

PRODUCT DATA SHEET



Athen Marine TPEO BN 40 Series

Marine Trunk Piston Engine Oil for medium-speed 4-stroke diesel engines.

Product Description

Marine Trunk Piston Engine Oil is specially designed for modern Medium Speed 4-stroke Marine Diesel Engines running on Intermediate Fuel Oil (IFO) or Heavy Fuel Oil (HFO). This oil is available in SAE 30 & 40 viscosity grades with a BN (Base Number) of 40. These oils meet the performance requirements of API CF.

Features & Benefits

- Excellent detergency and dispersancy, Acidic by-products are effectively neutralized
- Better Demulsibility characteristics ensure water separation
- Robust anti-wear technology protects piston & linear wear
- Improved thermo-oxidative stability retards oil degradation

Applications

- **Athen Marine TPEO 3040, 4040 & 5040** with a BN of 40 are suitable for engines operating on residual fuels having a Sulphur content up to 4.5 %
- Recommended medium-speed diesel engines in marine, power generation, and industrial applications operating on residual fuels.

Athen Marine TPEO		3040	4040
Typical Characteristics	SAE Grade	30	40
	BN	40	
API		CF	CF
Specification Meets and Exceeds		Wartsila	
Test Parameters	ASTM Method	Typical Values	
Density @ 15 °C, kg/l	D 1298	0.905	0.914
Viscosity @ 100°C, cSt	D 445	11	15
Viscosity Index	D 2270	100	100
Flash Point, °C	D 92	220	230
Pour Point, °C	D 97	-15	-15
BN, mg KOH/g	D 2896	40	40

"Data provided in this PDS is based on standard tests under laboratory conditions and is indicative only. Minor variations that do not affect product performance are expected in normal manufacturing. This product should not be used for any purpose other than those expressly set out in this PDS.