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# SC172 Monitoring the concentration of hydrocarbon gases in cargo pump rooms on oil tankers

(Aug. 2002)  
(Rev.1  
Nov 2005)

(Chapter II-2, Reg 4.5.10.1.3 (Res MSC.99(73))

## Regulations

SOLAS Regulation II-2/4.5.10.1.3 reads:

In tankers,

- .3 a system for continuous monitoring of the concentration of hydrocarbon gases shall be fitted. Sampling points or detector heads shall be located in suitable positions in order that potentially dangerous leakages are readily detected. When the hydrocarbon gas concentration reaches a pre-set level which shall not be higher than 10% of the lower flammable limit, a continuous audible and visual alarm signal shall be automatically effected in the pump-room, engine control room, cargo control room and navigation bridge to alert personnel to the potential hazard; and

## Interpretation

- 1 Sequential sampling is acceptable as long as it is dedicated for the pump room only, including exhaust ducts, and the sampling time is reasonably short.
- 2 Detection positions are the zones where air circulation is reduced (e.g. recessed corners).

*(MSC/Circ. 1120)*

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- Note: 1. This UI SC 172 is to be uniformly implemented by IACS Members and Associates from 1 July 2002.
2. Rev.1 of this UI is to be uniformly implemented by IACS Societies from 1 July 2006.

