

Use of Materials other than Steel on Engine

Amended Rules and Guidance

Rules for the Survey and Construction of Steel Ships Part R
Rules for the Survey and Construction of Inland Waterway Ships
Guidance for the Survey and Construction of Steel Ships Part R
Guidance for the Survey and Construction of Inland Waterway Ships

Reason for Amendment

SOLAS II-2/Reg.4 is intended to prevent the ignition of combustible materials or flammable liquids. It specifies that the valves and fittings of fuel oil piping systems, etc. are to be constructed steel or other Administration approved materials in order to prevent fires resulting from the leakage of fuel oil or any other flammable oils used by such systems. It was unclear, however, on how the aforementioned requirements were to be applied to aluminium alloys when they were used as materials other than steel in such systems.

In recent years, the use of materials other than steel such as aluminium alloy for the components of medium and high speed engines has been a topic of much discussion. In order to clarify the handling of such materials, IACS requested that the IMO develop a unified interpretation to clearly specify the requirements applicable to materials other than steel such as aluminium alloys, etc.

In response to this request, the IMO deliberated on the matter at the 2nd session of the IMO Sub-Committee on Ship Systems and Equipment (SSE2) held in March 2015, and a unified interpretation intended to clearly specify the applicable requirements for materials other than steel such as aluminium alloys, etc. was approved at the 96th Session of the IMO Maritime Safety Committee (MSC96) held in May 2016 and it is currently circulating as MSC.1/Circ.1527.

Accordingly, relevant requirements were amended in accordance with MSC.1/Circ.1527.

Outline of Amendment

Specifies the applicable requirements for materials other than steel are used for internal pipes and components of engine, turbine and gearbox.

Amended Requirements

Rules for the Survey and Construction of Steel Ships
Part R: 4.2.2
Rules for the Survey and Construction of Inland Waterway Ships Part 9 3.2.2
Guidance for the Survey and Construction of Steel Ships
Part R: R4.2.2, R10.5.5
Guidance for the Survey and Construction of Inland Waterway Ships Part 9 3.2.2