

MDM 40

**Lubricant for boat or power plant 4 stroke Diesel engines high or medium speed
Turbocharged and Naturally Aspirated**

TYPE OF USE

Designed especially for high displacement 4 stroke Diesel engines, high or medium speed, inboard professional boats engine, on board or static generator engines...

Suitable for any type of diesel engines, turbocharged or not : boats, power plants, trucks, buses, bulldozers, construction or farm machinery...

Specially recommended for engines running with Diesel fuels containing high Sulfur percentage (around 2%) mainly used in Africa, Asia, Middle East...

Recommended for mechanical transmissions and shafts when the manufacturer requires a monograde engine oil.

PERFORMANCES

STANDARDS API CF / SE
 MIL-L -2104 E Engines

PERFORMANCES PIELSTICK Jirama

API CF performance requires high performance detergent and dispersants, this ensures engine cleanliness.

Outstanding resistance at high temperature to avoid deposits build up and dirty engines.

Low viscosity index (99) maintains higher viscosity around 70°C/158°F, providing outstanding reduction gears, cam drive gears and drive line lubrication : Extreme Pressure resistance and anti-wear.

Excellent anti-wear performance increases cylinder liners and piston life time.

Compatible with centrifuge filtration systems.

Anti-oxidant, Anti-corrosion, Anti-rust, Anti-foam.

Particularly efficient using high Sulfur fuel (around 2%). The high TBN represents detergency / dispersant performance of the oil and allows neutralizing acid combustion residues. The quantity of acid residues produced is directly linked to fuel sulphur content, drain intervals may be adapted to Sulfur content.

RECOMMENDATIONS

Oil change : according to manufacturer requirements and oil analysis results.

We retain the right to modify the general characteristics of our products in order to offer to our customers the latest technical development.

Product specifications are definitive from the order which is subject to our general conditions of sale and warranty. Made in FRANCE

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PROPERTIES

Viscosity grade	SAE J 300	40
Density at 20°C (68°F)	ASTM D1298	0.895
Viscosity at 40°C (104°F)	ASTM D445	161.0 mm ² /s
Viscosity at 100°C (212°F)	ASTM D445	15.7 mm ² /s
Viscosity Index	ASTM D2270	99.0
Pour point	ASTM D97	-15.0 °C / 5.0 °F
Flash point	ASTM D92	274.0 °C / 525.0 °F
Sulfated Ash	ASTM D874	2.63 % weight
TBN	ASTM D2896	20.0 mg KOH/g
Microcoking	MAO 64	273.0 °C / 523.0 °F
FZG Load stage		