

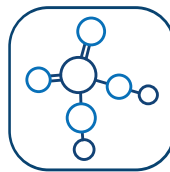
OCEAN CCL 40LSF



Cylinder Oil



Base
Number (BN)



Formulated for
**IMO 2020 Compliant
Fuel LSFO (0.5% S)**

OCEAN CCL 40 LSF is a high quality 40 BN SAE 50 cylinder lubricant for 2-stroke marine diesel engines operating on low sulfur fuel (S <0.5-1.5%) under all loads.

OCEAN CCL 40 LSF is blended from high quality base oils and modern additives to provide excellent antiwear properties for the slow speed crosshead engines.

OCEAN CCL 40 LSF lubricant is specially developed for usage under high operating pressure and temperature.

OCEAN CCL 40 LSF 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 40 BN, widely used in international marine trade.

Application

OCEAN CCL 40 LSF recommended for cylinders lubrication of all slow speed crosshead engines, operating on fuel with low sulfur content, under all loads. Engine operation on the fuel with low sulfur content (S <0.5-1.5%).

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 40 LSF
MAN Diesel & Turbo	+
Winterthur Gas & Diesel (WÄRTSILÄ)	+
Japan Engine Corporation (MHI)	+

Properties	OCEAN CCL 40 LSF
SAE Viscosity Grade	50
Kinematic viscosity at 100°C, mm ² /s	20.5
Flash point COC, °C	259
Pour point, °C	- 15
Viscosity index	95
Base number, mg KOH/g	41
Sulphated ash, %	5.3
Density at 20 °C, g/cm ³	0.916

Health and safety

OCEAN CCL 40 LSF 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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