

MARINE LUBRICANTS

CEPSA MAR SHPD 15W40

DESCRIPTION

CEPSA MAR SHPD 15W40 is an oil for high-performance diesel engines that have been developed to obtain optimum protection and performance in diesel engines, both naturally aspirated and turbocharged, operating under high-speed and high effective average pressures.

Recommended for engines that operate with diesel C of up to 0.5% sulfur and which are not equipped with gas post-treatment systems.

PRODUCT APPLICATIONS

- The CEPSA MAR 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

- The added anti-wear additives gives CEPSA MAR SHPD a level of protection exceeding other equivalent market oils.
- Having been 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 oil consumption.
- Thanks to its special balance of detergent and dispersant additives, it removes deposits in piston valves and rings, avoiding its accumulation and providing for the appearance of oil residues and leaks.
- Excellent demulsibility and resistance to corrosion and rust.
- It contains high-efficiency dispersant additives, which extends the useful life of oil filters and allows them to remove abrasive materials present in the oil, avoiding any wear on the engine.

LEVELS OF QUALITY

- API CI-4
- VOLVO VDS-3
- MACK EO-N
- ACEA E7
- CUMMINS CES 20078
- MB 228.3
- MAN 3275-1
- CATERPILLAR ECF-2

TYPICAL CHARACTERISTICS

CHARACTERISTIC	UNITS	ASTM STANDARD	CEPSA MAR SHPD
SAE GRADE		---	15W-40
Density 15 °C	kg/l	D-4052	0.8865
Flash point COC	°C	D-92	>200
Pour point	°C	D-97	-42
Viscosity at 40 °C	cSt	D-445	99.11
Viscosity at 100° C	cSt	D-445	13.7
Viscosity index	-	D-2270	130
Base number	mg KOH/g	D-2896	11.3
Sulfated Ash	% p	D-874	1.46

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.