

Monthly Fire Pump Churn Test Procedure

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BEFORE PUMP IS OPERATED

- ► Fire pump churn test log should be used to verify test *form on reverse side*.
- ▶ Notify alarm company of pending churn test.
- ► Shut off jockey pump.
- ► Check drip pockets under packing gland for proper drainage.
- ► Check packing adjustment approximately one drop per second is necessary to keep packing lubricated.
- ► Confirm fire pump is in automatic mode.

START PUMP FOR CHURN TEST

- ▶ Open small pet cock valve on side or under pump controller to begin pressure drop. Keep valve open until pump starts automatically.
- ▶ **PRECAUTION:** Attach small drain hose to pet cock valve or place five-gallon container under the valve to catch the discharged water.
- ► Close pet cock valve once pump starts.

WHILE PUMP IS OPERATING

- ▶ Read suction and discharge gauges difference between these readings indicates churn pressure, which should match churn pressure as shown on pump nameplate (record on test sheet).
- ▶ Observe packing glands for proper leakage for cooling of packing (note on test sheet).
- ▶ Observe discharge from casing relief valve adequate flow keeps pump case from overheating (note on test sheet).
- ► Allow pump to run for seven (7) minutes.
- ► Shut pump off after seven (7) minutes.
- ▶ Note on test sheet if no adverse conditions were found during the test.

AFTER CHURN TEST IS COMPLETED

- ▶ Reset fire pump to automatic mode.
- ▶ Reset jockey pump to automatic mode.
- Notify alarm company that test is completed; return fire pump alarms to service.
- ► Test sheet shall be dated and signed by test personnel.
- Adverse conditions shall be brought to attention of facility manager.

MONTHLY FIRE PUMP CHURN TEST LOG

| MONTHLY FIRE PUMP CHURN TEST LOG Site and Location | | | | | | | | | | |
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