



OCEAN SP 4T

SAE 10W/40

Description

OCEAN SP 4T SAE 10W/40 is a high-performance engine oil for marine use. This engine oil is excellent for use in both heavy supercharged 4-stroke diesel engines and in petrol engines.

Innovative corrosion inhibitors are also used, which provide effective protection against corrosion damage caused if the engine is not used for long periods and atmospheric humidity is high.

Advantages

- for inboard and outboard engines
- extremely effective corrosion protection
- minimal oil consumption
- shear stability (stay-in-grade)

Field of application

Excellent for all 4-stroke diesel and petrol engines with and without turbochargers, which are exposed to a high corrosion risk as a result of long periods without use and special environmental conditions.

Specifications

ACEA E7-12, E5-12, A3/B4-04, A3/B3-04
API CI-4, CH-4, CG-4/ SL, SJ

Safety + Performance:

VOLVO VDS-3, MB 228.3/ 229.1
MTU Type 2, MAN M 3275-1
CUMMINS CES 20076/77/78
CAT ECF-1a, ECF-2, DEUTZ DQC III

Technical data

Properties	Unit	Test according to	Values
Viscosity class		SAE J 300	10W/40
Colour		DIN ISO 2049	blue
Density at 20 °C	g/ml	ASTM D 4052	0.871
Viscosity at 40 °C	mm ² /s	DIN 51562-1	96.9
Viscosity at 100 °C	mm ² /s	DIN 51562-1	14.5
Viscosity according to HTSH at 150 °C	mPa·s	CEC-L-36-A-97	≥ 3.5
CCS at -25 °C	mPa·s	ASTM D 5293	6381
Viscosity index		DIN ISO 2909	154
Pourpoint	°C	ASTM D 5950	- 39
Flash point	°C	DIN EN ISO 2592	≥ 200
Sulphate residue content	weight %	ASTM D 874	1.4
TBN	mg KOH/g	ISO 3771	11.0
NOACK	weight %	CEC-L-40-A-93	12.0

Water hazard class: WGK 1
Disposal code: EWC 130 205

The above information is subject to change without prior notice, although they are in accordance with current standards. Performance characteristics indicated are based on usual tolerances which occur during measuring and production using the latest technology. A safety data sheet is available.

