ALESTA H 30-40

Medium-Speed Trunk Piston Diesel Engine Oil

REXOIL ALESTA H 30-40 is a high-performance medium-speed trunk piston diesel engine oil, developed to meet the lubrication requirements of modern marine and stationary diesel engines operating under demanding conditions. Formulated with high-quality base oils and advanced additive technology, it provides reliable protection against wear, deposits, and corrosion while maintaining engine cleanliness and operational efficiency.

The product is suitable for use in medium-speed trunk piston engines used in marine propulsion and auxiliary systems, as well as in power generation units. It performs effectively in engines operating on distillate and residual fuels with **sulphur content above 2%,** where control of piston deposits and neutralization of acidic combustion by-products are critical. Its balanced formulation supports clean engine operation, minimizes sludge and varnish formation, and ensures stable performance under high thermal and mechanical stress.

Features and Benefits

- **Optimized alkalinity (TBN) control** effectively neutralizes acidic combustion by-products formed during operation with fuels containing more than 2% sulphur, thereby reducing the risk of corrosive wear.
- **Advanced detergency and dispersancy system** keeps pistons, ring zones, and crankcase components clean by controlling deposits, sludge, and varnish formation.
- **Excellent oxidation and thermal stability** ensures resistance to oil degradation under high temperature operation, maintaining performance over extended service intervals.
- **Strong anti-wear performance** provides reliable protection for critical engine components, minimizing wear under high load and boundary lubrication conditions.
- **Effective water separation characteristics** support rapid demulsification, helping to maintain oil integrity in environments where water contamination is possible.
- **Deposit control in piston undercrown areas** helps prevent overheating and supports efficient heat transfer, contributing to overall engine reliability.
- **Shear-stable viscosity profile** maintains consistent lubrication film thickness, ensuring protection under varying operating conditions.

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	9,8 – 12,5
Density @ 15^{0}C g/ml	ASTM D4052	0,885 - 0,915
Viscosity Index	ASTM D2270	Min. 90
Flash Point, °C	ASTM D92	Min. 230
Pour Point, °C	ASTM D97	Max. -12
Total Base Number, mg KOH/g	ASTM D2896	Min. 40,0

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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