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## HOUSE BILL NO. 1372

House Amendments in [ ] — February 7, 2000

A *BILL to amend and reenact § 40.1-51.19:3 of the Code of Virginia and to amend the Code of Virginia by adding a section numbered 40.1-51.19:4.1, relating to antique and model boilers.*

Patrons—Armstrong and Day; Senator: Reynolds

Referred to Committee on General Laws

**Be it enacted by the General Assembly of Virginia:**

**1. That § 40.1-51.19:3 of the Code of Virginia is amended and reenacted and that the Code of Virginia is amended by adding a section numbered 40.1-51.19:4.1 as follows:**

§ 40.1-51.19:3. Inspection and testing.

A. An antique or model boiler shall be inspected every two years. It shall be the duty of the owner of any antique or model boiler to obtain and display an inspection certificate.

B. The inspection of every antique or model boiler shall include an examination of or for the following:

1. The fusible plug, *if provided in the original design.*

2. The safety valve or valves. Such valve or valves shall be (i) [ ~~rated by the American Society of Mechanical Engineers (ASME)~~, (ii) ] set at or below the maximum allowable working pressure; and [ ~~(iii)~~ (ii) ] sealed in a manner that does not allow tampering with the valve without destroying the seal.

3. Internal corrosion.

4. Leakage.

5. The boiler power piping, up to and including the first valve.

C. An antique or model boiler shall be subjected to nondestructive testing, at the owner's expense, to determine the maximum allowable working pressure in accordance with Boiler and Pressure Vessel rules and regulations (16 VAC 25-50-10 et seq.).

D. All antique and model boilers shall pass a hydrostatic test at one and one-half maximum allowable working pressure, conducted in the presence of an inspector, at the time of certification and as frequently as deemed necessary based on inspections or other evidence. An antique or model boiler that does not meet the requirements of the ASME code and is not certified in the Commonwealth, shall, at the owner's expense, be tested to twice the maximum allowable working pressure and, to be operated, shall have a successful (i) complete radiographic or ultrasonic examination of the long or longitudinal seam; (ii) ultrasonic examination for metal thickness, and for the purpose of calculating the maximum allowable working pressure, the thinnest reading shall be used; and (iii) dye penetrant *or magnetic particle* examination for cracks with a ~~magnetic particle~~, an ultrasonic, or radiographic examination of areas where ~~dye penetrant~~ testing shows possible cracks.

The requirements of this subsection for *testing to twice the maximum allowable working pressure or full radiographic or ultrasonic examination* may be waived after the initial inspection if the inspector finds that the general standards of subsection B are met and the safety valve or valves are set at the maximum allowable working pressure determined by calculations from the ultrasonic results, or 100 pounds per square inch, whichever is lower.

§ 40.1-51.19:4.1. *Variances.*

*The Commissioner may, pursuant to subdivision 9 of § 40.1-6, allow a variance from the requirements of this article, upon application, provided the applicant proves by clear and convincing evidence that his antique or model boiler meets substantially equivalent construction and operating criteria and standards.*

ENGROSSED

HB1372E