

Understanding OWS System Marpol Annex I

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The Oily Water Separator (OWS) is a crucial component in the context of the International Maritime Organization's (IMO) MARPOL Annex I regulations. MARPOL Annex I focuses on preventing pollution from oil at sea. The OWS is designed to address the separation of oil and water on ships to ensure compliance with these regulations.

Here's a breakdown of the key aspects of the Oily Water Separator in the context of MARPOL Annex I:

MARPOL Annex I:

MARPOL stands for the International Convention for the Prevention of Pollution from Ships. Annex I specifically addresses the prevention of pollution by oil. It lays down regulations for the prevention of pollution by oil from ships by ensuring that oil is not discharged into the sea in quantities that may be harmful.

Oily Water Separator (OWS):

The Oily Water Separator is a piece of equipment installed on ships to separate oil from water that accumulates in the bilge spaces. Bilge water is a mixture of oil, water, lubricants, and other substances that collect in the lowest part of a ship's hull.

Key Points:

Regulation Compliance:

Ships are not allowed to discharge oil into the sea except under certain conditions, such as when the oil content is below the stipulated limits.

Function of OWS:

The OWS is designed to separate oil from water in the bilge water. It typically consists of coalescers, filters, and other components that aid in the separation process.

Oil Content Standards:

The separated water should meet specific standards regarding oil content before it can be legally discharged into the sea. These standards are outlined in MARPOL Annex I.

Regular Maintenance:

Proper maintenance and operation of the OWS are crucial. Regular checks and inspections are necessary to ensure that the system is functioning correctly.

Record-Keeping:

Ships are required to keep records of oil discharges, including quantities and locations. These records help in demonstrating compliance with MARPOL Annex I regulations during inspections.

Penalties for Non-Compliance:

Non-compliance with MARPOL Annex I regulations can lead to severe penalties, including fines and potential detention of the vessel.

Training and Awareness:

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Engineering

Automation
Electronics
Safety systems
Pollution prevention
Gas detection
Metrology

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Partners

Calgaz UK
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Crew members must be adequately trained in the proper operation of the OWS and the regulations outlined in MARPOL Annex I.

Conclusion:

Understanding the Oily Water Separator system in the context of MARPOL Annex I is essential for ship operators to ensure environmental protection and compliance with international regulations. Regular maintenance, proper operation, and adherence to record-keeping requirements are critical elements in meeting the standards set by MARPOL Annex I.

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