

The Ordinary Surveys of Coupling Bolts to detect Cracks

Amended Rules and Guidance

Rules for the Survey and Construction of Steel Ships Part B

Rules for High Speed Craft

Guidance for the Survey and Construction of Steel Ships Part B

Reason for Amendment

Under the current rules, visual examinations of coupling bolts in open-up examinations are required. However, it is not clearly specified in the current rules whether additional surveys are required in cases where abnormal conditions such as rust on the surface of bolts, etc. are discovered.

Severe coupling bolt damage can interfere with ship navigation and cause serious accidents. In order to prevent such damage from leading to more serious problems, the requirements for coupling bolts surveys have been amended so that coupling bolts are to be examined by the crack detection method, in cases where Surveyors, based on the results of visual examinations, deem such additional testing to be necessary.

Outline of Amendment

It is stipulated that coupling bolts are to be examined by the magnetic particle method, in cases where Surveyors, based on the results of visual examinations performed during open-up examinations, deems such additional testing to be necessary.