ALESTA ML 50-50

Low-Speed, Two-Stroke Crosshead Diesel Engines Oil

REXOIL ALESTA ML 50-50 is a high-performance marine cylinder oil developed for the lubrication of low-speed, two-stroke crosshead marine diesel engines. Formulated with high-quality base oils and an advanced additive system, it provides balanced acid neutralization, excellent piston cleanliness, effective deposit control, and reliable wear protection. With a Base Number (BN) of 50, it is recommended for engines requiring a medium alkalinity cylinder oil and helps maintain engine cleanliness and long-term operational reliability.

In addition, the product may be used in selected trunk piston diesel engines operating on residual fuels with a sulphur content of up to 4.5%, where a medium alkalinity lubricant is required to ensure effective acid neutralization and deposit control.

Features and Benefits

- Balanced 50 BN alkalinity reserve for effective acid neutralization.
- Excellent piston crown, ring pack, and cylinder liner cleanliness.
- Reliable protection against corrosive and adhesive wear.
- Advanced detergent and dispersant technology for effective deposit control.
- Strong lubricating film for enhanced liner and piston ring protection.
- High thermal and oxidation stability under severe operating conditions.
- Helps reduce piston ring sticking and liner polishing.
- Supports optimized oil feed rates when approved by the engine manufacturer.
- Contributes to extended engine service life and reduced maintenance costs.
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Approval and Specifications

WinGD (Wärtsilä); Everllence (MAN ES); Mitsubishi

Technical Specifications

Test	Method	Typical Properties
Kinematic Viscosity (100°C), [cSt]	ASTM D445	17,0 – 21,6
Density @ 15^{0}C g/ml	ASTM D4052	0,895 - 0,930
Viscosity Index	ASTM D2270	Min. 90
Flash Point, °C	ASTM D92	Min. 230
Pour Point, °C	ASTM D97	Max. -9
Total Base Number, mg KOH/g	ASTM D2896	Min.50,0

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