

NS CYL 540

SAE 50 - Marine Cylinder Oil - BN 40

SKU: xxxxxx

PRODUCT OVERVIEW

NS CYL 540 is a BN 40, SAE 50 cylinder oil developed for low-speed two-stroke crosshead marine engines running on very low sulphur fuels (0.10–0.50% S). Its balanced alkalinity and proven detergent additive system neutralises combustion acids while keeping pistons, ring grooves and cylinder ports free of deposits. High viscosity index mineral base oils maintain a robust, load-bearing oil film across the full load and temperature range, controlling ring and liner wear and supporting extended times between overhauls.

APPLICATIONS

Recommended for the cylinder lubrication of low-speed crosshead two-stroke marine diesel engines operating continuously on VLSFO, ULSFO and distillate fuels with a sulphur content up to 0.50%. Holds a Category I No Objection Letter for Everllence (MAN ES) MAN B&W Mark 8 and earlier engine designs, and is suitable for WinGD and MHI-MME engines under the conditions of their lubricant recommendations. Engine builder feed rates should be observed as a minimum and verified by scavenge drain analysis.

SPECIFICATIONS

 Meets or exceeds: **Everllence (MAN ES) NOL – Cat. I | WinGD | MHI-MME**

CHARACTERISTICS*

PROPERTY	TEST METHOD	VALUE
Density at 15°C	ASTM D4052	0.920 g/cm ³
Kinematic Viscosity @ 40°C	ASTM D445	220 cSt
Kinematic Viscosity @ 100°C	ASTM D445	19.5 cSt
Viscosity Index	ASTM D2270	101
Pour Point	ASTM D97	-15 °C
BN	ASTM D2896	40 mgKOH/g
Flash Point (COC)	ASTM D92	245 °C

*The specifications above are for illustrative purposes and communicated for information only.

PROPERTIES & BENEFITS

Acid Neutralization

A 40 BN alkaline reserve matched to low sulphur fuels neutralises combustion acids without over-basing, protecting liners and rings from cold corrosion while limiting carbonate deposit formation.

Detergent Performance

A proven detergent-dispersant system keeps pistons, ring lands, ring grooves and scavenge ports clean, preventing ring sticking and deposit build-up in the exhaust track.

Boundary Lubrication

High viscosity index base oils sustain a continuous, load-bearing film across the full load and temperature range, controlling adhesive wear and scuffing risk and extending periods between piston overhauls.

Storage Stability

Homogeneous, thermally and oxidatively stable formulation that resists separation over long storage periods and is fully miscible with conventional cylinder lubricants.