

TECHNICAL PRODUCT SHEET

NAUTILUS LS

SAE 50



DESCRIPTION

NAUTILUS LS is a premium quality cylinder oil designed for two-stroke marine engines running on low sulfur distillate or heavy fuel oils. It consists of superior-quality mineral base oils and the latest innovative additive technology. It has been developed for heavy duty marine diesel engines operating under demanding conditions. It provides superior ring and liner protection against wear and excellent piston cleanliness, properties that enable the long-life cycle of the powertrain.

APPLICATIONS

NAUTILUS LS is suitable for cylinder lubrication in low-speed crosshead marine diesel engines operating under high temperatures and load conditions, running on fuel with low sulfur content up to 1.5% and in cases on fuels of up to 2-2.5% sulfur depending on local market supply parameters and OEM recommendations. It is highly recommended for 2-stroke marine and stationary engine applications, such as in power generation stations.

SPECIFICATIONS

Everlence ES (NOL)

WinGD (NOL)

PROPERTIES

NAUTILUS LS lubricant features an enhanced additive system that delivers reliable wear protection under demanding operating conditions. Its exceptional detergency properties safeguard the oil system from contamination caused by accidental combustion residue leakage, while improved boundary lubrication ensures stable performance even at low film thicknesses. Formulated as a homogeneous lubricant, the NAUTILUS LS series offers consistent quality and dependable protection across marine and industrial applications.

BENEFITS

NAUTILUS LS provides maximum protection against adhesive and corrosive wear, helping prolong the engine's life cycle and reduce maintenance costs. It ensures exceptional cleanliness with minimal deposits on the piston, piston rings, ring grooves and cylinder ports. A protective lubricating film is permanently retained on engine components, allowing for extended periods between piston overhauls. Engineered for stability during long-term storage, NAUTILUS LS delivers reliable performance and lasting protection in demanding marine applications.



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PHYSICAL-CHEMICAL CHARACTERISTICS

NAUTILUS	METHOD	LS
SAE Grade		50
Density at 15°C, g/cm ³	ASTM D4052	0.910
Viscosity, Kinematic (cSt) 40°C	ASTM D445	220.0
Viscosity, Kinematic (cSt) 100°C	ASTM D445	19.5
Viscosity index	ASTM D2270	97
Flash point, COC, °C	ASTM D92	248
Pour point, °C	ASTM D97	-9
TBN, mgKOH/g	ASTM D2896	40

The above mentioned characteristics represent mean values.

STORAGE

All packages must be stored in covered, well-ventilated areas. If outdoor storage cannot be avoided, barrels must be placed horizontally to prevent water ingress and to protect labels and markings from damage. Products must not be stored at temperatures above 60 °C and must not be exposed to direct sunlight, freezing conditions, or extreme temperature fluctuations.



HEALTH & SAFETY

This product is not considered to pose significant risks to health or safety when used as intended and in accordance with recommended personal hygiene practices. It must not be applied for purposes other than those for which it has been formulated. For detailed guidance on safe handling and use, refer to the Safety Data Sheet (SDS).



USED OILS

Used lubricants must be collected at designated collection points to prevent environmental contamination. They must not be mixed with solvents, brake fluids, or antifreeze.

