



STH, INC.

Shafer, Troxell & Howe, Inc.
Manufacturers' Representative
Since 1973

THE ANNUAL PREVENTIVE MAINTENANCE
PROGRAM THAT PAYS FOR ITSELF



PROVIDING SOLUTIONS THROUGH SYSTEM APPLICATION ANALYSIS, SALES AND SERVICE OF ENGINEERED PRODUCTS

FIRE PUMP & CONTROLLER

Coverage: Coverage will include two (2) complete scheduled semi-annual **PUMP CHEK** inspections on the above equipment. Each visit includes 4 hours of Labor and a Travel Charge (Parts are extra). Any additional work beyond the contracted 4 hours of labor would be billed at our standard Time & Material rates.

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:
- Check amperage draw.
- Test & Record pump suction and discharge pressures in "churn". Churn _____
- 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.**

- ◆ **PUMP CHEK will renew automatically unless cancelled by customer within 30 days of renewal date.**