

Special Interest Articles:

Missing or Illegible Nameplates 1

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1106 Kansas Street, Memphis Tennessee
Phone: (270) 331-0578
Fax: (901) 774-1308

Missing or Illegible Nameplate(s)

This month I would like to briefly discuss Nameplates and what to do if you have a missing or illegible Nameplate.

Nameplates are essential to Pressure Vessels. They are required on all ASME Coded vessels. They give the owner the information as to how the vessel was fabricated, and are a direct link to the U-1 Data Report that is required for all new ASME Coded Vessels.

All new ASME Coded vessel will have the following information, at a minimum, listed on the Nameplate (*in some instances the information is literally stamped on the vessel proper in lieu of a nameplate, however, the standard is to install a nameplate*):

1. Manufacturers Name,
2. Maximum Design Pressure and Temperatures,
3. Minimum Design Temperature,
4. Serial Number,
5. National Board Number,
6. Year Built,
7. Stamp under which the unit was fabricated.

There is more information that will be necessary depending on how the vessel was fabricated; a "W" will be stamped under the fabrication stamp if the vessel is welded, an RT designation if there is x-ray, HT if the unit is post weld heat treated. There are also several different types of Nameplates. (we will cover the different nameplates in another newsletter)

I have attached an example of a Trumbo ASME Nametag for reference.

The image shows a rectangular ASME nameplate for Trumbo, Inc. The top section is titled 'CERTIFIED BY' and features the Trumbo logo and 'MEMPHIS TN'. Below this, there are two columns of technical specifications. The left column includes 'SHELL' with 'INT. 220' and 'EXT. F.V.'; 'TUBE SIZE OR JACKET' with 'INT. 150' and 'EXT. F.V.'. The right column includes 'P.S.I. AT' with 'INT. 400' and 'EXT. 400'. A 'MAX. ALLOWABLE WORKING PRESSURE' section shows '-20' and '220 F.V./150 F.V.'. Below this is 'MIN. DESIGN METAL TEMPERATURE'. The bottom section contains 'SERIAL NO. 4500718702', 'YEAR BUILT 2014', 'P.O. NUMBER', and 'EQUIPMENT NO.'. At the very bottom, it says 'NORTH HB00L CLMN. REBOLLET' and 'LIFTING LUGS ARE DESIGNED TO SET VESSEL INRALLY WHEN EMPTY ONLY'.

If you have a vessel that is missing a Nameplate or the Nameplate is illegible. Part 2, Section 5.2.1 a) of the National Board states: "when the stamping on a pressure retaining item becomes indistinct or the nameplate is lost, illegible, or detached, but traceability to the original pressure retaining item is still possible, the Inspector shall instruct the Owner or user to have the stamped data replaced. All re-stamping shall be done in accordance with the original code of construction, except as modified herein. Request for permission to re-stamp or replace nameplates shall be made to the *Jurisdiction* in which the pressure retaining item is installed. Application must be made on the *Replacement of Stamped Data Form*, NB-136 (see NBIC Part 2, 5.3.2) Proof of the original stamping and other such data, as is available, shall be furnished with the request. Permission from the *jurisdiction* is not required for the reattachment of nameplates that are partially attached.

b) When there is no jurisdiction, the replacement of stamped data shall be authorized and witnessed by a National Board Commissioned Inspector and the completed Form NB-136 shall be submitted to the National Board."

National Board-5.2.2 Replacement of Stamped Data is as follows:

- a) The re-stamping or replacement of data shall be witnessed by a National Board Commissioned Inspector and shall be identical to the original stamping.
- b) The re-stamping or replacement of a code symbol stamp shall be performed *only* as permitted by the governing code of construction
- c) Replacement nameplates shall be clearly marked "*re- placement.*"

National Board-5.2.3 REPORTING

Form NB-136 shall be filed with the Jurisdiction (if required) or the NB by the Owner or user together with a facsimile of the stamping or nameplate, as applied, and shall also bear the signature of the National Board Commissioned Inspector who witnessed the replacement.

NON FERROUS SURCHARGE CHART

Stainless and Nickel prices are mixed for February deliveries. Remember, this chart is for surcharge only, it does not include the base price for materials.

Alloy	Jan	Feb	March	April	May	June	July	Aug	Sept
2205	0.3715	0.385							
304 CLAD	0.1723	0.1752							
304/304L	0.3352	0.3321							
304H	0.3352	0.3321							
304LN	0.3352	0.3321							
304N	0.3352	0.3321							
309/309S/309H	0.4592	0.451							
310/310S	0.6373	0.6208							
316/316L	0.4112	0.4155							
316LN	0.4112	0.4155							
316Ti	0.4267	0.4303							
317/317L	0.4724	0.4801							
347	0.6186	0.6145							
AL-6XN Plus	1.0365	1.0024							
alloy 20	1.2687	1.3089							
AL-200 TM	2.5184	2.7585							
Al-400 TM	1.8595	2.014							
Al-600 Tm	2.0577	2.2246							
Altemp 625 In	3.733	3.7687							
Alloy 276	2.9592	2.9126							



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