



HIGH PRESSURE POWER BOILER LOG

ADDITIONAL LOG(S) REQUEST TO: Engineering Department, The Hartford Steam Boiler Inspection and Insurance Co.
 One State Street, P.O. Box 5024
 Hartford, CT 06102-5024

NOTE: In addition to the checks and tests listed here, the Monthly Check List for High Pressure Boilers (on reverse side) must be completed on last form used each month.

Please specify which log and how many copies per log.

MANUFACTURER

BOILER NUMBER

DATE

24-HOURLY READINGS - CHECK AND RECORD HOURLY

TIME OF DAY	WATER LEVEL	PRESSURE		TEMPERATURE			WATER	FEED PUMP	CONDENSATE TANK	Burner Operation	Fuel Supply	REMARKS
		Steam	Feed Pump	Feed Water	Conden- sate	Flue Gas						
12:00												
1:00												
2:00												
3:00												
4:00												
5:00												
6:00												
7:00												
8:00												
9:00												
10:00												
11:00												
12:00												
1:00												
2:00												
3:00												
4:00												
5:00												
6:00												
7:00												
8:00												
9:00												
10:00												
11:00												

TEST EVERY 8 HOURS

CHECK EVERY 4 HOURS

CHECK EACH SHIFT

INST. Continued safe operation of a boiler depends on regular maintenance and testing of the boiler and its operating protective controls. The tests and checks outlined above are designed to determine whether or not the boiler and controls are in good operating condition.

Should any check or test indicate that the device being tested or observed is not in good operating condition it should be repaired immediately. Record repairs or changes under "remarks" so that a complete record will be available for review at any time.

The log reviewer should enter his Name, Title, and Date log was reviewed in space provided below. The log reviewer should not be the same individual who fills this log on an hourly basis.

LOG REV. LOG REVIEWED BY (Name & Title) _____ DATE REVIEWED _____

TO TEST WATER COLUMN AND GAGE GLASS - open drain valve quickly and flush water from glass and column. When drain is closed water level should recover promptly.

LOW WATER FUEL CUT-OFF AND WATER LEVEL CONTROL - drain float chamber when firing equipment is operating. Proper operation of the control should shut off the firing equipment and start feed pump.

If controls are of probe or other type that require lowering of water level in boiler to test, DO NOT lower level to point below bottom of gage glass.



MONTHLY CHECK LIST for High Pressure Boilers

INSTRUCTIONS:

1. In addition to the checks and tests listed on the daily (form 1467) or hourly (form 2055) log sheets, the following checks should be made on a monthly basis.
2. Enter date when the test or maintenance procedure detailed below, has been completed.

MANUFACTURER	BOILER NUMBER	LOCATION
		MONTH

DATE PROCEDURE COMPLETED	DESCRIPTION OF PROCEDURE	DATE PROCEDURE COMPLETED	DESCRIPTION OF PROCEDURE
	<p>SAFETY VALVE</p> <p>To check the safety valve, pull try lever to open position with steam at full pressure. Release to allow valve to snap closed.</p>		<p>CHECK BOILER and SYSTEM for LEAKAGE or DEFECTS</p> <p>The boiler and its entire system should be given a careful and complete check at regular intervals for leakage or other defects at pipe connections, flanges, traps and valves. In the interest of safe and reliable service, any unsatisfactory condition should be noted and corrected.</p>
	<p>DISMANTLE LOW WATER FUEL CUT-OFF</p> <p>The low water fuel cut-off should be dismantled for complete overhaul at regular intervals, and all the internal and external mechanism (including linkage, contacts, mercury bulbs, floats and wiring) should be carefully checked for defects. See manufacturers instructions and recommendations.</p>		<p>SERVICE STOKER, OIL or GAS BURNER CONTROLS</p> <p>The stoker, oil or gas burner controls should be thoroughly checked at least monthly. In general this service should be obtained from a reliable outside service organization. If serviced by the operator, a complete record of work done should be entered on the log. See manufacturers instructions and recommendations.</p>
	<p>CLEAN FIRE SIDE OF BOILER</p> <p>The fire side of the boiler should be cleaned at least monthly. At the time of this cleaning, all brick work and refractory should be checked and repaired as needed.</p>		<p>CHECK LOW WATER FUEL CUT-OFF</p> <p>The low water fuel cut-off should be checked at least monthly by actually lowering the water level in the boiler slowly to simulate a developing low water condition. Caution! Do not lower water level below bottom of Water gage glass. Should cut-off not function properly under this test, it must be immediately overhauled and placed in operating condition.</p>
	<p>WASH OUT BOILER</p> <p>The internal surfaces of the boiler should be checked at regular intervals to determine if scale or corrosion is present. Contact your boiler inspector if any unusual condition is noted. Length of time between washouts should be varied in accordance with conditions noted at time of washout.</p>		

COMMENTS	