

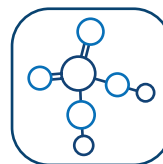
GAZPROMNEFT OCEAN CCL 17 ULSF



Cylinder Oil



Base
Number (BN)



Recommended for
IMO 2020 Compliant
Fuel ULSFO (<0.1% S)



GAZPROMNEFT OCEAN CCL 17 ULSF is a high quality 17 BN SAE 50 cylinder lubricant for 2-stroke marine diesel engines operating on all ultra-low and low sulfur fuels (up to 0.5% wt)

GAZPROMNEFT OCEAN CCL 17 ULSF is blended from high quality base oils and last generation additives to provide maximum protection for the rings, cylinder liners and maintain piston cleanliness in the slow speed crosshead engines.

GAZPROMNEFT OCEAN CCL 17 ULSF contains novel dispersant coupled with detergent chemistry to provide robust detergency and antiwear properties. It directly address the deposit issues that have been identified when using a Low BN product with a ULSFO (ECA Fuel).

GAZPROMNEFT OCEAN CCL 17 ULSF satisfies OEM recommendation in relation to IMO2020 Sulphur cap fuel 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.

Application

GAZPROMNEFT OCEAN CCL 17 ULSF is recommended for cylinders lubrication of slow speed crosshead engines, operating on fuel with ultra-low sulfur content and in wide range of output power and thermal loads. Engine operation on fuel with very low sulfur content (S < 0.1%), requires usage cylinder lubricant with low base number.

GAZPROMNEFT OCEAN CCL 17 ULSF cylinder lubricant is innovative development of marine lubricants with low base number.

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.

Detailed information can be obtained on the company's website marine.gazprom-neft.com



Specifications



| Meets the requirements and Approvals: | GAZPROMNEFT OCEAN CCL 17 ULSF |
|---------------------------------------|-------------------------------|
| MAN Diesel & Turbo | + |
| Winterthur Gas & Diesel (WÄRTSILÄ) | + |
| Japan Engine Corporation (MHI) | + |

| Properties | GAZPROMNEFT OCEAN CCL 17 ULSF |
|--|-------------------------------|
| SAE Viscosity Grade | 50 |
| Kinematic viscosity at 100°C, mm ² /s | 20.5 |
| Flash point COC, °C | 255 |
| Pour point, °C | - 15 |
| Viscosity index | 100 |
| Base number, mg KOH/g | 17 |
| Sulphated ash, % | 1.93 |
| Density at 20 °C, g/cm ³ | 0.900 |

Health and safety

GAZPROMNEFT OCEAN CCL 17 ULSF 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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