



CUSTOMER & JOB INFORMATION			
<b>Company:</b>		<b>Date:</b>	
<b>Address:</b>		<b>Job Number:</b>	
<b>Contact:</b>		<b>Tech Name:</b>	
<b>Frequency:</b>		<b>License #:</b>	

SYSTEM INFORMATION					
<b>Fire Pump</b>					
<b>Location:</b>		<b>Driver/Motor Type:</b>		<b>Rated RPM:</b>	
<b>Manufacturer:</b>		<b>Stages:</b>		<b>Rated GPM:</b>	
<b>Model:</b>		<b>Impeller Diameter:</b>		<b>Rated PSI:</b>	
<b>Serial #:</b>		<b>Pump Type:</b>		<b>Water Source:</b>	
<b>Notes:</b>					

Motor					
<b>Manufacturer:</b>		<b>Volts:</b>			
<b>Model:</b>		<b>Amps:</b>			
<b>Serial #:</b>		<b>Speed:</b>			
		<b>HP:</b>			

Fire Pump Controller		Jockey Pump		Jockey Pump Controller	
<b>Manufacturer:</b>		<b>Manufacturer:</b>		<b>Manufacturer:</b>	
<b>Model:</b>		<b>Model:</b>		<b>Model:</b>	
<b>Serial #:</b>		<b>Serial #:</b>		<b>Serial #:</b>	

**INSPECTION**

FREQUENCY		RESULTS YES/NO/NA
WEEKLY	Heat in pump room is 40° F (4° C) or higher	
WEEKLY	Ventilation louvers are free to operate	
WEEKLY	Excessive water does not appear on the floor	
WEEKLY	Coupling guard in place	
WEEKLY	Heat in pump room is not less than 70° F (21° C) for diesel engine pump without engine heater	
WEEKLY	Pump suction, discharge, and bypass valves are open	
WEEKLY	No piping or hoses leak	
WEEKLY	Fire pump leaking one drop of water per second at seals	
WEEKLY	System line pressure is within an accessible range	
WEEKLY	Suction line pressure is within an accessible range	
WEEKLY	Suction reservoir is full	
WEEKLY	Wet pit suction screens are unobstructed and in place	



WEEKLY	Waterflow test valves are in closed position, hose connection valve is closed, and the line to test valves is free of water.	
WEEKLY	Diesel fuel tank is at least 2/3 full	
WEEKLY	Controller selector switch is in "auto" position	
WEEKLY	Voltage readings for two batteries are within an acceptable range	
WEEKLY	Charging current readings are within acceptable range for batteries	
WEEKLY	Pilot lights for batteries are "on" or battery failure pilot lights are "off"	
WEEKLY	All alarm pilot lights are "off"	
WEEKLY	Record engine running time from meter	
WEEKLY	Oil level is within acceptable range in right angle gear drive pumps	
WEEKLY	Crankcase oil level is within acceptable range	
WEEKLY	Cooling water level is within acceptable range	
WEEKLY	Electrolyte level in batteries is within acceptable range	
WEEKLY	Battery terminals are free of corrosion	
WEEKLY	Water-jacket heater is operational	
ANNUAL	Test main relief valve	
ANNUAL	Check exhaust system and drain condensate trap	

<b>GENERAL INSPECTION COMMENTS</b>



**TESTING**

		RESULTS YES/NO/NA
<b>WEEKLY</b>	Pertinent notifications made before testing	
<b>WEEKLY</b>	Fire pump in service	
<b>WEEKLY</b>	Pump operates for 30 minutes?	
<b>WEEKLY</b>	Record pump's highest and lowest pressure on the fire pump control log.	
<b>WEEKLY</b>	Record pressure switch or pressure transducer and compare with pump discharge gauge	
<b>WEEKLY</b>	Check packing gland tightness (slight leak at no flow)	
<b>WEEKLY</b>	Adjust gland nuts if necessary	
<b>WEEKLY</b>	Check packing boxes, bearings or pump casing for overheating	
<b>WEEKLY</b>	Check for unusual noise or vibration	
<b>WEEKLY</b>	Circulation (casing) relief valve functions correctly	
<b>WEEKLY</b>	Record time for diesel engine to crank <ul style="list-style-type: none"> <li>• Time:</li> </ul>	
<b>WEEKLY</b>	Record time for diesel engine to reach running speed <ul style="list-style-type: none"> <li>• Time:</li> </ul>	
<b>WEEKLY</b>	Check oil pressure gauge, speed indicator, and water and oil temperatures while engine is running	
<b>WEEKLY</b>	Check heat exchanger for cooling water flow	
<b>WEEKLY</b>	Operate speed governor (internal combustion engines only)	
<b>ANNUAL</b>	Test main relief valve	
<b>ANNUAL</b>	Diesel fuel	
<b>ANNUAL</b>	Fuel pump alarm signals	
<b>ANNUAL</b>	Tank vent and overflow piping unobstructed	
<b>ANNUAL</b>	Check exhaust system for excessive backpressure	
<b>ANNUAL</b>	Supervisory signal for high cooling water temperature	

<b>WEEKLY/MONTHLY TEST READINGS</b>			
<b>Fire Pump</b>		<b>Pump Churn</b>	
Start Pressure	psi	Suction Pressure Before Test:	psi
Stop Pressure	psi	Discharge Pressure Before Test:	psi
<b>Jockey Pump</b>			
Start Pressure	psi	Suction Pressure During Test:	psi
Stop Pressure	psi	Discharge Pressure During Test:	psi

<b>GENERAL TESTING COMMENTS</b>



**MAINTENANCE/CLEANING**

		RESULTS YES/NO/NA
<b>ANNUAL</b>	Active fuel maintenance system	
<b>ANNUAL</b>	Change fuel filter every 50 operating hours or annually	
<b>ANNUAL</b>	Oil change (50 hour max)	
<b>ANNUAL</b>	Oil filter(s) (50 hour max)	
<b>ANNUAL</b>	Replace circulating water filter	
<b>ANNUAL</b>	Check specific gravity, state of charge, and charger rates for battery system	
<b>ANNUAL</b>	Clean terminals	
<b>ANNUAL</b>	Check battery cranking voltage exceeds 9 volts for a 12 volt system and 18 volts for a 24 volt system	

GENERAL MAINTENANCE COMMENTS

ANNUAL PERFORMANCE TEST							
Flow	Suction Pressure (PSI)	Discharge Pressure (PSI)	Net Pump Pressure (PSI)	Pump Speed (RPM)	Volts	Amps	Actual Flow (GPM)
Churn 0%							
Rated 100%							
Peak 150%							
Notes on Test:							

DEFICIENCIES		
Severity	Description of the issue	Take a picture of the issue

**CLOSING**

Date & Time Complete		Tech Name	
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**SFZ, INC**  
FIRE AND LIFE SAFETY

**Inspection, Testing & Maintenance  
of Diesel Fire Pumps**

Tech Signature		License/ Certification	
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