

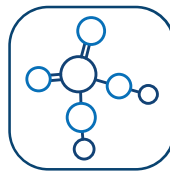
OCEAN CCL 70



Cylinder Oil



Base
Number (BN)



Formulated for
IMO 2020 Compliant
Fuel HFSO

OCEAN CCL 70 is a high quality 70 BN SAE 50 cylinder lubricant for 2-stroke marine diesel engines operating under very high mechanical and temperature loads and/or corrosive operating condition.

OCEAN CCL 70 includes high quality paraffin base oils and additives with special antiwear technology that provide maximum protection for the rings, cylinder liners and maintain piston cleanliness in the slow speed crosshead engines equipped with exhaust abatement technologies operating on heavy fuel oil with high sulfur content.

OCEAN CCL 70 lubricant is specially developed for using under high operating pressure and temperature with engines that may be prone to scuffing or high liner wear.

OCEAN CCL 70 satisfies OEM recommendations in relation to IMO2020 Sulphur cap requirements.

Features and Benefits

1. Wear protection

Protects cylinder liners and piston rings against wear and corrosion, increasing intervals of maintenance.

2. Detergent/Dispersant properties

Prevents from rings sticking and deposits formation in combustion chamber.

3. Lubrication Properties

Maintains the oil film under various load conditions, thus preventing from wearing of the liners, pistons and rings.

4. Storage stability

Completely stable at all ambient temperatures. Will not separate or deteriorate in long-term storage.

5. Compatibility

Compatible with well-known cylinder marine lubricants having 70 BN, widely used in international marine trade.

Application

OCEAN CCL 70 recommended for cylinders lubrication of all main slow speed crosshead engines, operating on heavy fuel oil with high sulfur content under high power output and high thermal loads.

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 CCL 70
MAN Diesel & Turbo	+
Winterthur Gas & Diesel (WÄRTSILÄ)	+
Japan Engine Corporation (MHI)	+

Properties	OCEAN CCL 70
SAE Viscosity Grade	50
Kinematic viscosity at 100°C, mm ² /s	20.5
Flash point COC, °C	250
Pour point, °C	- 15
Viscosity index	101
Base number, mg KOH/g	71
Sulphated ash, %	9.0
Density at 20 °C, g/cm ³	0.933

Health and safety

OCEAN CCL 70 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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