

Cargo Piping of Ships Carrying Dangerous Chemicals in Bulk

Amended Rules and Guidance

Rules for the Survey and Construction of Steel Ships Part D

Guidance for the Survey and Construction of Steel Ships Parts D and S

Guidance for the Approval and Type Approval of Materials and Equipment for Marine Use

Reason for Amendment

Part S of the Guidance for the Survey and Construction of Steel Ships (hereinafter, referred to as “the Guidance”) specifies that materials used for pipe joints of cargo lines in type I and type II ships are, as a rule, to comply with relevant requirements in Part K of the Rules for the Survey and Construction of Steel Ships (hereinafter, referred to as “the Rules”). At the same time, it specifies that materials complying with JIS or equivalent standards may be used for such pipe joints.

Part D of the Guidance specifies that materials complying with national standards such as JIS may be used for welded type pipe joints for which hot forming or heat treatment is carried out during the manufacturing process provided that they receive approval of use from the Society in accordance with the Guidance for the Approval and Type Approval of Materials and Equipment for Marine Use.

Relevant requirements were amended to clarify that Part S of the Guidance allows the use of materials complying with JIS or equivalent standards for pipe joints provided that they satisfy relevant requirements in Part D of the Guidance. In addition, relevant requirements are amended to clarify the scope of application for requirements related to tests (such as non-destructive tests, hydraulic tests) of piping used for the cargo lines of ships carrying dangerous chemicals in bulk.

Outline of Amendment

The main contents of this amendment are as follows:

- (1) Specified that materials complying with JIS or equivalent standards may be used for pipe joints for which hot forming or heat treatment is carried out during the manufacturing process in accordance with the requirements of D12.6.1-1(1)(a)ii), Part D of the Guidance which are used for the cargo lines of type I and type II ships carrying dangerous chemicals in bulk provided that said pipe joints receive approval of use from the Society in accordance with the Guidance for the Approval and Type Approval of Materials and Equipment for Marine Use.
- (2) Specified that the scope of application of non-destructive tests for cargo piping of type I and type II ships carrying dangerous chemicals in bulk covers all welded joints between pipes, pipes and valves (or cocks), and pipes and fittings.

Amended Requirements

Rules for the Survey and Construction of Steel Ships

Part D: 14.6.2

Guidance for the Survey and Construction of Steel Ships

Part D: D12.1.6, D12.3.4, D12.6.1,

Part S: Table S5.4.1-2

Guidance for the Approval and Type Approval of Materials and Equipment for Marine Use

Part 6: 12.1.1, 12.5.1