ALESTA H 40-40

Medium-Speed Trunk Piston Diesel Engine Oil

REXOIL ALESTA H 40-40 is a premium quality trunk piston engine oil designed for medium-speed diesel engines operating in marine and industrial environments where consistent performance and durability are essential. The formulation combines highly refined base stocks with a robust additive system to ensure reliable lubrication under continuous operation and variable load conditions. This lubricant is engineered for engines used in marine propulsion, onboard auxiliary machinery, and stationary power generation systems. It is particularly well-suited for engines running on heavy fuel oils and blended fuels with elevated sulphur levels, where effective management of acidic by-products and deposit formation is required.

With its balanced chemical composition, **ALESTA H 40-40** contributes to stable engine operation by preserving lubricant integrity under thermal stress and minimizing the formation of harmful deposits in critical areas such as ring zones and crankcase components. It is an appropriate choice for applications demanding dependable performance, controlled wear, and consistent cleanliness in medium-speed trunk piston diesel engines.

Features and Benefits

- **Enhanced base reserve capacity (high TBN)** provides strong acid neutralization capability, supporting operation with higher sulphur fuels and reducing corrosive wear risks.
- **Robust deposit control technology** limits the formation of hard carbon deposits on pistons and ring grooves, helping maintain efficient combustion and sealing.
- **Superior thermal resistance** maintains oil stability under sustained high-temperature conditions, preventing premature degradation and thickening.
- **Reliable anti-wear protection** forms a durable lubricating film on metal surfaces, reducing friction and extending component life.
- **Optimized cleanliness performance** helps keep crankcase spaces, bearings, and oil passages free from sludge accumulation.
- **Oxidation resistance** slows down chemical breakdown of the oil, contributing to longer operational life and reduced maintenance frequency.

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 @ 15^0C g/ml	ASTM D4052	0,900 - 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. 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.

REKSOIL PETROKİMYA SAN. VE TİC. A.Ş.
Adres: Birlik Organize Sanayi Bölgesi Doğu Cd. No:19-21 Tuzla – İSTANBUL - TÜRKİYE Tel: +90 216 593 35 70 Fax: +90 216 593 35 78
www.rexoil.com.tr