

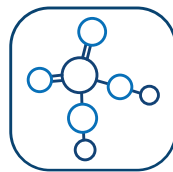
OCEAN CSO 7



System Oil



Base
Number (BN)



Formulated
to Prevent
Corrosion and
Contamination

OCEAN CSO 7 is a high quality 7 BN SAE 30 crankcase lubricant for slow speed crosshead engines.

OCEAN CSO 7 is manufactured on highly refined base oils and has effective properties for prevention from corrosion and foaming. The oil has optimal alkalinity level for neutralizing combustion products. Unique selected additives give the oil special detergent characteristics for protection engines crankcase from contamination. Optimum combination of detergent properties and oxidation stability provides cleaning the piston cooling ducts.

Features and Benefits

1. Wear protection

Protects bearings and bright metals in engine lubrication systems against corrosive wear from acids formed by combustion.

2. Detergent/Dispersant properties

Maintains engine crankcases and oil ducts in clean condition.

3. Corrosion protection

Protects engine parts from corrosion, when the engine is not in operation.

4. Rust protection

Protects all engine crankcase parts from rusting.

5. Resistance to foam

Prevents from foaming, provides smooth operation of oil pumps and continuous oil supply to all lubricated engine parts.

6. Fast and Easy Purification

Easily cleaned by standard marine oil purifiers.

Application

OCEAN CSO 7 recommended for crankcase lubrication of slow speed crosshead engines.

Details that make it work



Data shown above are standard for products issued currently. Due to continuous studies and developments, information in this documents is subject to change. Information on safe utilization of the product is included in the Safety Data Sheet.

Specifications

Meets the requirements	OCEAN CS07
MAN Diesel & Turbo	+
Winterthur Gas & Diesel (WÄRTSILÄ)	+
Japan Engine Corporation (MHI)	+

Properties	OCEAN CS07
SAE Viscosity Grade	30
Kinematic viscosity at 100°C, mm ² /s	11.6
Flash point COC, °C	246
Pour point, °C	- 12
Viscosity index	95
Base number, mg KOH/g	7.8
Sulphated ash, %	0.95
Density at 20 °C, g/cm ³	0.890

Health and safety

OCEAN CS07 lubricant does not represent any significant health or environmental hazard when properly used in the recommended application and industrial and personal hygiene standards are maintained. Avoid direct contact with skin. Wear protective gloves when changing the lube oil. In case of skin contact rinse immediately with water and soap. For more information please refer to the Safety Data Sheet.

Environment protection

Used oil, product residuals must be collected in air-tight containers and handed over to specialized used oil disposal facilities. Do not drain used oil into sewage system, soil or ponds.

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