

TECHNICAL PRODUCT SHEET

POSEIDON HT/20

SAE 30, 40



DESCRIPTION

POSEIDON HT/20 Series consists of premium trunk piston engine oils specifically designed for use in medium-speed engines operating on 0.50% and 0.10% sulfur fuels and LNG. They have excellent detergency and dispersant properties, hence ensuring outstanding cleanliness of both the hot and cold parts of an engine and preventing corrosive wear over long periods of operation. They demonstrate excellent high temperature oxidation and thermal stability, low volatility, easy water separability and high load carrying properties.

APPLICATIONS

POSEIDON HT/20 Series employs advanced, versatile chemistry to be able to cover for engines operating on IMO-compliant residual, blended and distilled fuels and to be recommended for alternating natural gas dual-fuel engines. They have been designed for use in highly rated medium-speed marine and stationary trunk piston engines that are intended as main propulsion sources, for auxiliary use, or for certain generators (running mainly at part load) in offshore and shore environments and can accommodate fuels with sulfur content up to 2%. They can, also, be used to lubricate reduction gears and certain other ship-board applications, according to OEMs' guidelines. POSEIDON HT/20 oils are approved by Everlence ES.

SPECIFICATIONS

Everlence ES (NOL)
Wärtsilä (NOL)
Rolls-Royce
Meets: API CF

Yanmar
Daihatsu
MaK
Hyundai HiMSEN

PROPERTIES

POSEIDON HT/20 series deliver high-performance anti-wear protection with excellent viscosity retention, ensuring reliable operation under demanding engine conditions. Their optimized detergent and dispersant technology maintain outstanding engine cleanliness, while very good thermal and oxidation stability support long service life and consistent performance. Designed for versatility, the POSEIDON HT/20 series is suitable for engines operating on IMO-compliant and residual, blended, and distilled fuels ($\leq 2\%$ wt. sulfur), offering dependable protection across diverse marine applications.

BENEFITS

POSEIDON HT/20 series provide strong protection against adhesive wear, reducing top-ups and contributing to extended engine life. They secure exceptional cleanliness in the crankcase, pistons and oil rings, while offering high resistance to the thermal stresses encountered in highly rated trunk piston engines, supporting long oil life and improved oil consumption control. As effective balancing lubricants, the POSEIDON HT/20 series are suitable for engines switching between residual fuel and distillate operation, ensuring consistent performance across varying fuel conditions.



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PHYSICAL-CHEMICAL CHARACTERISTICS

POSEIDON HT/20	METHOD	3020	4020
SAE Grade		30	40
Density at 15°C, g/cm ³	ASTM D4052	0.902	0.904
Viscosity, Kinematic (cSt) 40°C	ASTM D445	110.0	140.0
Viscosity, Kinematic (cSt) 100°C	ASTM D445	12.0	14.1
Viscosity index	ASTM D2270	98	99
Flash point, COC, °C	ASTM D92	245	250
Pour point, °C	ASTM D97	-18	-15
TBN, mgKOH/g	ASTM D2896	20	20

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.

