type Electrical/Rotor
18. Relief Valve? Yes Pressure Governor? No
19. Auxillary Pump? N/A Make N/A Model N/A
20. Water Tank Capacity 270 Gals. Foam Tank Capacity 30 Gals.
21. Chassis Make E-ONE  
Model Cyclone Serial# 4ENDABA87R1003113
22. GAWR: Front 20,000 lb. Rear 48,000 lb.
23. Tire Size Frt 425/65R22.5 (20) Rated Cap Total 22,800 lb.
24. Tire Size Rr 11R22.5 (16) Rated Cap Total 52,880 lb.
25. Chassis Weight Distribution with Water: Front 17,460 lb.
26. Chassis Weight Distribution with Water: Rear 36,720 lb.
27. Paint # Red - 3225 Paint # White - 4006
28. Company: EMERGENCY ONE, INC.
29. Completed By: J Sanchez Park