



# MARINE 4T 15W-40

Oil for Marine engines

Diesel Inboard 4 stroke

## TYPE OF USE

All recreational and professional 4 stroke boats, along the coast or on rivers.

Diesel inboard engines, turbocharged or not :

BAUDOIN, CATERPILLAR, CUMMINS, IVECO, IVECO, LOMBARDINI, MERCUISER, MTU, NANNI, MAN, PERKINS, SEENERGIE, VETUS-DEUTZ, VOLVO, YAMAHA, YANMAR...

Gasoline Inboard engines : CRUSADER, MERCUISER, VOLVO, YAMAHA...

## PERFORMANCES

STANDARDS Diesel : API CG-4 / CF-4 (exceeds API CD – CE – CF)

Gasoline : API SG, SF

SPECIFICATIONS MAN 271, VOLVO VDS – MIL-L-2104 E - CATERPILLAR

Used in first filled and officially recommended by BENETEAU shipyards (Caterpillar, Mercruiser, perkins, Volvo and Yanmar engines), and NANNI Diesel and YANMAR importer in France.

High detergency and dispersive properties to neutralise acid residues created by fuel combustion, and to prevent from deposit formation.

High anti friction properties and reinforced anti-corrosion additivation to increase engine life.

## RECOMMENDATIONS

Oil change : According to manufacturers' recommendations ant to be adjusted according to use and oil test results.

MOTUL MARINE 4T can be mixed with synthetic or mineral oils.

## PROPERTIES

Viscosity grade	SAE J300	15W-40
Density at 15°C (59°F)	ASTM D1298	0.882
Viscosity at 40°C (104°F)	ASTM D445	110 mm <sup>2</sup> /s
Viscosity at 100°C (212°F)	ASTM D445	14.0 mm <sup>2</sup> /s
Viscosity index	ASTM D2270	128
Flash point	ASTM D92	224°C / 435°F
Pour point	ASTM D97	-33°C / -27°F
TBN	ASTM D 2896	9.8 mg KOH/g