ALESTA ML 50-110

High Base Number Cylinder Lubricant

REXOIL ALESTA ML 50-110 is a high-performance marine cylinder oil designed for low-speed, two-stroke crosshead marine diesel engines operating under heavy-duty conditions. Formulated with advanced additives and high-quality base oils, it provides strong acid neutralization, excellent piston cleanliness, and reliable wear protection.

With a BN 110 alkalinity reserve, it is intended for engines requiring high neutralization capacity to manage demanding combustion conditions and maintain stable lubrication performance over long operating periods.

The product is recommended for main propulsion engines on container vessels, bulk carriers, tankers, and other ocean-going ships where a 110 BN cylinder oil is specified by the engine manufacturer. It is also suitable for engines operating on higher sulphur fuels or in applications requiring enhanced deposit control and corrosion protection.

Features and Benefits

- High BN 110 alkalinity reserve ensures powerful and stable acid neutralization under severe operating conditions.
- Maintains excellent cleanliness of piston crown, ring pack, and cylinder liner surfaces.
- Effectively controls deposit formation, even in high load and high temperature operation.
- Provides strong protection against corrosive and adhesive wear mechanisms.
- Forms a durable lubricating film for reliable protection under heavy mechanical stress.
- Exhibits high thermal and oxidation stability for consistent long-term performance.
- Reduces the risk of ring sticking and liner polishing, supporting smoother engine operation.
- Suitable for engines operating on high sulphur fuels requiring enhanced neutralization capacity.
- Helps extend engine component life and optimize maintenance intervals.

Approval and Specifications

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

Technical Specifications

Test	Method	Typical Properties
Kinematic Viscosity (100°C), [cSt]	ASTM D445	16,8 – 21,8
Density @ 15^{0}C g/ml	ASTM D4052	0,905 - 0,945
Viscosity Index	ASTM D2270	Min. 90
Flash Point, °C	ASTM D92	Min. 220
Pour Point, °C	ASTM D97	Max. -6
Total Base Number, mg KOH/g	ASTM D2896	Min.110,0

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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