

Rolled Steel Plates for Boilers and Pressure Vessels

Amended Rules and Guidance

Rules for the Survey and Construction of Steel Ships Part K
Guidance for the Survey and Construction of Steel Ships Part K

Reason for Amendment

In 3.2 and 3.3 of Chapter 3, Part K of the Rules for the Survey and Construction of Steel Ships, requirements related to both rolled steel plates for boilers and rolled steel plates for pressure vessels are specified based upon JIS G 3103 “Carbon steel and molybdenum alloy steel plates for boilers and pressure vessels” and JIS G 3115 “Steel plates for pressure vessels for intermediate temperature service” respectively.

Both JIS G 3103 and JIS G 3115 were reviewed and amended as needed in order to ensure that they remain consistent with relevant ISO and ASTM standards. Accordingly, relevant requirements were amended based upon the latest versions of JIS G 3103 and JIS G 3115.

Outline of Amendment

The main details of the amendment are as follows:

- (1) Amended requirements related to the chemical compositions of rolled steel plates for boilers and pressure vessels.
- (2) Amended requirements related to test sample heat treatments.
- (3) Specified upper limits for the carbon equivalents (C_{eq}) of rolled steel plates for pressure vessels in cases where TMCP is used.
- (4) Clarified the markings to be used for rolled steel plates for pressure vessels heat treated using stress relieving processes.