

# Fire Pump Test Report

ABC Paint Company

40 Washington Street  
Maplewood, MD 20678

7/31/2001

Conducted by:

FPE Software, Inc.

P.O. Box 1748  
Prince Frederick, MD 20678

410-586-2128  
410-586-2085 fax  
mail@fpesoftware.com  
www.fpesoftware.com

# FIRE PUMP TEST REPORT

## ABC Paint Company

### Company

Name: **ABC Paint Company**  
Address: **40 Washington Street**  
City/St/Zip: **Maplewood, MD 20678**  
Contact Name: **Kenney McRuckles**  
Title: **Facilities Manager**  
Dept: **Facilities Management**  
Phone: **410-555-1234** Ext:

### Pump

Manufacturer: **Reddy Buffaloe** Label: **UL**  
Model Number: **6x6 DF**  
Serial Number: **845-136-DF6**  
Pump Type: **Horizontal** RPM: **1750**  
Rating - Churn: **0 gpm @ 60 psi**  
100%: **750 gpm @ 50 psi**  
150%: **1,125 gpm @ 32.5 psi**  
Elevations - Pump: **ft** Discharge Gauge: **1 ft** Suction Gauge: **1 ft**  
Diameters - Impeller: **9.125 in** Discharge Pipe: **6 in** Suction Pipe: **6 in**  
Inner Bearing: **3251** Outer Bearing: **3450**  
Rotation: **Clockwise** Max. Discharge Pressure: **230 psi**  
Driver Type: **Diesel**

### Diesel Driver

Manufacturer: **Ajax TEFC** Label: **UL**  
Model Number: **RB-30-2-8577**  
Serial Number: **123465789**  
Horsepower: **30** RPM: **1750** # cylinders: **8**  
Fuel Tank Location: **Outside north wall of pump house** Gallons: **300**

### Jockey Pump

Manufacturer: **Burkes** Label: **FM**  
Model Number: **37CT7M**  
Serial Number: **368313**  
Horsepower: **0.75** RPM: **3450** Flow: **5 gpm**  
Pressure: **120 psi** Suction Diam: **1.00 in** Discharge Diam: **0.75 in**

### Pump Controller

Manufacturer: **Firetrol** Label: **UL/FM**  
Model Number: **FTA 750-AA30H**  
Serial Number: **117400**  
On Pressure: **90 psi** Off Pressure: **100 psi** Run Timer: **10 mins**  
AutoTest Freq: **Weekly** Auto Test On: **7:00 am** Auto Test Off: **7:30 am**

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## ABC Paint Company

### Jockey Pump Controller

Manufacturer: **Firetrol**

Label: **UL**

Model Number: **FTA 500-AA34H-X**

Serial Number: **117404**

On Pressure: **110** psi

Off Pressure: **135** psi

### Brake Horsepower

Brake Horsepower: **30.00**

Maximum BHP: **26.00** at Positive Suction Pressure: **180** psi

### Relief Valve(s)

	Manufacturer	Size	Pressure
Pump Pressure -	<b>Acme</b>	<b>4.00</b> in	<b>175</b> psi
Pump Casing -	<b>Acme</b>	<b>0.75</b> in	<b>120</b> psi
Jockey Casing -	<b>Acme</b>	<b>0.75</b> in	<b>175</b> psi

### Transfer Switch

Serial Number: **123456798**

Model Number: **789456-456**

Manufacturer: **Boone Electric**

Emergency power Source: **Diesel generator**

Transfer Time: **1** secs

### Factory Curve

Flow:	<b>0</b>	<b>200</b>	<b>400</b>	<b>600</b>	<b>750</b>	<b>800</b>	<b>1,000</b>	<b>1,125</b>	<b>0</b>	<b>0</b> gpm
Pressure:	<b>60.0</b>	<b>58.0</b>	<b>56.0</b>	<b>53.0</b>	<b>50.0</b>	<b>49.0</b>	<b>39.5</b>	<b>32.5</b>	<b>0.0</b>	<b>0.0</b> psi

### Right Angle Gear

Manufacturer: **Amarillo Gear**

Model Number: **AMR-1234**

Serial Number: **12345-678**

Ratio: **1x1**

Input RPM: **1750**

Output RPM: **1750**

### Pump Notes

**Jockey sensing line takeoff in wrong location.**

**Water from packing glands not draining properly. Drain pipe may be obstructed.**

### Test

Date: **7/31/2001**

Start: **12:00:00 PM**

End: **12:30:00 PM**

Method: **Devices with hose**

Discharge Device: **Playpipes**

Suction Pressure Location: **Pump suction flange**

Discharge Pressure Location: **Pump discharge flange**

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### Flows

#	Time	Disch	Suct	Flow	RPM	Amperes				Volts		Net Press	Corrected		% Flow
		Press	Press			A	B	C	A-B	B-C	A-C		Flow	Press	
1	12:15	118.0	62.0	0	1,783	38.0	37.0	36.0	205.0	204.0	205.0	56.0	0	54.0	0
2	12:20	111.0	60.0	378	1,776	47.0	47.0	46.0	204.0	204.0	203.0	51.0	372	50.0	50
3	12:22	100.0	54.0	756	1,767	58.0	58.0	57.0	204.0	204.0	204.0	46.0	749	45.0	100
4	12:24	84.0	47.0	1,126	1,764	64.0	65.0	63.0	204.0	205.0	203.0	37.0	1,117	36.0	149

### Tester(s)

Name	License	State
<b>Mark Lentocha, PE</b>	<b>12345</b>	<b>MD</b>
<b>Jim Brown</b>	<b>23456</b>	<b>MD</b>
<b>Tracy Duffey</b>		
<b>Brent Wallace</b>		

### Authority Having Jurisdiction

Name: **Howard Packer**

Title: **Fire Marshall**

Company: **Torington Fire Department**

Phone: **410-555-1212** Ext:

Fax: **410-555-7456** Cell:

E-mail: **Robert\_Marlow@ToringtonFD.com**

### Witness(es)

Name: **Tom Duross**

Company: **Two Guys Insurance**

Phone: **816-555-1456** Fax: **816-555-1232**

E-mail: **Tom\_Duross@TwoGuys.com**

Name: **Gary Heubeck**

Company: **Two Guys Insurance**

Phone: **816-555-1457** Fax: **816-555-1232**

E-mail: **Gary\_Huebeck@TwoGuys.com**

### Diesel Fluids

Fuel Tank - Start: **Full** End: **7/8** Oil Level: **Full**

### Temperatures

Pump Bearing - Inner: **120 °F** Outer: **125 °F**

Driver Bearing - Inner: **170 °F** Outer: **180 °F**

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### Gauges & Meters

	Type	Calibration Date
Pressure Gauges:	<b>Nemco ACS-102 Digital</b>	<b>1/15/2001</b>
Volt Meter:	<b>Enrico Model 156</b>	<b>12/15/2001</b>
Amp Probe:	<b>Enrico Model 158</b>	<b>12/15/2001</b>
Tachometer:	<b>Accurate Model 23</b>	<b>8/6/2001</b>

### Test Notes

**Test went well - no problems noted.**