

Stern Tube Bearings and Shaft Bracket Bearings

Amended Rules and Guidance

Rules for the Survey and Construction of Steel Ships Part D
Guidance for the Survey and Construction of Steel Ships Part D

Reason for Amendment

IACS Unified Requirement (UR) M52 specifies requirements related to the length of the stern tube bearing. These requirements are already incorporated into ClassNK Rules.

URM52 was established in 1986 and it specifies requirements related to the length of stern tube bearings made out of lignum vitae. Lignum vitae, however, is no longer used for bearings, having been replaced by other materials, which means that some parts of the UR are now outdated with respect to current stern tube bearing designs.

Therefore, IACS deleted the requirements related to the length of the stern tube bearing of lignum vitae and amended UR M52 in order to clearly stipulate requirements related to the length of the water lubricated stern tube bearings. This amendment was then adopted as UR M52 (rev.1).

Accordingly, all relevant requirements are amended based upon UR M52 (rev.1).

In addition, requirements related to the nominal bearing pressure of stern tube bearings specified in Part D of the Guidance were moved to Part D of the Rules as part of a comprehensive review of the ClassNK Rules.

Outline of Amendment

The main contents of this amendment were as follows:

- (1) Deleted requirements related to the length of stern tube bearings made out of lignum vitae.
- (2) Amended relevant requirements in order to clearly stipulate those related to the length of stern tube bearings

Amended Requirements

Rule for the Survey and Construction of Steel Ships
Part D: 6.2.10
Guidance for the Survey and Construction of Steel Ships
Part D: D6.2.10