

Non-destructive Inspections on the Welded Joints of Hull Constructions

Amended Guidance

Guidance for the Survey and Construction of Steel Ships Part M

Reason for Amendment

In 1.4.2-1(2), Part M of the Rules for the Survey and Construction of Steel Ships, it is specified that the welded joints of hull constructions are to be confirmed, by visual inspection, to be free from harmful surface imperfections and that Surveyors may require magnetic particle examinations or liquid penetrant examinations in cases where deemed necessary.

However, the details of such magnetic particle examinations or liquid penetrant examinations are not specified in the Rules. Therefore, the requirements regarding the non-destructive inspections of said welded joints have been specified in reference to IACS Recommendation No.20 (Rev.1).

Furthermore, it has been made clear that Annex M1.4.2-3(1) “GUIDANCE FOR NON-DESTRUCTIVE INSPECTION ON WELDED JOINTS OF HULL CONSTRUCTION” is the requirements for internal imperfections.

Outline of Amendment

- (1) The requirements for magnetic particle examinations and liquid penetrant examinations have been newly established as Annex M1.4.2-2 “GUIDANCE FOR NON-DESTRUCTIVE INSPECTIONS ON SURFACE IMPERFECTIONS OF THE WELDED JOINTS OF HULL CONSTRUCTIONS”.
- (2) It has been clarified that Annex M1.4.2-3(1) “GUIDANCE FOR NON-DESTRUCTIVE INSPECTION ON WELDED JOINTS OF HULL CONSTRUCTION” is the requirements for internal imperfections.