

**Harsco Industrial
Patterson-Kelley**
100 Burson Street
East Stroudsburg, PA 18301 USA

Phone: 570.421.7500
Fax: 570.421.8735
www.harsconk.com



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To Whom It May Concern:

Subject: Mach Boiler Certification and Data Report Requirements

Harsco Industrial Patterson Kelley's Mach Series Boilers are manufactured and stamped under our ASME Section IV, "H" (Cast Aluminum) Certificate of Authorization # 33,803.

The AH Series boilers are built to ASME Code Case 2382 current code and addenda, ***"Use of Sand Cast Aluminum Alloy EN AC A1Si10Mg(a) F Temper in the Manufacturing of Hot Water Heating Boilers under Part HC Section IV"***.

The balance of the MACH boilers are manufactured per ASME Section IV PART HA and are "H" stamped per our Cast Aluminum Certification #33,803

Boilers manufactured under the "HC or HA" (Cast Iron/Cast Aluminum) Certification do not receive ASME Data Reports for the individual boilers and are not registered with the National Board.

The above requirements are per the ASME Code, Section IV, Part HC and Part HA, paragraph ***HC-403 and HA-404 – Witnessing, Recording and Certifying Test –***

"Tests establishing the design pressure of a boiler part shall be witnessed by a Certified Individual. These bursting tests shall be recorded on the Manufacturer's Master Data Report for boilers constructed from cast iron/cast aluminum as shown in Form H-5/HA-5. The completed form shall be certified by the designated responsible engineering head of the Manufacturer and his signature on the form shall be notarized. These forms shall be kept on file by the Manufacturer as a matter of record."

Note that this is a Master Report, not individual to each boiler.

The requirements of The National Board of Boiler & Pressure Vessel Inspectors may be reviewed on their website, www.nationalboard.org. Click on "Inspectors Guide", then click on "Cast Iron Boilers" or type "Cast Iron Boilers" in the search.

In the Inspector's Guide to Cast Iron Boilers under Description and Overview, paragraph 5, it states that Cast Iron Boilers do not receive National Board numbers and are not registered with the National Board. This rule also applies to the Cast Aluminum Boilers.

I hope this helps to clear up the questions regarding the requirements for the Mach Boilers.

Laureen Pellegrino
Continuous Improvement & Quality Manager