



ATLANTIC MARINE TRUNK PISTON ENGINE OIL TPM

Medium-Speed Trunk-Piston Diesel Engine Oil, VLSFO

DESCRIPTION

ATLANTIC MARINE TRUNK PISTON ENGINE OIL TPM series are trunk piston engine oil designed for use in medium speed diesel engines operating on distillate fuels and Very Low Sulphur Fuels (VLSFO) having sulphur contents <0.5 % . The modern additive technology used in this oil provides superior engine cleanliness & protection. This oil is available in SAE 30 & SAE 40 viscosity grades with a BN (Base Number) of 12 to 20. These oils exhibit a high degree of water tolerance and meet the performance requirements of API CF.

FEATURES AND BENEFITS

- Superior detergency ensures piston and crankcase cleanliness.
- Improved anti-wear property minimises engine wear and reduces maintenance costs.
- Excellent thermo-oxidative stability retards oil degradation and controls its viscosity.
- Reserve BN ensures protection of engine parts against corrosive combustion products.
- Better demulsibility characteristics ensure water separation leading to trouble free operation.
- Special rust & corrosion inhibitors prevent corrosion of engine parts in severe salt water environment

APPLICATIONS

- Recommended for medium speed engines used in marine, power generation and industrial applications operating on distillate fuel, Very Low Sulphur Fuel (VLSFO) having sulphur contents <0.5% and Ultra Low Sulphur Fuel (ULSFO) having Sulphur content less than 0.1%. This product is also suitable for older engines where liner-lacquer is not a potential problem.
- Oils of appropriate BN to be chosen based on the sulphur content of fuel used. Follow manufacturers' recommendation for selection of suitable BN level/ viscosity grade.
- Also recommended for general lubrication of shipboard equipment where specialised lubricants are not required or use of API CF quality oils are adequate.

RECOMMENDATIONS / SPECIFICATIONS

API service: exceeds CF specification

Meets or exceeds the quality requirements of the all major medium speed engine manufacturers such as WÄRTSILÄ, MAN diesel, Caterpillar MaK, Yanmar, Daihatsu, MWM Deutz, SKL Motor, HIMSEN & Rolls Royce

TYPICAL TECHNICAL PROPERTIES

| PRODUCT CODE: | ML-251101 | ML-251102 | ML-251103 | ML-251104 | ML-251105 | ML-251106 |
|--|-----------|-----------|-----------|-----------|-----------|-----------|
| Product Name | TPM 30012 | TPM 40012 | TPM 30015 | TPM 40015 | TPM 30020 | TPM 40020 |
| SAE Viscosity Grade | 30 | 40 | 30 | 40 | 30 | 40 |
| Density at 15°C, g/ml, ASTM D4052 | 0.889 | 0.897 | 0.892 | 0.896 | 0.895 | 0.901 |
| Kinematic Viscosity at 100°C, mm²/s, ASTM D445 | 11.2 | 14.5 | 11.0 | 14.5 | 11.4 | 14.3 |
| Viscosity Index, ASTM D2270 | 100 | 99 | 99 | 98 | 100 | 99 |
| Flash Point(COC), °C, ASTM D92 | >216 | >216 | >216 | >216 | >216 | >216 |
| Pour Point, °C, ASTM D97 | -18 | -18 | -18 | -18 | -18 | -18 |
| Total Base Number, mg KOH/g, ASTM D2896 | 12 | 12 | 15 | 15 | 20 | 20 |

Note: These characteristics are typical of current production. While future production will conform to Atlantic's specification, variations in these characteristics may occur.

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* supersedes all previous versions

Packing: 200L, 208L, 1000L, BULK