

NORTHEAST EMERGENCY APPARATUS, LLC

Pump Performance Evaluation Report

Department:	Oxford	Contact:	Chief Hewey
Test Date:	9/14/2023	Tester:	Scott Lake
Apparatus I.D.:	E-4	Year:	1996
C/C Manufacturer:	E-One	Body Manufacturer:	E-One
C/C Model:	Top MT	Body Model:	Pumper
VIN:	4ENRAAA8410055849	Body ID:	15584
Odometer Miles:	119,121	Hours:	7,850
Engine Mfr.:	Cummins	Trans. Mfr.:	Allison
Engine Type:	Diesel	Trans. Type:	Automatic
Engine Model:	ISC350	Trans. Model:	MD 3000
Air Temp:	72°F	Water Temp:	68°F
Pump Make:	Hale	Pump Model:	QSG125-23
Pump GPM Rating	1,250	Pump S/N:	N/A
Counter Ratio:	1:10	Pump Hours:	N/A

Pump Test

	Capacity	70% Capacity	50% Capacity
Hose Layout:	(2) 3x50	(2) 3x50	(2) 3x50
Nozzle Size:	2 1/4"	2	1 3/4
Nozzle Pressure:	70	56	48
Output GPM:	1,261	889	630
Pump Pressure:	150	200	250
Pump Vacuum:	11.3	7.6	5.2
Engine RPM:	1,683	1,794	1,901
Original Eng. RPM:	1,610	1,730	1,870
Lift:	3'	3'	3'
Suction Layout:	(3) 6x10	(3) 6x10	(3) 6x10

5-Minute Reserve Capacity Test @ 165 PSI: 1261 GPM @ 1770 RPM

Vacuum Test

Total Inches Hg:	22	5-min. drop (max=10):	6.5
Priming Time (seconds):	19	Time Allowed (seconds):	45

Relief Valve Test (M)

	150 PSI	90 PSI	250 PSI
PSI Increase	25	18	24 (150)

Notes: NFPA 1911 No load voltage: Full load voltage: Master Gauges ok
 PP Tach is OOS 5x6 Intake reducer is seized - unable to remove. Light works
 Thermostat is stuck open or both temp gauges are bad. Overtemp alarm in cab @ 170F PP
 5" Storz

Cab foot throttle interlock test: N/A Mechanical Pump panel interlock test: Light Functions
 Generator test: N/A Pump panel throttle type: Mechanical Throttle