



Patterson-Kelley, LLC  
155 Burson Street  
East Stroudsburg, PA 18301  
Phone: 570.421.7500  
Fax: 570.421.8735  
[www.pattersonkelley.com](http://www.pattersonkelley.com)

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To Whom It May Concern:

Subject: MACH Boiler Certification and Data Report Requirements

Patterson Kelley, LLC 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 AISi10Mg(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 individual boilers and are not registered with the National Board.

The below 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: The Form H-5/HA-5 is a Master Report, not for individual boilers.

The National Board of Boiler & Pressure Vessel Inspectors requirements can be reviewed on their website, [www.nationalboard.org](http://www.nationalboard.org) and type "Cast-Iron Boilers" in the search.

In the 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 answers the questions regarding the requirements for the MACH Boilers.

Jennifer Kihm  
Continuous Improvement & Quality Manager