

SC228 Machinery shutoff arrangements - Oil mist detector arrangements

(Dec 2008)

SOLAS Regulation II-1/27.5: Machinery – Automatic shutoff arrangements:

“Main turbine propulsion machinery and, where applicable, main internal combustion propulsion machinery and auxiliary machinery shall be provided with automatic shutoff arrangements in the case of failures ... which could lead rapidly to ... serious damage or explosion. The administration may permit overriding automatic shutoff devices.”

Interpretation

The OMD arrangements (or engine bearing temperature monitors or equivalent devices) are part of the automatic shutoff arrangements required by SOLAS Reg. II-1/27.5, in the case of medium and high speed diesel engines of 2,250 kW and above or having cylinders of more than 300 mm bore.

For the case of low speed diesel engines of 2,250 kW and above or having cylinders of more than 300 mm bore, the OMD arrangements (or engine bearing temperature monitors or equivalent devices) are to initiate the alarm and slow down procedures.

The consequences of overriding automatic shutoff arrangements are to be established and documented.

Note:

1. This UI is to be uniformly implemented by IACS Members and Associates for engines:
 - i) when an application for certification of an engine is dated on or after 1 January 2010; or
 - ii) which are installed in new ship for which the date of contract for construction is on or after 1 January 2010.
2. The "contract for construction" date means the date on which the contract to build the vessel is signed between the prospective owner and the shipbuilder. For further details regarding the date of "contract for construction", refer to IACS Procedural requirement (PR) No.29."

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