ALESTA ML 50-55

Low-Speed, Two-Stroke Crosshead Diesel Engines Oil

REXOIL ALESTA ML 50-55 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 55, 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 55 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.55,0

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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