

Welding Procedure Tests for Secondary Barriers, etc.

Amended Rules and Guidance

Rules for the Survey and Construction of Steel Ships Part GF

Guidance for the Survey and Construction of Steel Ships Parts GF and N

Reason for Amendment

Requirements related to welding procedure tests for cargo tanks, process pressure vessels and secondary barriers of ships carrying liquefied gases in bulk based upon IGC code are specified in Chapter 6 of Part N of the Rules for the Survey and Construction of Steel Ships. Of these, the operation of requirements related to secondary barrier is left to the judgment of each classification. In consideration of the case where a part of the hull structure constitutes the secondary barrier, in principal, requirements related to welding procedure tests for secondary barriers are in accordance with the requirements of Chapter 4 of Part M.

From the viewpoint of function, toughness level to be secured by the secondary barrier is considered that there is no problem as equivalent level to the primary barrier such as cargo tank according to IGC code. Accordingly, relevant requirements were amended in order to clarify the handling to match the test temperature of impact tests for the secondary barrier to the primary barrier.

Since the same requirements are specified for ships using low-flashpoint fuels, relevant requirements of Part GF were also amended based on the above principle.

Outline of Amendment

- (1) Amended requirements related to the test temperature of impact tests for welding procedure tests for secondary barriers.
- (2) Amended requirements related to the test temperature of impact tests for production weld tests for cargo tanks, process pressure vessels and secondary barriers.

Amended Requirements

Rules for the Survey and Construction of Steel Ships

Part GF: Table GF7.5

Guidance for the Survey and Construction of Steel Ships

Part GF: GF16.3.3, GF16.3.4, GF16.3.5

Part N: N6.5.3, N6.5.4, N6.5.5