

NS TPEO Series

SAE 30/40 - Trunk Piston Engine Oil - BN 30/40

SKU: xxxxxx

PRODUCT OVERVIEW

The NS TPEO Series are high-alkalinity trunk piston engine oils for medium-speed four-stroke diesel engines burning residual fuels. Their high-detergency additive systems neutralise the strong acids formed from high sulphur fuel while handling asphaltenes and sludge from poor quality bunkers. Highly refined base oils give strong thermal and oxidation stability with excellent BN retention, controlling viscosity increase and keeping crankcases, cam boxes and ring belts clean over long service periods.

APPLICATIONS

Recommended for the crankcase lubrication of highly rated medium-speed four-stroke trunk piston diesel engines in marine propulsion, auxiliary and stationary power service, running on intermediate and heavy residual fuels. Also suitable for reduction gears, bearings and stern tubes. Select NS TPEO 330 or NS TPEO 430 for fuels up to about 3.0% sulphur in SAE 30 or SAE 40, and NS TPEO 440 where higher sulphur, low oil consumption or low liner temperatures call for a greater alkaline reserve.

SPECIFICATIONS Meets or exceeds: **API CF | Everlence (MAN ES) | Wärtsilä | MaK (Caterpillar) | Yanmar**

CHARACTERISTICS*

PROPERTY	TEST METHOD	NS TPEO 330	NS TPEO 430	NS TPEO 440
SAE Viscosity Grade	SAE J300	30	40	40
Base Number, mgKOH/g	ASTM D2896	30	30	40
Density at 15°C, g/cm ³	ASTM D4052	0.903	0.906	0.912
Kinematic Viscosity @ 40°C, cSt	ASTM D445	110	138	137
Kinematic Viscosity @ 100°C, cSt	ASTM D445	12.0	14.0	14.0
Viscosity Index	ASTM D2270	98	97	97
Flash Point (COC), °C	ASTM D92	240	245	245
Pour Point, °C	ASTM D97	-12	-12	-9

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

PROPERTIES & BENEFITS

Acid Neutralization

A high alkaline reserve neutralises strong acids from high sulphur fuels, protecting liners, rings and bearings from corrosion.

Deposit Control

High-temperature detergency limits deposits on ring belts, piston under-crowns and cam boxes.

Water Separation

Rapid demulsibility lets the purifier remove water and insolubles, protecting the charge.

BN Retention

Alkalinity is retained over long periods, sustaining protection between oil changes and top-ups.

Fuel Compatibility

Strong dispersancy handles asphaltenes and sludge from poor quality residual fuels.

Load Carrying Capacity

Extreme-pressure performance extends use to reduction gears, bearings and stern tubes.