



MARINE TPEO 412

Product Description:

MARINE TPEO 412 is a high quality marine diesel engine oil, developed for high output, medium speed trunk piston diesel engines, running on distillate or light residual fuel with a sulphur content of maximum 1.0%

MARINE TPEO 412 is based on high quality virgin mineral base oils in combination with an unique additive package to ensure the following properties:

- Exceptional detergency reduces build-up of soot & black sludge, improves tolerance for fuel contaminants and keeps the engine clean.
- Good anti wear properties,
- Good superior demulsibility
- Good protection against bearing corrosion
- Good protection against 'bore-polishing' and lacquering.
- Excellent thermo-oxidative stability retards oil degradation facilitating extended oil life.

MARINE TPEO 412 exceeds the following performance criteria:

API CF

Property	Unit	Test Method	Typical Value
SAE Grade		SAE J300	40
Density@15°C	kg/m ³	ASTM D4052	899
Kin. Viscosity @40°C	mm ² /s	ASTM D7042	146
Kin. Viscosity @100°C	mm ² /s	ASTM D7042	14.4
Viscosity Index		ASTM D2270	96
Flash Point COC	°C	ASTM D92	>230
Pour Point	°C	ASTM D7346	-18
Total Base Number	mgKOH/g	ASTM D2896	12

Product Nr: 42850

Date Superseded: 04-06-2012

Date Issued: 17-12-2019

Revision nr: 02

