

## Marine 4T Motor Oil 10W-40

### Description

High-performance low-friction motor oil based on synthetic technology with modern additive technology. Specially developed for maritime use. Provides excellent wear and corrosion protection and maximum engine cleanliness. Meets leading engine manufacturers' requirements. Tested for use with catalytic converters and turbochargers.

### Properties

- high wear resistance
- high engine cleanliness
- rapid oil penetration
- outstanding corrosion protection
- reliable cold start
- tested for turbochargers and catalytic converters
- can be used in gasoline and diesel engines with and without turbocharger

### Approvals

ACEA A3 • ACEA B4 • ACEA E7 • API SL • API CI-4 • Mack EO-N • Renault Trucks RLD-2 • Volvo VDS-3

**LIQUI MOLY also recommends this product for vehicles or assemblies for which the following specifications or original part numbers are required**

Caterpillar ECF-1-a • Caterpillar ECF-2 • Cummins CES 20071 • Cummins CES 20072 • Cummins CES 20076 • Cummins CES 20077 • Cummins CES 20078 • Detroit Diesel • Deutz DQC III-10 • MAN M 3275-1 • Mercury Marine • MTU Typ 2 • Selva • Suzuki Marine • Tohatsu • Yamaha

### Technical data

SAE class (engine oils)	10W-40 SAE J300
Density at 15 °C	0,865 g/cm <sup>3</sup> DIN 51757
Viscosity at 40 °C	94 mm <sup>2</sup> /s ASTM D 7042-04
Viscosity at 100 °C	14,5 mm <sup>2</sup> /s ASTM D 7042-04
Viscosity at -30 °C (MRV)	< 60000 mPas ASTM D4684
Viscosity at -25 °C (CCS)	<= 7000 mPas ASTM D5293
Viscosity index	160 DIN ISO 2909
HTHS at 150°C	>= 3,5 mPas ASTM D5481
Pour point	-36 °C DIN ISO 3016



### Technical data

Evaporation loss (Noack)	12,7 % CEC-L-40-A-93
Flash point	230 °C DIN ISO 2592
Total base number	10,5 mg KOH/g DIN ISO 3771
Sulfate ash	1,0 - 1,6 g/100g DIN 51575
Color number (ASTM)	L4,0 DIN ISO 2049

### Areas of application

For all gasoline and diesel engines in the marine sector. Especially suitable for high-load boat engines.

### Application

The specifications and instructions from the assembly or boat manufacturer must be followed. Optimum effectiveness is only possible when the product is used unmixed.

### Available pack sizes

1 l Canister plastic	25012 D-BOOKLET
5 l Canister plastic	25013 D-BOOKLET
20 l Canister plastic	25060 D-GB
60 l Drum sheet metal	25014 D-GB
205 l Drum sheet metal	25075 D-GB

**Our information is based on thorough research and may be considered reliable, although not legally binding.**