



Description

Mariner Marine 3 oils comprise a range of marine lubricants specially formulated for the lubrication of high and medium speed 4-stroke diesel engines. These oils are especially suitable for modern high-medium speed engines running on distillate.

Properties

- High detergent capacity that keeps the engine clean.
- Adequate alkaline reserve (TBN) that confers great capacity to neutralise the acids formed during combustion.
- Excellent thermal stability.
- Good filterability.

Quality levels, approvals and recommendations

- ACEA E2
 - API CF/SF
 - MAN 270
 - MB 228.0
 - MTU Type 1
 - REINTJES BV1597/2, BV2060/2 (30)*
 - REINTJES BV1597/4, BV2060/4 (40)*
 - YANMAR 4-stroke diesel engines*
- *Formal approval

Technical specifications

	UNIT	METHOD	VALUE	
SAE Grade			30	40
Colour	-	Visual	4.5	4.5
Density at 15 °C	g/cm ³	ASTM D4052	0.896	0.900
Kinematic viscosity at 40 °C	cSt	ASTM D445	105	148
Kinematic viscosity at 100 °C	cSt	ASTM D445	11.9	14.9
Viscosity index	-	ASTM D2270	>98	>98
Flash point, open cup	°C	ASTM D92	>215	>225
Pour point	°C	ASTM D97	-24	-21
Sulphated ashes	% in weight	ASTM D874	1.1	1.1
TBN	mg KOH/g	ASTM D2896	9.5	9.5

The above mentioned characteristics are typical values and should not be considered product specifications.