

# Engine Driven Fire Pump Test



**MicroTrack Software, 961 Pottstown Pike , Chester Springs PA PA 19425**

**Phone: 888-371-2145, Fax: 610-321-2418**

INSPECTION DATE: 09/13/2002, INSPECTOR: ROB SMITH

REPORTING ADDRESS: BlueLight Software, 902 Redwood Drive, , Loveland, CO, 80538

INSPECTION ADDRESS: BlueLight Training Center, 1901 Callado Court, , Berthoud, CO, 80513

CUSTOMER # 56258, CUSTOMER # 123, CONTACT: Laura Livingston PHONE: 970-461-8554 FAX: 970-461-8555

PIPING		ACTUAL	NFPA 20
Sensing lines per NFPA 20?	Relief Valve size?	Jockey pump start PSI?	108
Suction OS&Y Valve size?	Air Release Valve?	Jockey pump stop PSI?	118
Discharge OS&Y Valve size?	Suction Gauge?	Fire pump start PSI?	103
Bypass Valve size?	Discharge Gauge?	Fire pump stop PSI?	118
Test Header Size? / # Valves	System gauge?	Automatic stop minutes?	
Roof Manifold size? / # Valves		Manual stop?	
Min. static supply pressure?		Is this the primary pump?	

PUMP		DIESEL ENGINE	CONTROLLER
Pump Type		Driver Type	Type
Mfr	GOULD PUMPS	Mfr	Mfr
Serial #	G76857475647	Serial #	Serial #
Model #	G768574	Model #	Model #
*Rated GPM	1500	Horse Power	Volts
*Rated PSI	231	Rpm	Phase
*Rated RPM	2500		Cycles
Max. PSI			Volts/Ground
150% PSI	150		
150% GPM	2250		
Impeller			
Stages			

\*Required Fields for Graphs

<b>Nozzle Coefficient</b>	<b>0.97</b>
<b>Nozzle Type</b>	<b>SMOOTH BORE NOZZLES, GENERAL</b>

Test Point	0%	Churn Test	Flow	Suction	Discharge	Net Press.	Pump Speed (RPM)
Target Flow	0		0	0	118	118	2517

Test Point	25%	Nozzle	Pitot Pres	Flow	Suction	Discharge	Net Press.	Pump Speed (RPM)
Meas Flow	376	1 3/4	18	376	9	117	108	2495
Adj. Flow	377	0	0	0				
Adj. Press	108	0	0	0				
		0	0	0				

Test Point	51%	Nozzle	Pitot Pres	Flow	Suction	Discharge	Net Press.	Pump Speed (RPM)
Meas Flow	762	1 3/4	18	376	8	116	108	2471
Adj. Flow	771	1 3/4	19	386				
Adj. Press	111	0	0	0				
		0	0	0				

## Engine Driven Fire Pump Test

Test Point	75%
Meas Flow	1128
Adj. Flow	1145
Adj. Press	105

Nozzle	Pitot Pres	Flow	Suction	Discharge	Net Press.	Pump Speed (RPM)
1 3/4	17	365	8	110	102	2463
1 3/4	18	376				
1 3/4	19	386				
0	0	0				

Test Point	102%
Meas Flow	1535
Adj. Flow	1565
Adj. Press	96

Nozzle	Pitot Pres	Flow	Suction	Discharge	Net Press.	Pump Speed (RPM)
1 3/4	19	386	7	99	92	2452
1 3/4	19	386				
1 3/4	18	376				
1 3/4	19	386				

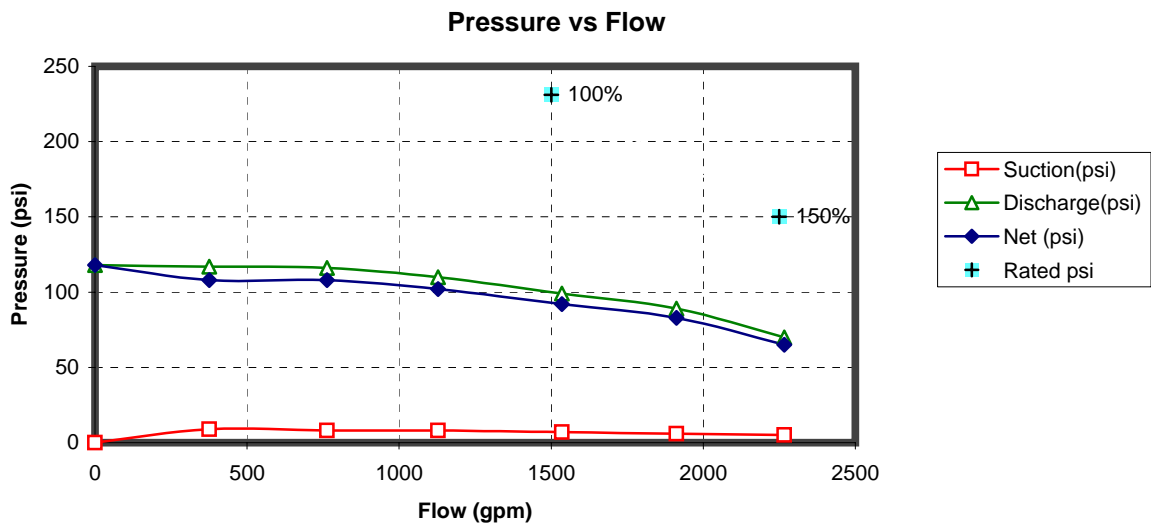
Test Point	127%
Meas Flow	1911
Adj. Flow	1886
Adj. Press	81

