

Electrical Equipment installed in Zone 1 Hazardous Areas of Oil Tankers, etc.

Amended Rules

Rules for the Survey and Construction of Steel Ships Part H

Reason for Amendment

The use of increased safety type explosion-proof electric equipment, etc. in shore based facilities is currently permitted under IEC and JIS standards; therefore, quite a lot of such electric equipment is being utilized. Similarly, the aforementioned standards also permit the installation of said increased safety type explosion-proof electric equipment, etc. in the Zone 1 hazardous areas of oil tankers, etc. Furthermore, the installation of increased safety type explosion-proof electric equipment, etc. in the vehicle spaces and RO-RO spaces of car carriers (spaces that correspond to Zone 1 hazardous areas) is recognized in interpretations of an IACS' UI and the ClassNK Rules.

In response to the above and so that the use of increased safety type explosion-proof electric equipment, etc. may be acceptable according to the ClassNK Rules, the relevant requirements are amended to reference IEC and JIS standards.

Outline of Amendment

It is specified that explosion-proof electric equipment, such as increased safety type, encapsulation type, powder filling type and oil immersion type, can be used as electric equipment installed in the Zone 1 hazardous areas of oil tankers, etc.