



# HIGH PRESSURE POWER BOILER LOG

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

**NOTE:** In addition to the checks and tests listed here, the Check List for High Pressure Boilers (on reverse side) must be completed as well.

MANUFACTURER

BOILER NUMBER

LOCATION

WEEK BEGINNING

## CHECK OR TEST RECORD TWICE DAILY

DAY AND TIME	WATER						PRESSURE		TEMPERATURE		BURNER/STOKER OPERATIONS	FUEL SUPPLY	WATER TREATMENT	BOILER BLOW DOWN	FEED WATER MAKE-UP	OPERATOR ON DUTY	REMARKS
	Level	Low Water Cut-off	Level Control	Column	Gage Glass	Feed Pump	Conden-sate Tank	Steam	Feed Pump	Feed Water							
MONDAY	A.M.																
	P.M.																
TUESDAY	A.M.																
	P.M.																
WEDNESDAY	A.M.																
	P.M.																
THURSDAY	A.M.																
	P.M.																
FRIDAY	A.M.																
	P.M.																
SATURDAY	A.M.																
	P.M.																
SUNDAY	A.M.																
	P.M.																

**INSTRUCTIONS**  
 Continued safe operation of a boiler depends on regular maintenance and testing of the boiler and its operating and 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 include 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.

**TESTING**  
**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.



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# CHECKLIST 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 periodic basis. More frequent checks and tests may be required according to the particular conditions noted.
2. Enter date when the test or maintenance procedure detailed below, has been completed.

MANUFACTURER

BOILER NUMBER

LOCATION

DATE PROCEDURE COMPLETED	DESCRIPTION OF PROCEDURE	DATE PROCEDURE COMPLETED	DESCRIPTION OF PROCEDURE
	<p><b>SAFETY VALVE (monthly)</b></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><b>DISMANTLE LOW WATER FUEL CUT-OFF (at least annually)</b></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 manufacturer's instructions and recommendations.</p>		<p><b>CHECK BOILER and SYSTEM for LEAKAGE or DEFECTS (semiannually)</b></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><b>CLEAN FIRE SIDE OF BOILER (annually)</b></p> <p>The fire side of the boiler should be cleaned at least annually. At the time of this cleaning, all brick work and refractory should be checked and repaired as needed.</p>		<p><b>SERVICE STOKER, OIL or GAS BURNER OPERATING CONTROLS</b></p> <p>The stoker, oil, or gas burner controls should be thoroughly checked at least annually. High limit controls should also be checked annually. Safety controls such as flame failure should be checked weekly. In general this service should be obtained from a reliable outside service organization. If service by the operator, a complete record of work done should be entered on the log. See manufacturer's instructions and recommendations.</p>
	<p><b>WASH OUT BOILER (annually)</b></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>		<p><b>CHECK LOW WATER FUEL CUT-OFF (weekly)</b></p> <p>The low water fuel cut-off should be checked at least weekly by actually lowering the water level in the boiler slowly to simulate a developing low water condition. <b>Caution! Do not lower water level below bottom of Water gage glass.</b> Should cut-off not function properly under this test, it must be immediately overhauled and placed in operating condition.</p>

COMMENTS