

UNIMAR TBN 30

PRODUCT DESCRIPTION

UNIMAR TBN 30 marine lubricant is specially formulated engine oil for lubricating medium-speed trunk piston medium-speed diesel engines found on ships, coastal vessels, tugboats as well as land-based stationary power-generation equipment. United UNIMAR TBN 30 lubricant is suitable for use in engines burning residual fuels with a fuel sulfur content of 1.5% to 3.5% sulfur.

UNIMAR TBN 30 lubricant contains a balanced additive composition used in conjunction with highly refined base oils to produce a product which imparts useful performance characteristics such as high load carrying capacity, good detergency and dispersancy properties, excellent rust and corrosion protection for all engine parts and strong alkalinity reserve to neutralize acids formed from the combustion of distillate fuels.

UNIMAR TBN 30 is compatible with all medium-speed trunk-piston engine marine lubricants sold in the market and can be used for lubricating gear transmissions, turbo-chargers, oil lubricated stern tubes and other shipboard machinery.

APPLICATIONS / BENEFITS

- ❑ Good oxidation stability.
- ❑ Improve cylinder and bearing wear.
- ❑ Outstanding water-shedding properties.
- ❑ Rust and oxidation protection.
- ❑ Strong acid neutralizing properties.
- ❑ Reduced port, valves piston and ring deposits.
- ❑ Compatible with other competitive lubricants.

TYPICAL CHARACTERISTICS

TEST DESCRIPTION	METHOD	TYPICAL RESULTS		
	UNIMAR	330	430	530
SAE Grade	SAE J 300	30	40	50
Specific Gravity @ 15°C	ASTM D-4052	0.900	0.905	0.908
Flash Point, °C	ASTM D-92	230	248	256
Pour Point, °C	ASTM D-97	-9	-9	-9
Kinematics Viscosity @ 40°C (cSt)	ASTM D-445	106	147	216
@ 100°C (cSt)	ASTM D-445	11.8	14.7	18.8
Viscosity Index	ASTM D-2270	99	99	97
TBN (mgKOH/g)	ASTM D-2896	30	30	30
Colour	ASTM D-1500	4.5	< 5.0	< 5.0

PERFORMANCE STANDARDS

- API CF/CD