

**FORM H-5 MANUFACTURER'S MASTER DATA REPORT FOR BOILERS
CONSTRUCTED FROM CAST IRON
As Required by the Provisions of the ASME Code Rules, Section IV**

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1. Manufactured and certified by _____
(name and address of manufacturer) (foundry identification)

2. Boiler type or model no. _____

3. Boiler section data:

Section Designation (list each individual section in boiler assembly)	Pattern and/or Part No.	Metal Thickness According to Drawing
(a) _____	_____	_____
(b) _____	_____	_____
(c) _____	_____	_____
(d) _____	_____	_____
(e) _____	_____	_____

4. Boiler section bursting data:

Bursting Pressure, Metal Thickness Measured at *Break or
Fracture, and Weight of Section*

Section Designation	Test No. 1	Test No. 2	Test No. 3
(a) _____	_____ _____ _____	_____ _____ _____	_____ _____ _____
(b) _____	_____ _____ _____	_____ _____ _____	_____ _____ _____
(c) _____	_____ _____ _____	_____ _____ _____	_____ _____ _____
(d) _____	_____ _____ _____	_____ _____ _____	_____ _____ _____
(e) _____	_____ _____ _____	_____ _____ _____	_____ _____ _____

5. Minimum specified tensile strength _____ .

6. Tensile strength of associated test bars:

Section Designation	Bar for Test No. 1	Bar for Test No. 2	Bar for Test No. 3
(a) _____	_____	_____	_____
(b) _____	_____	_____	_____
(c) _____	_____	_____	_____
(d) _____	_____	_____	_____
(e) _____	_____	_____	_____

7. Specification no. and class of gray iron _____

8. Maximum Allowable working pressure of boiler* _____

*Determined by using formula in HC-402 and by selection of lowest values of bursting pressure from tests recorded in item 4 of this report.

Manufactured by _____

Boiler type or model no. _____

9. Sketch of section with lowest bursting pressure:

Show location of
failure and indicate whether
principally in bending or tension.

10. Examination data:

(a) Test engineer _____
(name)

(b) Certified Individual _____
(name)

(c) Date(s) of destruction tests _____

11. Manufacturer's certification:

Date _____, _____

Certified to be true record

(name and title)

NOTE: Signature of designed responsible engineering head of the manufacturer must be notarized.

12. ASME Certificate of Authorization no. _____ to use the Certification Mark with H designator (cast iron).

Certificate expires _____, _____