

Corrosion Resistant Steel for Cargo Oil Tanks

Amended Rules and Guidance

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

Guidance for the Survey and Construction of Steel Ships Part C and M

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

Reason for Amendment

Amendments to SOLAS which require that all of the cargo oil tanks of crude oil tankers not less than 5,000 tonnes deadweight engaged in international voyages be protected by coatings in accordance with the IMO Performance Standard for Protective Coatings for Cargo Oil Tanks (IMO Resolution MSC.288(87)) or by alternative means (corrosion resistant steel) in accordance with the IMO Performance Standard for Alternative Means of Corrosion Protection for Cargo Oil Tanks (IMO resolution MSC.289(87)) were adopted by IMO.

In addition to the above, IACS, using the “Guidelines on Corrosion Resistant Steel for COT” issued by the Society as reference, is currently developing the Unified Requirement and Unified Interpretation for the purpose of establishing specific approval standards for corrosion resistant steel used as alternative means.

The aforementioned SOLAS amendments are applicable to ships for which the building contract is placed on or after 1 January 2013 or the delivery of which is on or after 1 January 2016. Therefore, relevant requirements related to the approval of corrosion resistant steel for cargo oil tanks have been prepared based on the latest draft versions of IACS Unified Requirement and Unified Interpretation so as to correspond with such SOLAS amendments in advance.

Outline of Amendment

- (1) Requirements related to applicable thickness, kinds and chemical composition have been specified as additional requirements for the corrosion resistant steel for cargo oil tanks.
- (2) Requirements related to documents to be submitted for approval and the procedures of corrosion resistance test, etc. have been specified as requirements for the approval of manufacturing process of corrosion resistant steel for cargo oil tanks.
- (3) It has been specified that brand names of corrosion resistant steel for cargo oil tanks and chemical composition of elements to be added for improving corrosion resistance are to be included on test certificates (mill sheets).
- (4) It has been specified that brand names of corrosion resistant steel for cargo oil tanks and brand names of applicable welding consumables are to be included in welding application plans.
- (5) It has been specified that in cases where welding consumables other than those applicable are applied to corrosion resistant steel for cargo oil tanks, coatings in accordance with IMO PSPC are to be applied to the concerned welded parts.