

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

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:

Section Designation	Bursting Pressure, Metal Thickness Measured at Break or Fracture, and Weight of Section		
	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. of aluminum alloy \_\_\_\_\_

8. Maximum allowable working pressure of boiler<sup>1</sup> \_\_\_\_\_

<sup>1</sup> Determined by using formula in HA-402 and by selection of lowest values of bursting pressure from tests recorded in item 4 of this report.

**FORM H-5A (Back)**

9. Sketch of section with lowest bursting pressure (show location of failure)

10. Examination data:

(a) Test engineer \_\_\_\_\_  
(name)

(b) Witness of test(s) \_\_\_\_\_  
(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 aluminum).

Certificate expires \_\_\_\_\_, \_\_\_\_\_