

MARINE LUBRICANTS

CEPSA MAR SHPD 15W40

DESCRIPTION

The CEPSA MAR SHPD is a high performance diesel engine oil that has been developed for optimum protection and performance on both naturally aspirated and turbocharged diesel engines that work under severe high speed conditions and highly effective average progressions.

It is recommended for engines that meet the Euro III and earlier emission standards, which use diesel oils of up to 0.5% sulphur and which are not equipped with gas after-treatment systems.

PRODUCT APPLICATION

- CEPSA MAR SHPD oil is recommended primarily for use in heavy duty diesel engines on merchant ships, port auxiliaries, fishing boats and pleasure boats.
- It can also be used in emergency and auxiliary groups.

PRODUCT PERFORMANCE

- The extra anti-wear additives give CEPSA MAR SHPD a higher level of wear protection than other equivalent oils on the market.
- Formulated with highly refined base oils, which give it a high resistance to oxidation and degradation while also providing stable viscosity at high temperatures and low volatility, thus reducing oil consumption.
- Thanks to its special balance of detergent and dispersant additives, it eliminates deposits on the piston rings and valves, preventing build-up and the appearance of wear and tear and oil leakages.
- Excellent demulsibility and resistance to corrosion and rust.
- It contains highly efficient dispersant additives, which extend the useful life of the oil filters and allow them to remove the abrasive materials present in the oil, thus avoiding wear and tear on the engine.

SPECIFICATIONS

- API CH-4
- VOLVO VDS
- MACK EO-M
- ACEA E2
- MTU Type 1
- MB 228.1
- MAN 271
- CATERPILLAR ECF-1
- CUMMINS CES 20071/20076

TYPICAL CHARACTERISTICS

CHARACTERISTIC	UNITS	ASTM STANDARD	CEPSA MAR SHPD
SAE GRADE		---	15W-40
Density at 15°C	kg/l	D-4052	0.8831
Flash point V/A	°C	D-92	>220
Freezing point	°C	D-97	-30
Viscosity at 40°C	cSt	D-445	105
Viscosity at 100°C	cSt	D-445	14.40
Viscosity index	-	D-2270	141
Base number	mg KOH/g	D-2896	9.0
Sulphated Ash	% p	D-874	1.18

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 in accordance with the 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.