

Pump Performance Test Report (0 to 1600 gpm)

Client:	American Tire	Location:	Warren Ave Westbrook Me
Date:	7-Apr-15	Tested by:	Ken Crew / Dan Hill

Pump Identification:		Patterson Mod# 8X6 MI Ser# FP-C0135733			
Rated GPM	1500	Rated PSIG:	60	Rated PSIG @ 0%:	74
Rated GPM @ 150%:	2250	PSIG @ 150%:	43	Rated Pump RPM:	1775

*** Distance from the pumping water level to the center of the discharge gauge in FEET - Vertical Turbine Pumps

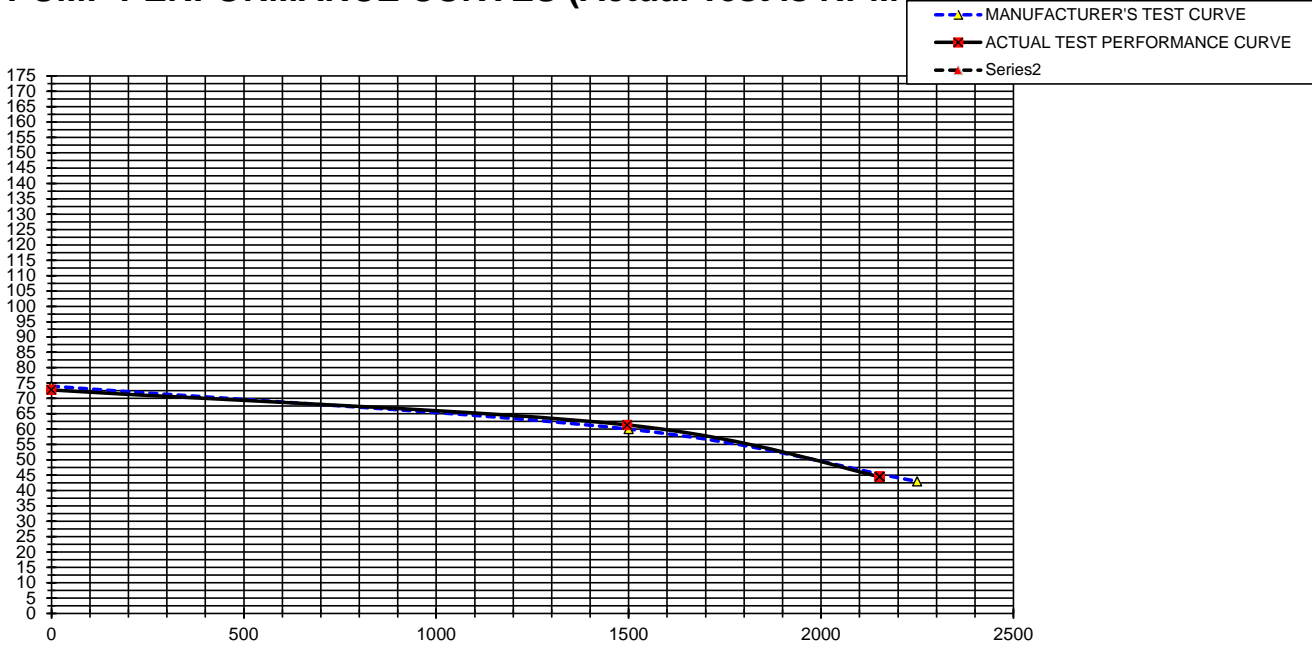
Rated Pump RPM	As Tested Pump RPM	Test Discharge Pressure	Test Suction Pressure (+ or -) ***	Test Net Head (PSIG)	Nozzle Diameters	Nozzle "K"	Test Nozzle Pitot Pressure	Calculated Test Flow (GPM)	ACTUAL FLOW (GPM) (rpm corrected)	ACTUAL NET HEAD (PSIG) (rpm corrected)	Actual % of Rated Flow
1775	1790	163	89.00	74.00	1.750	0.97	0	0	0	73	0
"A-B" Leg Amperage		37	Voltage	487							
"B-C" Leg Amperage		43	Voltage	492							
"A-C" Leg Amperage		43	Voltage	490							
AVERAGE		41.00		489.67							
1775	1784	145	83.00	62.00	1.750	0.97	32	501	499		
"A-B" Leg Amperage		77	Voltage	483	1.750	0.97	32	501	499		
"B-C" Leg Amperage		86	Voltage	489	1.750	0.97	32	501	499		
"A-C" Leg Amperage		87	Voltage	487	1.750	0.97		0	0		
AVERAGE		83.33		486.33	TOTAL			1504	1496	61	99.75%

1775	1784	123	78.00	45.00	1.750	0.97	39	553	551		
"A-B" Leg Amperage		79	Voltage	481	1.750	0.97	38	546	543		
"B-C" Leg Amperage		87	Voltage	487	1.750	0.97	36	532	529		
"A-C" Leg Amperage		84	Voltage	486	1.750	0.97	36	532	529		
AVERAGE		83.33		484.67	1.750	0.97		0	0		
				TOTAL				2163	2152	45	143.47%

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"B-C" Leg Amperage		87	Voltage	487	1.750	0.97	36	532	529		
"A-C" Leg Amperage		84	Voltage	486	1.750	0.97	36	532	529		
AVERAGE		83.33		484.67	1.750	0.97		0	0		
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PUMP PERFORMANCE CURVES (Actual Test is RPM Corrected)





Fire Pump Controller
Start - Up Report

Job Site: Name: <u>American Tire</u> Address: <u>765 Warren Ave</u> <u>Westbrook Me</u> Contact: _____ Phone: _____ Email: _____ Date: <u>4/7/2015</u> C-H Representative: <u>Ken Crew / Dan Hill</u>	Fire Pump Manufacturer: <u>Patterson</u> Model: <u>8X6 MI</u> Serial #: <u>FP-CO135733</u> Rating: <u>1500 GPM @: 60</u> psi Static pressure: <u>90</u> psi Motor Manufacturer: <u>WEG</u> Model: <u>075180P3EFP365TS</u> Serial #: <u>1023844716</u> HP: <u>75</u> FL Amps: <u>85.3</u> RPM: <u>1780</u> Voltage: <u>460</u> Locked Rotor Code: <u>G</u> Service Factor: <u>1.15</u> Design Letter: <u>B</u> Reduced Volt Acc Time: <u>N/A</u> Transfer Sw Motor Disc. Time <u>N/A</u> Re - Transfer Time <u>N/A</u> Remote Alarm Contacts wired to alarm <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Half Load Volts: _____ Half Load Amps: _____ 150% Load Volts: <u>484.67</u> 150% Load Amps: <u>83.33</u> Remote Alarm Contacts Tested <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Jockey Pump Control: Model: <u>XTJP-1.5-D-L1</u> Serial #: <u>16C441J</u> Start psi: <u>160</u> Stop: <u>170</u> FP ON: <u>150</u> <u>MANUAL OFF</u>	
Fire Pump Controller: Model: <u>FD90-75-D-L1-USB</u> Serial #: <u>16C4411E</u> Min Run Timer <u>MANUAL</u>	
Operational Tests: Open Circuit Volts: V1-V2 <u>487</u> Churn Volts: <u>489.67</u> V1-V3 <u>492</u> Churn Amps: <u>41</u> V2-V3 <u>490</u> Full Load Volts: <u>486.33</u> Full Load Amps: <u>83.33</u>	
Notes: SEE BELOW 	
Fire Pump Controller Left: <input checked="" type="radio"/> IN <input type="radio"/> OUT of Service per: <u>Jason w/EFP</u>	