



Hyundai XTeer TPEO 12 and 15 series of products are premium performance trunk piston engine oils designed for use in medium-speed diesel engines operating exclusively on distillate fuels.

These products have been formulated to provide outstanding performance in applications experiencing conditions of very high oil requirement. The exceptional additive technology ensures the range of Hyundai XTeer TPEO 12 and 15 series of products have exceptional detergency and oxidative stability. They possess excellent water shedding and corrosion protection. They are available in a range of TBN and viscosity grades.

◆ Application

- Recommended for medium speed engines used in marine, power generation and industrial applications operating on distillate fuels having sulfur contents up to 1.5%.
- Possesses good liner lacquer control for applications prone to lacquer formation.
- Recommended for general lubrication of shipboard equipment where specialized lubricants are not required.
- Follow manufacturers' recommendation for selection of suitable BN level / viscosity grade.

◆ Features & Benefits

- Excellent detergency ensure excellent piston cleanliness
- Exceptional thermal and oxidation stability
- Good water shedding and corrosion protection properties with minimal additive depletion
- Anti-wear performance provides protection to piston & linear and gears
- Excellent BN and viscosity retention to prolong oil service life
- Meets the requirements of major marine main engine manufacturers such as Wartsila, MAN, HImSEN, Yanmar & Daihatsu

◆ Typical properties

Hyundai XTeer TPEO	3012	3015	4012	4015
SAE Grade	30	30	40	40
Base Number, mg KOH/g (ASTM D2896)	12	15	12	15
Viscosity (cSt) @100°C (ASTM D445)	11.0	11.0	13.6	13.6
Viscosity Index (ASTM D2270)	105	105	105	105
Pour Point(°C) (ASTM D97)	-21	-21	-21	-21
Flash Point (°C, COC) (ASTM D92)	238	238	253	253
Density @ 15°C, g/ml (ASTM D4052)	0.8712	0.8712	0.8733	0.8733

Above test results are new fluid's typical properties, can be changed by quality improvement.

Updated: Oct/2016