

Petrogulf Marine TPEO

Marine Trunk Piston Engine Oil for 4-stroke Marine Diesel

PRODUCT DESCRIPTION

Petrogulf Marine TPEO is trunk piston engine oil designed for use in medium speed diesel engines operating on residual fuels in marine, power generation and industrial applications. The superior additive technology used in this oil provides excellent engine cleanliness & wear protection under different operating conditions. This oil is available in SAE 30 & 40 viscosity grades with a BN (Base Number) ranging from 30 to 55.

FEATURES & BENEFITS

- ❖ Excellent detergency and dispersancy reduces build-up of soot & black sludge and keeps the engine cleaner
- ❖ Acidic by-products are effectively neutralized and the engine is protected from corrosive wear
- ❖ Better demulsibility characteristics ensure water separation leading to trouble free operation
- ❖ Strong anti-wear technology that provides protection against piston & linear wear and good gear performance leading to reduction in maintenance costs
- ❖ Improved thermo-oxidative stability retards oil degradation facilitating extended oil life
- ❖ Exhibit a high degree of water tolerance and have better water separation and base retention properties.

APPLICATIONS

- ❖ Recommended for medium speed diesel engines in marine, power generation and industrial applications operating on residual fuels.
- ❖ **Petrogulf Marine TPEO3055 & 4055** is formulated for engines operating on high sulphur residual fuels. This is recommended for those engines where the frequency of topping-up/replenishment is less frequent.
- ❖ **Petrogulf Marine TPEO3040 & 4040** are suitable for engines operating on residual fuels having sulphur content in excess of 3.5%
- ❖ **Petrogulf Marine TPEO3030 & 4030** are suitable for engines operating on residual fuels having sulphur content in excess of 2.5% and up to 3.5 %
- ❖ Recommended for general lubrication of shipboard equipment where specialized lubricants are not required.

TYPICAL PROPERTIES

API/ISO :		3030	3040	4030	4040	4055
SAE :		30	30	40	40	40
PROPERTIES	ASTM					
Appearance	Visual	B&C	B&C	B&C	B&C	B&C
Vis@100 (cSt)	D-445	10.2-12.5	10.2-12.5	13.2-15.5	13.2-15.5	13.2-15.5
Vis@40 (cSt)	D-445	Report	Report	Report	Report	Report
Viscosity Index	D-2270	>95	>95	>95	>95	>95
Specific Gravity	D-4052	0.899-0.909	0.906-0.916	0.902-0.912	0.907-0.917	0.915-0.925
Pour Point (degC)	D-97	-6	-6	-6	-6	-6
Flash Point(degC)	D-92	>225	>225	>230	>230	>230
Foaming	D-892	NIL	NIL	NIL	NIL	NIL
TBN (mg KOH/gm)	D-2896	27-32	38-43	27-32	38-43	48-58

** These characteristics are typical of current production. Whilst future production will conform to PetroGulf's specification, variations in these characteristics may occur.

HANDLING, HEALTH AND SAFETY

- ⚠ Lubricants consisting of highly refined mineral oils with specific additives under normal conditions of use, presents no particular toxic hazard. All lubricants, of any kind should be handled with great care, particularly avoiding any contact with skin.
- ⚠ Prevent any splashing and keep away from combustible materials. Store under cover and away from any risk of pollution. Dispose off used oil correctly; don't pour down drains, into water courses or the soil.
- ⚠ Take used oil to an authorized collection point.