

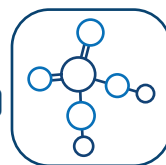
# GAZPROMNEFT OCEAN CCL 100 HSF



Cylinder Oil



Base  
Number (BN)



Recommended for  
IMO 2020 Compliant  
Fuel HSF0



**GAZPROMNEFT OCEAN CCL 100 HSF** is a high quality 100 BN SAE 50 cylinder lubricant developed to tackle corrosion, especially during engine operation in “slow steaming” mode (engine operation mode for reduce fuel consumption).

The product is especially developed for 2-stroke crosshead engines equipped with exhaust abatement technologies, for using under high operating pressure and temperature in engines that may be prone to scuffing or high liner wear and operating on heavy fuel oil with high sulfur content.

**GAZPROMNEFT OCEAN CCL 100 HSF** includes high quality paraffin base oils and additives with special anti-wear technology that provide maximum protection for the rings, cylinder liners and maintain piston cleanliness in the slow speed crosshead engines.

**GAZPROMNEFT OCEAN CCL 100 HSF** satisfies current OEM recommendations in relation to IMO2020 Sulphur cap requirements for vessels fitted with scrubbers.

## 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 100 BN, widely used in international marine trade.

## 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](http://marine.gazprom-neft.com)





## Application

**GAZPROMNEFT OCEAN CCL 100 HSF** recommended for cylinders lubrication of slow speed crosshead marine engines, operating on fuel with high sulfur content, in “slow steaming” mode (engine operation mode for reduce fuel consumption).

### Meets the requirements and Approvals:

### GAZPROMNEFT OCEAN CCL 100HSF

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

### Properties

### GAZPROMNEFT OCEAN CCL 100HSF

SAE Viscosity Grade	50
Kinematic viscosity at 100°C, mm <sup>2</sup> /s	20.5
Flash point COC, °C	249
Pour point, °C	- 15
Viscosity index	107
Base number, mg KOH/g	102
Sulphated ash, %	13.2
Density at 20 °C, g/cm <sup>3</sup>	0.951

## Health and safety

**GAZPROMNEFT OCEAN CCL 100HSF** 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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