



MARINE

POSEIDON HT



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 for 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.

CHARACTERISTICS-BENEFITS

CHARACTERISTICS	BENEFITS
High performance anti-wear protection combined with excellent viscosity retention.	Protection against adhesive wear and fewer top-ups required; subsequently, engine's life prolongation.
Advanced technology detergent and dispersant chemistry.	Exceptional crankcase, piston and oil rings cleanliness.
Very good thermal and oxidation stability.	Resistance to high thermal stresses developed in high-rated trunk piston engines; long oil life and good oil consumption control.
For engines running on IMO-compliant and residual fuels ($\leq 4.5\%$ wt. sulfur).	One lubricant for different shore and offshore applications.

PHYSICAL-CHEMICAL CHARACTERISTICS

POSEIDON HT	METHOD	3030	4030	3040	4040	3050	4050
SAE		30	40	30	40	30	40
Density at 15°C, g/cm ³	ASTM D1298	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	11.95	14.3
Viscosity index	ASTM D2270	98	97	98	97	97	99
Pour point, °C	ASTM D97	-18	-15	-15	-15	-15	-15
Flash point, COC, °C	ASTM D92	248	252	244	252	245	252
TBN, mgKOH/g	ASTM D2896	30	30	40	40	50	50

The abovementioned characteristics represent mean values.

SPECIFICATIONS

MAN ES (NOL), Wärtsilä (NOL), Rolls-Royce, Yanmar, Daihatsu, MaK, Hyundai HiMSEN
Meets: API CF