



**TECHNICAL CIRCULAR No. 877 of 5<sup>th</sup> June 2025**

To	All Surveyors/Auditors. All flags
Title	<b>Revision of the Code of Practice for Atmospheric Oil Mist Detectors</b>
Reference	(MSC/Circ.1086)

**Revision of the Code of Practice for Atmospheric Oil Mist Detectors (MSC/Circ.1086)**

Most engine room fires are the result of the formation of oil spray/mist, vaporized fuel or gaseous fuel. Danger occurs when the concentration of oil reaches the lower explosion limit.

The ignition or auto ignition temperature can be extremely low depending on the type of oil being released.

In response to this danger, the shipping industry has been actively fitting oil mist detection equipment. To keep pace with industry practice, and provide timely regulatory guidance, the Sub-Committee finalized the draft revision of the Code of practice for atmospheric oil mist detectors (MSC/Circ.1086) at this session, laying out guidance for the approval of detectors, location of detectors and sampling lines, setting alert levels and indication, test procedures for calibration, and inspection and maintenance in accordance with the manufacturer's recommendations.

Next steps: The draft revised Code of practice for atmospheric oil mist detectors is to be submitted to the Marine Safety Committee with a view to approval at MSC 110 (June 2025).

**REFERENCES:**

- Fire Protection, (MSC/Circ.1086)

**ATTACHMENTS:** No.

Kindest Regards,  
CONARINA Technical Office

**CONARINA Head Office**

6505 Blue Lagoon Dr. Suite 455  
Miami, FL., 33126  
Tel: 1 (786) 558 5288,  
Fax: 1 (786) 325 0200,  
[joel@conarinagroup.com](mailto:joel@conarinagroup.com)