



Historical/Hobby Boiler In-service Inspection Requirements

Tag Number Make Year Engine No.

Owner

Heating Surface Design Pressure

Current Operating Pressure

Safety Valve(s) Setting Total Safety Valve Capacity

The following examinations and tests shall be performed while the boiler is in operation:

- a) Two independent means of boiler feed water delivery systems shall be demonstrated to the Inspector. Observance to be performed at an operating pressure no less than 90% of the safety valve set point of the boiler. If the boiler is equipped with more than one feed-water tank, each feed-water device must be able to take water out of either feed-water tank. Pumped feed-water shall be preheated prior to entering the boiler.
- b) Demonstration of try cocks that show a level of water that correlates with that shown in the gage glass.
- c) Demonstration of operating gage glass upper and lower shutoff valves.
- d) Demonstration of an operating gage glass blow-down valve.
- e) Check that the gage glass is visually clear and fully operational.
- f) Visual inspection for leaks.
- g) Safety valves shall be tested by having the operator raise boiler pressure to the safety valve popping point. Popping point pressure and blow-down will be observed to ensure they are within tolerances (see S2.8). 2% to 4% not to exceed 6% of set pressure. Alternatively, a certification acceptable to the jurisdiction may be used for verification of set pressures...
- h. Blow-off valve(s) tested as operational and discharging to a safe location.
- i. Operation of the steam engine by the operator satisfactory, this may include a driving test.
- j. The external operating test to be recorded in the boiler records (boiler log).

NOTES: