



HIGH PERFORMANCE SYSTEM OIL FOR CROSSHEAD DIESEL ENGINES

SPECIFICATIONS

API CF

DESCRIPTION

MarineGard 12 are high performance diesel engine oil for use in trunk piston engines operating on low sulphur distillate in marine and industrial applications. MarineGard 12 are especially formulated to resist to oxidation, corrosion and viscosity increase and have an excellent water separating properties.

FEATURES AND BENEFITS

- Excellent wear control and extend engine life.
- Excellent thermal stability and oxidation resistance to extend periods between inspections, overhaul and cleaning.
- Excellent Detergent/dispersivity properties to keep engine clean and extend its life.
- Offer a strength corrosives wear protection.

APPLICATIONS

MarineGard 12 series diesel engine oils are intended for use as cylinder and bearing lubricants in marine and industrial diesel engines operating on distillate fuels or light fuel blends. They are particularly effective in small bore, high speed engines in fishing fleets, in new severe service engines, and in many types of medium speed engines.

- Diesel marine and industrial engines operating on distillate fuels (sulphur contain under 2%).
- High speed Engines and small cylinders fishing fleets.
- Modern engines in intensive use.



TYPICAL PROPERTIES

	Test Method	Marine Gard 312	Marine Gard 412
Grade SAE		30	40
Viscosity @ 40°C - cSt	ASTM D 445	105	140
Viscosity @ 100°C - cSt	ASTM D 445	12	14.5
Viscosity index	ASTM D 2270	100	100
Sulphated Ash, wt%	ASTM D 874	2.1	2.1
TBN - mg KOH/g	ASTM D 2896	12.3	12.3
Pour point °C	ASTM D 97	-9	-9
Flash point °C	ASTM D 92	266	272
Density @ 20°C - kg/l	ASTM D 4052	0.89	0.9

The characteristic values appeared on the top in the table are typical values given only as an indication.

HEALTH AND SAFETY

This product used as our recommendation for intended application not expected to produce any particular risk. A safety data sheet of this product is available for a simple request from your sales contact office or via internet. In case of used oil elimination, please respect the regulation and protect the environment.