

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 | • VOLVO VDS 4.5 | • DEUTZ DQCIII-18 LA |
| • ACEA E7/E9 | • CUMMINS CES 20086 | • CATERPILLAR ECF-3 |
| • MAN 3775 | • MACK EO-N | |

Physical and chemical properties

| Parameter | Units | Method | Ocean 15W-40 |
|---------------------|----------|--------|---------------|
| SAE Grade | - | - | 15W-40 |
| 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.

The typical values of the characteristics appearing in the table are average values given for guidance purposes only and do not constitute a guarantee. These values may be modified without any prior warning.