

# NAUTICO DIESEL BOARD 4T 15W-40

NAUTICAL

Lubricants



## Description

Multigrade oil specially formulated for modern four-stroke onboard marine diesel engines and water-cooled off-board engines. Its balanced formula complies with the demanding requirements of marine engine manufacturers. It enables operations in leisure vessels under the most severe conditions.

## Properties

- Avoids segment sticking by dispersing mud, varnishes and other high temperature oil oxidation products.
- Contains efficient antirust and anticorrosion inhibitors that protect the engine in the water.
- Good cold-flow which facilitates ignition and reduces engine wear.
- Its selected components endow it with enhanced shearing resistance, maintaining its design viscosity during the life of the oil.
- Excellent lubrication capacity, thus increasing the life of the engine.
- Avoids the appearance of mud, thanks to its dispersing additives. As a result, the engine and component cleanliness is optimal at all times.
- A highly stable alkaline reserve (TBN) gives great capacity to neutralise the acids formed in combustion.

## Quality Levels

- API CI-4/CH-4/SL
- MAN 3275
- CUMMINS 20076/20077/20078
- ACEA E7/E5
- VOLVO VDS-3

## Technical specifications

	UNIT	METHOD	VALUE
SAE GRADE			15W-40
Density at 15 °C	g/cm <sup>3</sup>	ASTM D 4052	0.882
Viscosity at 100 °C	cSt	ASTM D 445	14.6
Viscosity at 40 °C	cSt	ASTM D 445	108
Viscosity at -20 °C	cP	ASTM D 5293	7000 max.
Viscosity index	-	ASTM D 2270	141
Flash point, open cup	°C	ASTM D 92	215 min.
Pour point	°C	ASTM D 97	-27 max.
T. B. N.	mg KOH/g	ASTM D 2896	10.5
Bosch Injector Shearing: Viscosity at 100 °C after shear	cSt	CEC L014 93	12.5 min.
Noack Volatility 1h at 250 °C	% in weight	CEC L 040 93	12 max.

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

A safety information file is available on request.

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Technical data sheet for Lubricants. Revision 3. July 2019.