

TECHNICAL PRODUCT SHEET

NAUTILUS VLS/25

SAE 50



DESCRIPTION

NAUTILUS VLS/25 is a premium quality cylinder oil designed for two-stroke marine engines running on ULSFO, ULSD, LNG, methanol, ethane and LPG. It consists of boosted quality hydrotreated base oils and the latest additive technology delivering superior piston ring and liner deposit control and wear protection, enhanced overall engine cleanliness and high temperature performance-ability.

APPLICATIONS

NAUTILUS VLS/25 is a high performance ECA-compliant oil for the lubrication of the cylinders of low-speed crosshead marine diesel engines operating under demanding conditions, running on fuels with ultra-low sulfur content (up to 0.1%). VLS/25 exceeds the requirements of major large marine engine makers.

SPECIFICATIONS

Everlence ES

WinGD

PROPERTIES

NAUTILUS VLS/25 features an enhanced additive technology system that provides reliable protection and stable performance in modern marine engines. As a low-alkaline lubricant, it offers sufficient detergency to maintain clean engine surfaces while preventing harmful deposit formation. With excellent thermal and oxidative stability, NAUTILUS VLS/25 ensures consistent lubrication efficiency and long service life under demanding operating conditions.

BENEFITS

NAUTILUS VLS/25 combats deposit formation and scuffing-related wear commonly associated with low-sulphur fuels, ensuring reliable engine protection under modern operating conditions. It provides strong control of piston groove deposits, an especially critical factor when running on distillate fuels, helping maintain smooth and efficient combustion. Designed to perform consistently across a wide range of engine conditions, NAUTILUS VLS/25 supports clean operation, reduced wear and dependable engine performance.



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PHYSICAL-CHEMICAL CHARACTERISTICS

NAUTILUS	METHOD	VLS/25
SAE Grade		50
Density at 15°C, g/cm ³	ASTM D4052	0.908
Viscosity, Kinematic (cSt) 40°C	ASTM D445	226.0
Viscosity, Kinematic (cSt) 100°C	ASTM D445	19.9
Viscosity index	ASTM D2270	101
Flash point, COC, °C	ASTM D92	248
Pour point, °C	ASTM D97	-10
TBN, mgKOH/g	ASTM D2896	25

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.

