ALESTA H 40-60

Medium-Speed Trunk Piston Diesel Engine Oil

REXOIL ALESTA H 40-60 is a premium-quality **medium-speed trunk piston diesel engine oil**, developed for use in marine and stationary diesel engines operating under severe conditions. It is specially formulated for engines burning **residual fuels with sulfur content up to 4.5%**, where strong acid neutralization and deposit control are critical.

Compared to lower BN products, **ALESTA H 40-60** offers a **higher alkalinity reserve**, making it particularly suitable for engines exposed to higher acid formation and more demanding operating environments. Its advanced formulation combines **high detergency, effective dispersancy, and excellent oxidation resistance**, helping to control deposits on pistons, ring zones, and undercrown areas while maintaining overall engine cleanliness.

This product is recommended for **medium-speed trunk piston engines with low oil consumption**, where maintaining alkalinity over extended service intervals is essential. It delivers reliable lubrication, minimizes wear, and ensures consistent engine protection under continuous high-load operation.

ALESTA H 40-60 is suitable for use in **marine propulsion systems, auxiliary engines, and power generation equipment**, particularly where higher BN performance is required due to fuel quality or operating severity.

Features and Benefits

- **Enhanced Acid Neutralization Capacity** provides a higher alkalinity reserve, ensuring effective control of acids formed during the combustion of high-sulfur fuels.
- **Improved Deposit Control** reduces piston deposits, ring sticking, and sludge formation through an advanced additive system, helping maintain cleaner engine operation.
- **Robust Wear Protection** forms a strong lubricating film that minimizes friction and metal-to-metal contact, extending the service life of engine components under heavy-duty conditions.
- **High Oxidation Stability** resists oil degradation at elevated temperatures, maintaining oil performance and supporting longer service intervals.
- **Cleanliness of Critical Engine Parts** keeps piston undercrown, ring belt, and crankcase areas free from harmful deposits, improving engine efficiency and reliability.

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 – 16,0
Density @ 15^{0}C g/ml	ASTM D4052	0,890 - 0,920
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. 60,0

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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