



Waterway Long Island
 (516) 731-1616
 www.waterwaylongisland.com



Pump Performance Test per NFPA 1911-2017 edition performed with Draft Commander 3000

Date: 10/21/2017 Department: Fair Harbor Apparatus # 3-16-7
 App. Year: 2001 Manufacturer: International Model: Saulsbury
 Reason for test: New Annual Repaired Modified Waterway I.D. # WP00278

Pump Test Data Plate Info			
Pump Make: Hale		Pump Serial #: 299122	
Pump Model: CSD-125-21-79926		<input checked="" type="checkbox"/> Single Stage	<input type="checkbox"/> Two Stage
Rated Capacity - 1250 GPM			
1250	GPM at 150 psi @	1725	RPMS
1250	GPM at 165 psi @	1802	RPMS
875	GPM at 200 psi @	1831	RPMS
625	GPM at 250 psi @	1965	RPMS
Governed engine speed not in pump	2400	Actual max RPM's	2400

Conditions		
Test Location	Robert Moses State Park	
Item	At start of test	At end of test
Atmospheric pressure	30.29	30.30
Air temperature	57	60
Water temperature	65	68
Elevation of test site	Less than 250'	Less than 250'
Vertical lift	3'	3'

Vacuum Test		
(NFPA recommended vacuum attained is 22" up to 200' altitude)		
<i>(Note: Every 1" of vacuum is equals 1/2 ft. of draft lift. Example: 20" of vacuum attained equals 10' of draft lift)</i>		
Actual Vacuum attained: 20" = to a drafting lift of Choose an item.		
Suction Hose Size:	1 X 6" X 17'	Add. Suction Hose (if appl.) Choose an item.
Vacuum drop in (5) minutes:	20" Caps on	20" Caps Off
Time to prime pump	25 seconds	

Pump shift indicator test Pass See notes Pump shift interlock test Pass See notes
 Tank-to-pump flow gpm N/A Intake relief valve psi N/A

Averaged Pump Test Results				
	100 % Test	Overload Test	70 % Test	50 % Test
Test duration (minutes)	20	5	10	10
Average Nozzle PSI	70	70	94	88
Average GPM's	1260	1260	881	626
Average Pump PSI	150	165	200	250
Average Engine RPM's	1710	1790	1820	1970
Pressure Control tests:	0 @ 150 psi		0 @ 90 psi	0 @ 250 psi
Pressure Gauge Tests:	Passed			

20-MINUTE CAPACITY TEST 150 PSI GPM PUMP RATED AT: 1250 Hose Layout: 2 X 50' X 3" Nozzle Size: 2-1/4" Position of transfer valve: N/A													
Time	Rpm Cab	Rpm Pump Panel	Engine Temp	Oil Pressure	Voltage /Amps	Auto Trans Temp.	Apparatus Gauge Vac	Test Gauge Vac	Apparatus Gauge Pressure	Test Gauge Pressure	Pitot 1 Flow	Pitot 2 Flow (if appl.)	Total GPM Flowed
0930	1710	1710	210	50	13.2	180	<0	-4	150	150	70		1260
0935	1710	1710	210	50	13.2	182	<0	-4	150	150	70		1260
0940	1710	1710	210	50	13.2	182	<0	-4	150	150	70		1260
0945	1710	1710	210	49	13.2	190	<0	-4	150	150	70		1260
0950	1710	1710	210	49	13.2	198	<0	-4	150	150	70		1260

5-MINUTE OVERLOAD TEST 165 PSI GPM PUMP RATED AT: 1250 Hose Layout: 2 X 50' X 3" Nozzle Size: 2-1/4" Position of transfer valve: N/A													
Time	Rpm Cab	Rpm Pump Panel	Engine Temp	Oil Pressure	Voltage /Amps	Auto Trans Temp.	Apparatus Gauge Vac	Test Gauge Vac	Apparatus Gauge Pressure	Test Gauge Pressure	Pitot 1 Flow	Pitot 2 Flow (if appl.)	Total GPM Flowed
0951	1790	1790	210	49	13.2	210	<0	-4	165	165	70		1260
0956	1790	1790	210	49	13.2	210	<0	-4	165	165	70		1260

Pressure Control Device Test: PSI rise while pumping capacity at 150 PSI	0
Pressure Control Device Test: PSI rise while pumping capacity at 90 PSI	0

10-MINUTE 200 PSI 70% Test GPM PUMP RATED AT: 875 Hose Layout: 2 X 50' X 3" Nozzle Size: 1-3/4" Position of transfer valve: N/A													
Time	Rpm Cab	Rpm Pump Panel	Engine Temp	Oil Pressure	Voltage /Amps	Auto Trans Temp.	Apparatus Gauge Vac	Test Gauge Vac	Apparatus Gauge Pressure	Test Gauge Pressure	Pitot 1 Flow	Pitot 2 Flow (if appl.)	Total GPM Flowed
0958	1820	1820	210	49	13.2	215	<0	-1	200	200	94		881
1003	1820	1820	210	49	13.2	215	<0	-1	200	200	94		881
1008	1820	1820	210	49	13.2	217	<0	-1	200	200	94		881

10-MINUTE 250 PSI 50% TEST GPM PUMP RATED AT: 625 Hose Layout: 2 X 50' X 3" Nozzle Size: 1-1/2" Position of transfer valve: N/A													
Time	Rpm Cab	Rpm Pump Panel	Engine Temp	Oil Pressure	Voltage	Auto Trans Temp.	Apparatus Gauge Vac	Test Gauge Vac	Apparatus Gauge Pressure	Test Gauge Pressure	Pitot 1 Flow	Pitot 2 Flow (if appl.)	Total GPM Flowed
1010	1970	1970	210	50	13.2	215	<0	-1	250	250	88		626
1015	1970	1970	210	50	13.2	215	<0	-1	250	250	88		626
1020	1970	1970	210	50	13.2	215	<0	-1	250	250	88		626

Pressure Control Device Test - PSI rise while pumping 50 percent capacity at 250 PSI:	0
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Notes / comments:
Did not hold required dry vacuum for 5 minutes

Test conducted by: Wells Date: 10/21/2017
 Fire Department representative name / title: F. Cherba / Mechanic