GAZPROMNEFT OCEAN TPL 4040/5040 HSF

Trunk Piston Engine Oils

Superior Detergency Excellent Thermal and Oxidative Stability

40/50 Base Number (BN)

GAZPROMNEFT OCEAN TPL 4040/5040 HSF series high quality diesel engine oils with increased alkalinity level. GAZPROMNEFT OCEAN TPL 4040/5040 HSF series are specially developed for use in medium-speed trunk piston diesel engines, operating on heavy fuel oil with maximum sulfur content of up to 4,5%. GAZPROMNEFT OCEAN TPL 4040/5040 HSF series blended from high quality base oils and additives, providing maximum protection from rings sticking, piston deposits and wear under the heavy duty operating conditions. The oil well regulate it`s viscosity under very high operating temperatures. Increased alkalinity level prevents the engine from corrosive wear over long period of operation. Innovative system of detergent and dispersant additives provides outstanding piston cleanliness and control fuel contaminants, this results in significant reduction of deposits. GAZPROMNEFT OCEAN TPL 4040/5040 HSF series have high water resistance, well water separation and maintain chemical properties.

Advantages

1. Wear protection
High alkalinity level effectively protects of the cylinder liners against corrosion. High quality anti-wear additives provide properly protection of camshafts and bearings.

2. Detergent/ Dispersant properties
Maintains engine crankcase and piston rings cleanliness and also prevent deposit formation in the engine. Increases oil filters cleaning intervals. Effectively prevents contamination by insoluble particles.

3. Oxidation stability
Anti-oxidation additives protect the oil against thermal stresses, protect engine parts from corrosion and reduce undercrown deposits. Remains lubricating properties for extended life.

4. Rust prevention
Prevents corrosion of engine parts, when the engine is not in operation.

5. Balanced additive combination
Provides minimum maintenance, increases service life and reduce operational costs.

Application

GAZPROMNEFT OCEAN TPL 4040/5040 HSF series are recommended for all types of trunk piston engines, operating on heavy fuel with sulfur content up to 4.5%.

Details
that make it work

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Typical characteristics

Properties	GAZPROMNEFT OCEAN TPL	
	4040	5040 HSF
SAE Viscosity Grade	40	40
Kinematic viscosity at 100°C, mm²/s	14.3	14.3
Flash point COC, °C	238	245
Pour point, °C	- 16	- 16
Viscosity index	97	99
Base number, mg KOH/g	41	51,5
Sulphated ash, %	5.0	6.0
Density at 20 °C, g/cm³	0.915	0.916

Specifications

Meets the requirements and Approvals:	GAZPROMNEFT OCEAN TPL	
	4040	5040 HSF
MAN Diesel & Turbo	+	+
Wärtsilä	+	+
Rolls Royce Bergen	+	+
Daihatsu	+	+
Hyundai Himsen	+	+
Yanmar	+	+

Health and safety

GAZPROMNEFT OCEAN TPL series don`t not represent any significant health or environment hazard when properly used in the recommended application and good standards of industrial and personal hygiene are maintained. Avoid direct contact to 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.

Details
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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

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