

TECHNICAL PRODUCT SHEET

POSEIDON HT

SAE 30, 40



DESCRIPTION

POSEIDON HT series consists of premium trunk piston engine oils for use in medium-speed engines operating on fuels ranging from low sulfur fuel oil (LSFO) to higher sulfur residual heavy fuel oils (HFO). 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 series employs advanced, versatile chemistry to be able to cover engines operating on IMO-compliant and residual fuels of 1% up to 4.5% sulfur content. It has been designed for use in highly rated medium-speed marine and stationary trunk piston engines that are intended as main propulsion units, for auxiliary use, or for certain generators (running mainly at part load) that can be found in deep-sea vessels, coastal ships and shore power generation plants. POSEIDON HT TPEOs can, also, be used to lubricate stern tubes and reduction gears, according to OEMs' guidelines. POSEIDON HT oils are approved by MAN ES and Wärtsilä.

SPECIFICATIONS

Everllence ES (NOL)

Wärtsilä (NOL)

Rolls-Royce

Meets: API CF

Yanmar

Daihatsu

MaK

Hyundai HiMSEN

PROPERTIES

POSEIDON HT are a series of high-performance engine oils engineered to deliver exceptional anti-wear protection and excellent viscosity retention under severe operating conditions. Their advanced detergent and dispersant chemistries ensure superior engine cleanliness, while very good thermal and oxidation stability support long oil life and reliable performance. Designed for engines operating on IMO-compliant and residual fuels ($\leq 4.5\%$ wt. sulfur), the POSEIDON HT series provides robust protection and consistent efficiency across demanding marine applications.

BENEFITS

POSEIDON HT lubricants offer strong protection against adhesive wear, reducing the need for top-ups and contributing to extended engine life. They ensure exceptional cleanliness of the crankcase, pistons and oil rings, while resisting the high thermal stresses typical of modern high-rated trunk piston engines—resulting in long oil life and effective oil consumption control. Designed for versatility, the POSEIDON HT series provides a single lubricant solution suitable for a wide range of shore and offshore applications.



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PHYSICAL-CHEMICAL CHARACTERISTICS

POSEIDON HT	METHOD	3030	4030	3040	4040	3050	4050
SAE Grade		30	40	30	40	30	40
Density at 15°C, g/cm ³	ASTM D4052	0.902	0.904	0.905	0.911	0.902	0.916
Viscosity, Kinematic (cSt) 40°C	ASTM D445	110.0	138.0	110.0	139.0	110.2	141.0
Viscosity, Kinematic (cSt) 100°C	ASTM D445	12.0	14.0	12.0	14.0	12.0	14.3
Viscosity index	ASTM D2270	98	97	98	97	97	99
Flash point, COC, °C	ASTM D92	248	252	244	252	245	252
Pour point, °C	ASTM D97	-18	-15	-15	-15	-15	-15
TBN, mgKOH/g	ASTM D2896	30	30	40	40	50	50

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.

