ALESTA R 40-30

Medium-Speed Trunk Piston Diesel Engine Oil

REXOIL ALESTA R 40-30 is a high-performance, medium-speed trunk piston diesel engine oil formulated to meet the lubrication requirements of modern marine and stationary diesel engines operating under demanding conditions. Produced using carefully selected high-quality base oils and advanced additive technology, it delivers excellent resistance to oxidation, deposit formation, and wear, ensuring reliable engine protection and extended service intervals.

The product is recommended for medium-speed trunk piston engines used in marine propulsion systems, auxiliary engines, and stationary power generation units, particularly where engines operate continuously under high load conditions. **ALESTA R 40-30** is specifically suitable for engines operating on distillate or light residual fuels **with sulphur content below 2.5%**, where effective acid neutralization, cleanliness, and corrosion protection are essential. Its balanced formulation supports piston cleanliness, minimizes sludge and varnish formation, and maintains oil performance over extended operating periods, contributing to efficient and trouble-free engine operation.

Features and Benefits

- Delivers strong resistance to oxidation and thermal degradation, helping maintain oil performance over extended operating periods.
- Provides reliable alkalinity retention to effectively neutralize acidic combustion by-products formed when using fuels with sulphur content below 2.5%.
- Maintains a high level of engine cleanliness by controlling deposit formation on pistons, rings, and other critical components.
- Forms a durable lubricating film that reduces metal-to-metal contact, supporting long component life under heavy-duty conditions.
- Ensures stable performance under continuous high-load operation, even in elevated temperature environments.
- Protects internal engine surfaces against corrosion and rust, including during intermittent operation or standby periods.
- Facilitates rapid water separation, helping preserve lubricant integrity and preventing emulsification in marine environments.
- Keeps contaminants finely dispersed within the oil, reducing sludge accumulation and supporting efficient filtration.

Approval and Specifications

Wärtsilä; YANMAR; Everllence (MAN ES); Daihatsu; Caterpillar; Rolls Royce; Hyundai; Himsen

Technical Specifications

Test	Method	Typical Properties
Kinematic Viscosity (100°C), [cSt]	ASTM D445	13,0 – 16,3
Density @ 15^{0}C g/ml	ASTM D4052	0,885 - 0,910
Viscosity Index	ASTM D2270	Min. 90
Flash Point, °C	ASTM D92	Min. 230
Pour Point, °C	ASTM D97	Max. -15
Total Base Number, mg KOH/g	ASTM D2896	Min. 30,0

Health and Safety

This product does not pose a significant health or safety risk when used appropriately. For detailed safety information, please refer to the Safety Data Sheet (SDS).

Storage & Handling

Store in a cool, dry, and well-ventilated area, away from direct sunlight and moisture. Keep containers tightly closed to prevent contamination. Dispose of contents and containers in accordance with local regulations.

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