

SC76 Engine bearing temperature monitors or equivalent

(New 1985)
(Rev.1
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SOLAS II-1/47.2 Chapter II-1, Regulation 47.2 [1981] reads:

~~The wording "or engine bearing temperature monitors" is understood to include all bearings i.e. journal and connecting rod bearings.~~

"2 Internal combustion engines of 2,250 kW and above or having cylinders of more than 300 mm bore shall be provided with crankcase oil mist detectors or engine bearing temperature monitors or equivalent devices."

Interpretation

1 For crosshead engines:

The wording "engine bearing" of the term "engine bearing temperature monitors or equivalent devices" shall~~should~~ be understood to include at least journal and connecting rod bearings and the crosshead bearings.

2 For trunk piston engines:

"Engine bearing temperatures monitors" may be accepted as an alternative to the oil mist detector only when the temperature of all bearings, including the piston pin bearings, are monitored.

3 The expression "equivalent devices" shall~~should~~ include measures applied to engines where specific design features to preclude the risk of crankcase explosion are incorporated, subject to satisfactory justifications.

4 The examples of acceptable "temperature monitors or equivalent devices" are as follows:

- .1 a temperature monitoring system of the bearing concerned;
- .2 a bearing oil outlet temperature monitoring system;
- .3 a splash oil temperature monitoring system;
- .4 measures applied to engines where specific design features to preclude the risk of crankcase explosions are incorporated, subject to satisfactory justifications.

Note: 1. This Unified Interpretation is to be uniformly implemented by IACS Societies on ships contracted for construction on or after 1 January 2027.

2. The "contracted 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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