

## CEPSA OCEAN SHPD 15W40

### DESCRIPTION

CEPSA OCEAN SHPD 15W40 is a high performance diesel engine oil that has been developed to obtain excellent performance in the latest generation diesel engines in severe service. It meets or exceeds OEM requirements

It is recommended for new engines with after-treatment systems that require API CK-4 compliant oils.

### PRODUCT APPLICATIONS

- The CEPSA OCEAN SHPD oil is recommended mainly for its application in diesel engines in severe operating conditions of merchant vessels, port auxiliary ships, fishing vessels and recreational craft.
- It can also be used in auxiliary and emergency groups.

### PRODUCT PERFORMANCE

- Compatible with engines equipped with exhaust after-treatment systems, such as particulate filters (DPF) that require low ash oils, optimizing their useful life and saving on maintenance.
- Excellent resistance to oxidation, extending the useful life of the oil.
- Protects the engine from acids formed during combustion, protecting it from corrosion.
- The high level of protection and deposit removal provided by this oil allows the engine to be kept in perfect working order, extending its life and allowing it to always work in optimum conditions.

### LEVELS OF QUALITY

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

### TYPICAL CHARACTERISTICS

CHARACTERISTIC	UNITS	ASTM STANDARD	CEPSA OCEAN SHPD
<b>SAE GRADE</b>		---	<b>15W-40</b>
Density 15 °C	kg/l	D-4052	0.8865
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	15,3
Viscosity index	-	D-2270	140
Base number	mg KOH/g	D-2896	10.1
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.