OCEAN TPL 2030/2040/3030/3040

Trunk Piston Engine Oils

Superior Detergency Excellent Thermal and Oxidative Stability

Base Number (BN)

OCEAN TPL 2030/2040/3030/3040 series high quality diesel engine oils with medium or increased alkalinity level.

OCEAN TPL 2030/2040/3030/3040 series are specially developed for use in medium-speed trunk piston diesel engines, operating with varying heavy fuel with maximum sulfur content of up to 4%.

OCEAN TPL 2030/2040/3030/3040 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 of fuel contaminants, this result in significant reduction of deposits.

OCEAN TPL 2030/2040/3030/3040 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. Ocean TPL series have increased water resistance and protection against foaming.

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 the engine parts, when the engine is not in operation.

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

Application

OCEAN TPL 2030/2040/3030/3040 series are recommended for all types of trunk piston engines, operating on:
1) Diesel fuel or heavy fuel with sulfur content up to 2% (TPL 2030/2040);
2) Heavy fuel with high sulfur content up to 4% (TPL 3030/3040).

Details
that make it work

Typical characteristics

Properties	OCEAN TPL			
	2030	2040	3030	3040
SAE Viscosity Grade	30	40	30	40
Kinematic viscosity at 100°C, mm²/s	11.8	13.5	11.8	14.3
Flash point COC, °C	230	240	238	242
Pour point, °C	- 16	- 16	- 16	- 16
Viscosity index	97	98	97	98
Base number, mg KOH/g	21	21	31	31
Sulphated ash, %	2.4	2.4	3.4	3.7
Density at 20 °C, g/cm³	0.896	0.899	0.901	0.905

Specifications

Meets the requirements and :	OCEAN TPL			
	2030	2040	3030	3040
MAN Diesel & Turbo	+	+	+	+
Wärtsilä	+	+	+	+
Rolls Royce Bergen	+	+	+	+
Daihatsu	+	+	+	+
Hyundai Himsen	+	+	+	+

Health and safety

OCEAN TPL series don`t 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.