

# A ne Fire Equipment, Inc.

High Quality Parts & Service

### NFPA Annual Pump Performance Test

Winter Park Fire Department		Engine 161 (2233)	Manufacturer: Pierce
Year 1996	VIN # 4P1CT02P9TA000647 (Job #E9819-01)		Model: Pumper
Engine Make: Detroit	Engine Model: Series 60		Horsepower:
Pump Make: Hale	Pump Model: QSMG150-23L		Serial # 69658

Test Location: 1409 Howell Branch Rd	Hose Size: 6"	Hose Length: 16'	Elevation: 3'
Weather Condition: Cloudy	Air Temp: 81	Test Water Temp: 91	Barometer: 30.06

Time to Prime: 9 seconds

#### 20 minute Capacity Test

Nozzle size 2 1/2

Time	Counter	Panel RPM	Cab RPM	Pump Pressure	Pitot
3:19	1384	1400	1400	150	66
3:24	1384	1400	1400	150	66
3:29	1384	1400	1400	150	66
3:34	1384	1400	1400	150	66
3:39	1384	1400	1400	<b>GPM 1509</b>	66
Water Temp 160		Oil Pressure 65	Trans. Temp 155	Voltage 13.6	

#### 5 minute overload Test

Nozzle size 2 1/2

Time	Counter	Panel RPM	Cab RPM	Pump Pressure	Pitot
3:39	1430	1450	1450	165	66
3:44	1430	1450	1450	165	66

#### 10 minute 200 psi Test

Nozzle size 2 1/4

Time	Counter	Panel RPM	Cab RPM	Pump Pressure	Pitot
3:44	1507	1510	1510	200	50
3:49	1507	1510	1510	200	50
3:54	1507	1510	1510	<b>GPM 1064</b>	50
Water Temp 195		Oil Pressure 58	Trans. Temp 205	Voltage 13.6	

#### 10 minute 250 Test

Nozzle size 1 3/4

Time	Counter	Panel RPM	Cab RPM	Pump Pressure	Pitot
3:54	1675	1660	1660	250	68
3:59	1675	1660	1660	250	68
4:04	1675	1660	1660	<b>GPM 750</b>	68
Water Temp 195		Oil Pressure 58	Trans. Temp 205	Voltage 13.6	

Pump panel throttle interlock test: Pass  Fail

Pressure control test: Pass  Fail  Rise at 90 psi 5 Rise at 150 psi 5 Rise at 250 psi 5

Tank to pump water flow test: 575 (GPM)

Vacuum Test: Pass  Fail  Maximum vacuum attained 22.0 Vacuum dropped 8.0 in. Hg in 5 minutes.

Test Conducted by: Dwayne Gagel	Date: 04-06-2020
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Comments: 1) LDH discharge difficult to open and close.  
2) Left front headlight not working.