

Tests for Diesel Engines

Amended Rules and Guidance

Rules for Approval of Manufacturers and Service Suppliers
Rules for the Survey and Construction of Steel Ships Parts B, D, and K
Rules for High Speed Craft
Rules for the Survey and Construction of Inland Waterway Ships
Guidance for the Survey and Construction of Steel Ships Parts B, D, N and, I
Guidance for High Speed Craft
Guidance for the Survey and Construction of Inland Waterway Ships
Guidance for the Approval and Type Approval of Materials and Equipment for Marine Use

Reason for Amendment

IACS has established various unified requirements (UR) related to the construction, trial runs, certification methods, etc. of diesel engines.

Due to recent improvements in manufacturing technology and quality systems, relevant industry requested that IACS review the relevant test procedures, etc. and ensure they reflect current practice. IACS, therefore, conducted a review of all relevant URs in consideration of current manufacturing technology and quality systems as well as recent feedback gained from damage investigations. As a result, IACS URs M5, M6, M14, M18, M19, M21, M23, M32, M50, M51 and M58 were revised and consolidated as IACS URs M51(Rev.4), M71, M72, M73 and Z26, all of which were adopted in February 2015.

In addition to the above, IACS URs M71, M72 and M73 were further reviewed to determine whether additional clarification was needed regarding components subject to hydrostatic tests (UR M72) and scope of application (URs M71 and M73). As a result, revised versions of these three URs were adopted respectively as IACS UR M72(Corr.1) in August 2015, and as IACS URs M71(Corr.1) and M73(Corr.1) in June 2016.

Accordingly, relevant requirements are amended in accordance with IACS URs M51(Rev.4), M71(Corr.1), M72(Corr.1), M73(Corr.1) and Z26.

Outline of Amendment

- (1) Amended procedures for the shop tests and shipboard trials of diesel engines.
- (2) Amended procedures for the type approval of diesel engines.
- (3) Amended requirements related to material tests, non-destructive tests and hydrostatic tests for the components of diesel engines.
- (4) Amended procedures for the shop tests of exhaust driven turbochargers.
- (5) Amended procedures for the approval of mass produced diesel engines and exhaust driven turbochargers.