

Approval of Use for Oil Mist Detection Arrangements

Amended Guidance

Guidance for the Approval and Type Approval of Materials and Equipment for Marine Use

Reason for Amendment

IACS Unified Requirement (UR) M67 is related to the crankcase oil mist detection arrangements for diesel engines. The requirements in UR M67 have already been incorporated into the relevant Part of the ClassNK Rules.

Approval tests for oil mist detection arrangements require the artificial generation of oil mist to confirm the performance of the device. However, such tests may pose a danger to persons conducting or observing the test because of the toxicity and flammability of the generated oil mist.

IACS examined the possible hazards associated with the generation of said oil mist and, as a result, established relevant requirements which state that sufficient precautions are to be taken to prevent accidents. Additionally, IACS revised the items of approval tests to allow for more detailed confirmation of the performance of oil mist detection arrangements. IACS adopted the aforementioned requirements in February 2015 as UR M67 (Rev.2).

Accordingly, related requirements were amended based upon UR M67 (Rev.2).

Outline of Amendment

- (1) Specified that possible hazards associated with the generation of oil mist during Approval of Use tests are to be considered and that sufficient precautions are to be taken.
- (2) Specified that the selection of the oil to be used for such tests is to take into consideration any risks to health and safety and that the an SAE 40 monograde mineral oil or equivalent is to be used to generate the oil mist.
- (3) Added range, resolution, sensitivity, etc. as items to be verified during functional tests.
- (4) Added arrangement specifications stated by oil mist detector manufacturers to the items to be included in test reports.