

## MARINE LUBRICANTS

# CEPSA LARUS 3030 / CEPSA LARUS 3040

### DESCRIPTION

The CEPSA LARUS 3040 and 3030 products offer a perfect combination of the best refined paraffin base oils and additives designed for application in four-stroke marine diesel engines using residual fuels, eliminating the problems of "black sludge" formation, and with an excellent oil/fuel compatibility. They are oils suited for IMO 2020 compliance, especially for VLSFO (Very Low Sulphur Fuel Oil, 0.5%S), or HFO (Heavy Fuel Oil, <1.5%S) depending on the manufacturer's recommendation. Compatible with the use of scrubbers. According to the manufacturer's recommendations, it is possible to use it in DF ("Dual Fuel") operations.

Intended for applications in the modern medium-speed four-stroke marine diesel engines that use residual fuels, the CEPSA LARUS oils 3040 and 3030, thanks to their high dispersant capacity, which prevents the formation of deposits (asphaltenes) in the engine, in combination with a new family of high-performance detergents, eliminates the accumulation of deposits in the piston rings and keeps the cooling gallery of the piston extremely clean.

### PRODUCT PERFORMANCE

- The initial value of the base number (TBN) of these oils is designed be a strong acid neutralizer and maintain an effective residual alkalinity, when they are used in very low-SLOC (Specific Lube Oil Consumption) engines, such as these anti-polishing ring engines.
- Specifically developed to comply with the IMO 2020 regulation.

### PRODUCT APPLICATIONS

- Compatible with the use of scrubbers.
- Excellent alkaline reserve and BN retention.
- It makes the lubricant highly compatible with the residual fuel.
- Easy water separation.
- Excellent detergents properties.
- Excellent cleaning of the camshaft, sump and refrigeration area of the piston.
- Excellent control over "black sludge".
- Drastic reduction of deposits in piston rings.
- Because of its high thermal stability, it extends the useful life of the oil.
- It reduces operating and maintenance costs.

### SPECIFICATIONS

- MAN B&W Diesel
- WÄRTSILÄ

### TYPICAL CHARACTERISTICS

CHARACTERISTICS	UNITS	ASTM STANDARD	CEPSA LARUS 3040	CEPSA LARUS 3030
<b>SAE GRADE</b>		---	<b>40</b>	<b>30</b>
Density 15 °C	kg/l	D-4052	0.9110	0.9073
Flash point COC	°C	D-92	>230	>245
Pour point	°C	D-97	-15	-27
Viscosity at 40 °C	cSt	D-445	144	100
Viscosity at 100° C	cSt	D-445	14.6	11.47
Viscosity index	-	D-2270	102	100
Base number	mg KOH/g	D-2896	31	31

### 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.