

**FIRE PUMP SYSTEM STANDARD PREVENTATIVE MAINTENANCE CHECK LIST**

**Coverage:**

Coverage will include one (1) scheduled annual PUMP CHEK inspection on the above equipment. Each visit includes up to 4 hours of labor (parts are extra). Any additional work beyond the contracted hours of labor would be billed at our standard Time & Material rate. \*Does not include any applicable Sales Tax\*

**STH AGREES TO:**

- Perform a simulated emergency to check the proper automatic operation of the listed equipment.
- Drop the pressure on the discharge side of the pump.
- Insure pressure switch initiates fire pump operation.
- Interrupt the primary power source to check automatic transfer switch operation (if applicable).
- Insure sensors bring on the emergency power (if applicable).
- Restore pressure to discharge side of pump to check proper automatic shut-down.

**Jockey Pump:**

- \* Check performance of pump:
- \* Check amperage draw.
- \* Test pump pressure.
- \* Check and adjust proper "on-off" pressure settings.
- \* Record pressure settings. \_\_\_\_\_
- \* Check for leaks in the mechanical seals.
- \* Check motor bearings and lubricate as necessary.
- \* Confirm check-valve(s) are holding properly.
- \* Check Casing Relief Valve Operation
- \* Check how often JP comes on \_\_\_\_\_ / Hour

**Fire Pump:**

- \* Check performance of pump:
- \* What is the "Churn" Pressure? Suction \_\_\_\_\_ Dischg \_\_\_\_\_ Net \_\_\_\_\_
- \* Check and adjust proper "on-off" pressure settings.
- \* Record pressure settings. \_\_\_\_\_
- \* Check pump/motor coupling and alignment.
- \* Check pump/motor mounting and bolts.
- \* Check and adjust packing.
- \* Check drip cups.
- \* Check bearing temperatures and lubricate as necessary.

- \* Check and adjust relief valves.
- \* Check minimum run timer settings.
- \* Check Casing Relief Valve Operation

**Controller(s):**

- \* Check start relays for chattering and contacts for pitting.
- \* Verify the voltage on all three (3) phases.
- \* Operational check of automatic start and manual start..
- \* Check operation of alarms.
- \* Check all electrical connections.
- \* Check all status lighting.
- \* Check mechanical condition of emergency run handle, locks, and switches.
- \* Check Auto Transfer to and from Emergency
- \* Check on Joslyn Clark units the Start/Run Transition

**Diesel Engines:**

- \* Check fuel tank and supply lines.
- \* Check antifreeze condition and freeze protection temperature.
- \* Check oil condition and level.
- \* Check battery condition and electrolyte level.
- \* Check engine mounting for condition and security.
- \* Check exhaust system for condition.

Check engine for:

- Correct operating speed.
- Operating temperature.
- Correct oil pressure.

**System Connections:**

- \* Verify that ALL suction valves are properly set.
- \* Check piping connections and general condition.
- \* Check all wiring for condition and tight connections.
- \* Check for Restricted Unions in both JP & FP. Are they installed Horizontally?
- \* **There is an additional charge for all parts used and for labor beyond 4 hours per visit.**

Job Name: \_\_\_\_\_ Company: \_\_\_\_\_

Site Address: \_\_\_\_\_

Site Contact: \_\_\_\_\_ Phone: \_\_\_\_\_ Email: \_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_\_\_