

F35 Fire Protection of Machinery Spaces

(1986)
(Rev. 1
1989)
(Rev. 2
1992)
(Rev. 3
1995)
(Rev. 4
1996)
(Rev. 5
1997)
(Rev. 6
June 1999)
(Rev. 7
July 2003)
(Rev. 8
June 2005)

In the implementation of the SOLAS Chapter II-2, the following requirements are to be met:

1. Reg.II-2/4.2.2.4

Air pipes from oil fuel tanks should be led to a safe position on the open deck.

Air pipes from lubricating oil storage tanks may terminate in the machinery space, provided that the open ends are so situated that issuing oil cannot come into contact with electrical equipment or heated surfaces.

Any overflow pipe should have a sectional area of at least 1,25 times that of the filling pipe and should be led to an overflow tank of adequate capacity or to a storage tank having space reserved for overflow purposes.

An alarm device should be provided to give warning when the oil reaches a predetermined level in the tank, or alternatively, a sight glass should be provided in the overflow pipe to indicate when any tank is overflowing. Such sight glasses should be placed on vertical pipes only and in readily visible positions.

2. Reg.II-2/4.2.2.3.5.1

Short sounding pipes may be used for tanks other than double bottom tanks without the additional closed level gauge provided an overflow system is fitted.

3. Reg.II-2/4.2.2.3

Level switches may be used below the tank top provided they are contained in a steel enclosure or other enclosures not capable of being destroyed by fire.

4. Reg.II-2/5.2.2.3

Controls required by this regulation should also be provided from the compartment itself.

5. Reg.II-2/4.2.2.5.1

Hose clamps and similar types of attachments for flexible pipes should not be permitted.

6. Reg.II-2/4.2.2 and 4.2.5.2

Oil fuel in storage tanks should not to be heated to temperatures within 10°C below the flash point of the fuel oil, except that where oil fuel in service tanks, settling tanks and any other tanks in supply system is heated the following arrangements should be provided:

- the length of the vent pipes from such tanks and/or a cooling device is sufficient



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for cooling the vapours to below 60°C, or the outlet of the vent pipes is located 3m away from a source of ignition;

- the vent pipes are fitted with flame screens;
- there are no openings from the vapour space of the fuel tanks into machinery spaces (bolted manholes are acceptable) ;
- enclosed spaces are not located directly over such fuel tanks, except for vented cofferdams ;
- electrical equipment is not fitted in the vapour space of the tanks, unless it is certified to be intrinsically safe.

