



INBOARD 4T 15W-40

Oil for Marine engines

**Inboard 4 Stroke Diesel engines supercharged
or turbocharged**

TYPE OF USE

All recreational and professional 4 Stroke engines fitted on boats, along coast or on rivers. Last generation Diesel inboard engines, supercharged, turbocharged or naturally aspirated, direct injection "Common Rail" or "Pump Injector" type, running with a low/medium Sulphur content fuel up to 1%: BAUDOIN, CATERPILLAR, CUMMINS, IVECO, LOMBARDINI, MERCUISER, MTU, NANNI, MAN, PERKINS, VETUS-DEUTZ, VOLKSWAGEN, VOLVO PENTA, YAMAHA, YANMAR... Gasoline Inboard engines: CRUSADER, MERCUISER, VOLVO PENTA, YAMAHA... Also suitable for invertors (HURTH, TECHNODRIVE...) according to manufacturer recommendations.

PERFORMANCES

STANDARDS	Diesel: ACEA E7 (E5 and E3), API CI-4 / CH-4 / CG-4 / CF-4 (exceeds API CD – CE – CF)
	Gasoline: API SG, SF
PERFORMANCES	CATERPILLAR ECF-1, CUMMINS 20071-20072-20076-20077-20078, MAN M 3275, Global DHD-1, MTU Type II, VOLVO VDS-3 / VDS-2

Protects against corrosion due to moisture and salt, neutralizes acid combustion residues from fuel, and increases engine life time.
Prevents emulsion with water.
Reinforced in detergents and dispersants to warranty engine cleanliness and prevent from deposit build up on pistons and into engine sump.
Anti-friction properties to minimize fuel consumption.

RECOMMENDATIONS

Oil change: According to manufacturers' recommendations and to be adjusted according to use and oil test results.
Can be mixed with synthetic or mineral oils.

PROPERTIES

Viscosity grade	SAE J300	15W-40
Density at 20°C (68°F)	ASTM D1298	0.873
Viscosity at 40°C (104°F)	ASTM D445	105 mm ² /s
Viscosity at 100°C (212°F)	ASTM D445	15.1 mm ² /s
Viscosity Index	ASTM D2270	147
Flash point	ASTM D92	224°C / 435.2°F
Pour point	ASTM D97	-38°C / -36.4°F
TBN	ASTM D 2896	10.6 mg KOH/g

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 not definitive from the order which is subject to our general conditions of sale and warranty. – Made in France

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