ALESTA S 40-20

Medium-Speed Trunk Piston Diesel Engine Oil

REXOIL ALESTA S 40-20 is a high-performance, medium-speed trunk piston diesel engine oil developed to meet the lubrication demands of marine and stationary engines operating under severe service conditions. Formulated with high-quality base oils and advanced additive technology, it provides excellent resistance to oxidation, deposit formation, and wear, ensuring reliable engine protection and extended service life.

It is recommended for medium-speed trunk piston engines used in marine propulsion, auxiliary equipment, and stationary power generation, particularly where engines operate continuously under high load conditions. The product is specifically suitable for engines running on distillate or light residual fuels **with sulphur content below 2%**, where effective acid neutralization, cleanliness, and corrosion protection are essential.

Features and Benefits

- Provides excellent oxidation stability, helping to extend oil life by resisting degradation under high operating temperatures.
- Ensures effective acid neutralization, protecting engine components against corrosive wear when operating with fuels containing sulphur levels below 2%.
- Delivers superior deposit control by minimizing sludge and varnish formation, maintaining engine cleanliness and efficient operation.
- Offers enhanced wear protection, reducing component wear and extending overall engine life while lowering maintenance costs.
- Maintains high thermal stability, ensuring reliable performance under continuous high-load and high-temperature operating conditions.
- Protects engine components against rust and corrosion during both operation and idle periods.
- Promotes good water separation properties, allowing rapid separation of water to maintain lubricant performance and prevent emulsion formation.
- Provides optimized detergency and dispersancy, keeping contaminants in suspension and preventing deposit buildup on pistons and other engine parts.

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	12,8 – 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. 235
Pour Point, °C	ASTM D97	Max. -15
Total Base Number, mg KOH/g	ASTM D2896	Min. 20,0

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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