Nozzle	Pitot Pres	Flow	Suction	Discharge	Net Press.	Pump Speed (RPM)
1 3/4	18	376	6	89	83	2533
1 3/4	19	386				
1 3/4	18	376				
1 3/4	19	386				
1 3/4	19	386				

Test Point	151%
Meas Flow	2266
Adj. Flow	2359
Adj. Press	70

Nozzle	Pitot Pres	Flow	Suction	Discharge	Net Press.	(RPM)
1 3/4	18	376	5	70	65	2402
1 3/4	18	376				
1 3/4	18	376				
1 3/4	18	376				
1 3/4	20	396				
1 3/4	17	365				

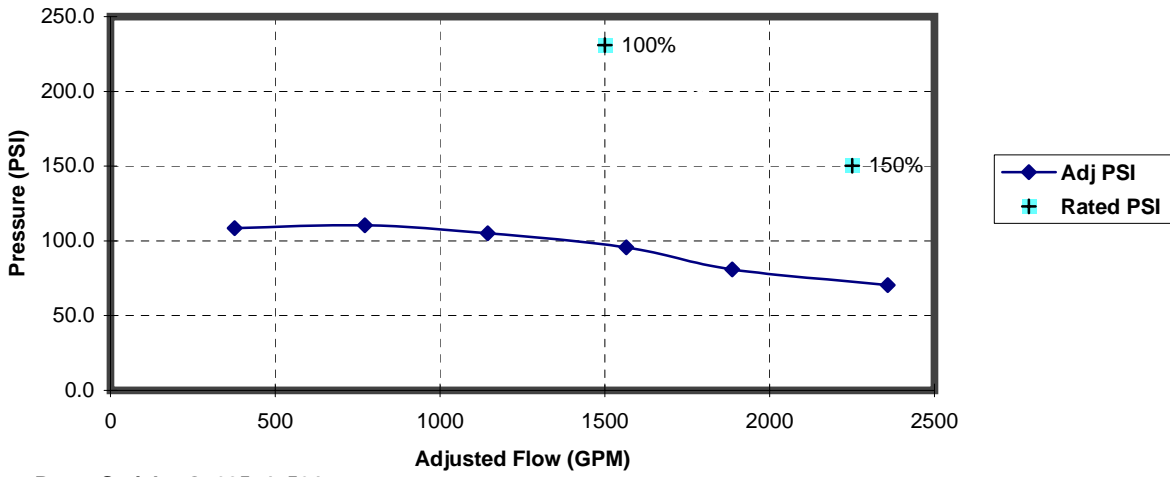
# Engine Driven Fire Pump Test



Pump Serial # G76857475647

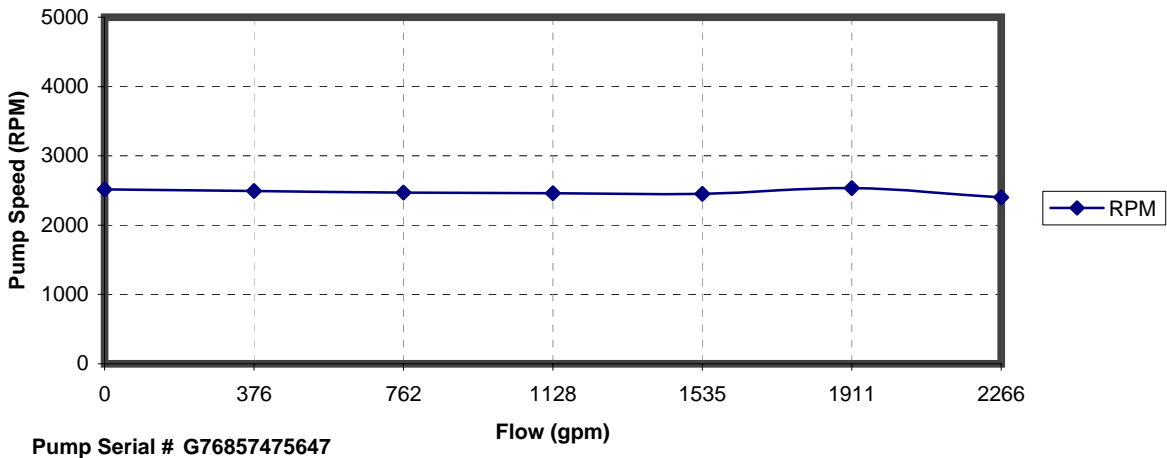
# Engine Driven Fire Pump Test

## RPM Corrected Fire Pump Test Curve



Pump Serial # G76857475647

## Fire Pump Speed



Pump Serial # G76857475647