

Marine lubricants.

## Ocean 15W-40



Product developed for application in latest-generation four-stroke diesel marine engines, operating in harsh conditions and ensuring exceptional performance. It meets or exceeds OEM requirements.

### Use

- The Ocean 15W-40 product is manufactured with highly refined base oils, which give high resistance to oxidation and degradation, as well as providing stable viscosity at high temperatures and low volatility, thereby decreasing lubricant consumption. Compatible with engines equipped with exhaust after-treatment systems, such as particulate filters (DPF), which require low ash lubricants, optimizing their useful life and saving on maintenance.
- It is recommended for new engines with after-treatment systems that require API CK-4 compliant lubricants.

### Benefits

- Excellent resistance to oxidation, extending the useful life of the lubricant.
- Protects the engine from acids formed during combustion, protecting it from corrosion.
- The high level of protection and deposit removal provided by this lubricant allows the engine to be kept in perfect working order, extending its life and allowing it to always work in optimum conditions.

### Specifications

- M API CK-4
- ACEA E7/E9
- MAN 3775
- VOLVO VDS 4.5
- CUMMINS CES 20086
- MACK EO-N
- DEUTZ DQCIII-18 LA
- CATERPILLAR ECF-3

### Physical and chemical properties

Parameter	Units	Method	Ocean 15W-40
<b>SAE Grade</b>	-	-	<b>15W-40</b>
Density 15°C	kg/l	D-4052	0.886
Flash point COC	°C	D-92	234
Pour point	°C	D-97	-39
Viscosity at 40 °C	cSt	D-445	114
Viscosity at 100° C	cSt	D-445	15.30
Viscosity Index	-	D-2270	140
Base Number, (min)	mg KOH/g	D-2896	10.0
Sulfated Ash	% p	D-874	<1.0

### Health & safety and environment

A Material Safety Data Sheet providing information on product hazards, handling precautions, first aid measures, and relevant environmental data is available for this product as per applicable legislation.