



## PRODUCT DATA SHEET



### EKO MARINE PLUS 20W-50 Lubricant for marine 4-stroke diesel engines

#### DESCRIPTION

EKO MARINE PLUS 20W-50 is a high performance multigrade heavy-duty diesel engine oil, suitable for use mainly in older or reconditioned high-speed four-stroke marine diesel engines operating on coastal shipping, fishing, leisure boats and other applications.

EKO MARINE PLUS 20W-50 is suitable for both naturally aspirated and turbocharged diesel engines.

#### SPECIFICATIONS

ACEA E2, API CF-4/SH, MB 228.1, MAN 271.

#### APPLICATIONS

- High-speed 4-stroke marine diesel engines, where SAE 20W-50 lubricants of ACEA E2, API CF-4 or lower quality level are required.
- Applications include coastal vessels, fishing boats, lifeboats and leisure boats.
- High-speed engine generators.
- Transmission systems and auxiliary units, according to manufacturer's recommendations.

#### ADVANTAGES

- High resistance to shear: maintains a strong lubricating film at high operating temperatures.
- Water resistance: helps maintaining a strong lubricating film in the presence of seawater.
- Control of deposits and sludge: helps maintaining cleanliness of the engine.
- Strong protection against wear: increases the lifespan of all critical engine components.



## PRODUCT DATA SHEET



### TYPICAL CHARACTERISTICS

Properties	Methods	Units	EKO MARINE PLUS 20W-50
SAE Viscosity Grade	-	-	20W-50
Density, 15°C	ASTM D4052	g/ml	0.890
Kinematic viscosity, 100°C	ASTM D445	cSt	17.70
Kinematic viscosity, 40°C	ASTM D445	cSt	156.6
Viscosity index (VI)	ASTM D2270	-	125
CCS viscosity, -10°C	ASTM D5293	cP	9200
Sulfated Ash	ASTM D874	% w/w	0.8
Base number, TBN	ASTM D2896	mg KOH/g	7.0
Pour Point	ASTM D5950	°C	-27
Flash Point	ASTM D92	°C	242

### HEALTH AND SAFETY

Protect the environment while disposing of used product. Used lubricants should be collected at specific points to ensure they do not pollute the environment. Do not mix with solvents, brake fluids, antifreeze fluids and water, to allow for proper handling.

Issue 1, 19 May 2020

This data sheet provides basic information on the product as at the date of drafting. For further information regarding applications, please contact EKO ABEE Technical Support, tel. +30 210 5509 511 and +30 210 7725 418. Advice on safe handling is provided in the Safety Data Sheet.