



PRODUCT DATA SHEET



EKO OUTBOARD Lubricant for two-stroke outboard engines

DESCRIPTION

EKO OUTBOARD is a high-quality, ashless lubricant specifically formulated for two-stroke, high-performance water-cooled outboard gasoline engines.

EKO OUTBOARD can be used with gasoline in any mixing ratio. Many manufacturers of modern outboard engines recommend a 25:1 gasoline / lubricant ratio. This is a typical ratio recommendation, and it can be followed if the manufacturer does not specify a different ratio.

SPECIFICATIONS

NMMA TC-W3.

APPLICATIONS

- EKO OUTBOARD is suitable for both pre-mix, with very high fuel / lubricant ratios, and injection systems.
- EKO OUTBOARD is pre-diluted for easier mixing with fuel. Product viscosity prior to mixing is equal to approximately SAE 20.

ADVANTAGES

- It minimizes the formation of residue, and significantly reduces pre-ignition.
- It protects the engine from wear and rust even at a high fuel / lubricant ratio.
- It has a high detergent capacity, and extremely low toxicity to the marine environment.



PRODUCT DATA SHEET



TYPICAL CHARACTERISTICS

Properties	Methods	Units	EKO OUTBOARD
Density at 15°C	ASTM D 4052	g/ml	0.870
Kinematic viscosity at 40°C	ASTM D 445	cSt	51.6
Base number, TBN	ASTM D2896	mg KOH/g	5.1
Pour Point	ASTM D 5950	°C	-33
Sulfated ash	ASTM D 874	% w/w	<0.001
Flash point by closed cup tester (PMCC)	ASTM D 93	°C	90

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 4, 20 May 2019

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.