



## Description

Multi-grade lubricant that is specifically formulated for both, inboard and outboard, four-stroke marine diesel engines. Its carefully selected formula meets the demanding requirements of marine engine manufacturers. It allows leisure boats to operate even under the most severe conditions.

## Properties

- Avoids piston ring sticking by dispersing mud, varnishes and other products derived from high temperature oil oxidation.
- Contains efficient antirust and anticorrosion additives that protect the engine from water and brine.
- Easy to pump at low temperatures, which reduces engine wear.
- Enhanced shear stability that enhances the lubricant's lifespan.
- Avoids the appearance of mud, thanks to its dispersing additives. As a result, the engine and component cleanliness is optimal at all times.
- A highly stable alkaline reserve (TBN) gives great capacity to neutralize the acids formed in combustion.

## Quality levels, approvals and recommendations

- ACEA E5, E7
- API CI-4, CH-4/SL
- CUMMINS CES 20076/20077/20078
- MAN M 3275
- VOLVO VDS-3

## Technical specifications

	UNIT	METHOD	VALUE
SAE Grade			15W-40
Density at 15 °C	g/cm3	ASTM D4052	0.874
Kinematic viscosity at 40 °C	cSt	ASTM D445	108
Kinematic viscosity at 100 °C	cSt	ASTM D445	14.6
CCS Viscosity at -20 °C	cP	ASTM D5293	<7,000
Viscosity index	-	ASTM D2270	141
Flash point, open cup	°C	ASTM D92	>215
Pour point	°C	ASTM D97	<-27
Noack volatility, 1h at 250 °C	% in weight	CEC L-40-93	<12
Shearing Inj.Bosch: Vis 100 °C (90 cy)	cSt	CEC L-14-93	>12.5
TBN	mg KOH/g	ASTM D2896	10.5

The above mentioned characteristics are typical values and should not be considered product specifications.