

# PRODUCT DATA SHEET



## Athen Marine TPEO BN 30 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 30. 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 3030, 4030 & 5030** with a BN of 30 are suitable for engines operating on residual fuels having a Sulphur content up to 3.5 %
- Recommended for medium speed diesel engines in marine, power generation and industrial applications operating on residual fuels.

Athen Marine TPEO		3030	4030
Typical Characteristics	SAE Grade	30	40
	BN	30	
API		CF	CF
Specification Meets and Exceeds		Wartsila	
Test Parameters	ASTM Method	Typical Values	
Density @ 15 °C, kg/l	D 1298	0.899	0.905
Viscosity @ 100°C, cSt	D 445	11	14.5
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	30	30

*"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.*