

### 100% synthetic engine oil\*

Lubricant based on "Low SAPS" and Fuel Economy additives, designed for the latest generation of engines with or without after-treatment systems.

### PERFORMANCES

#### Standards :

ACEA E6/E7/E9  
API CK-4/SN  
JASO DH-2

#### Spécifications :

**MB-Approval 228.52 / 228.51 / 228.31\***  
**MAN M 3477\*/ MAN M 3677\***  
**MAN M 3271-1\*/ MAN M 3775**  
**SCANIA LDF-4\***  
FORD WSS-M2C213-A  
MTU Type 3.1  
VOLVO VDS-4.5  
RENAULT RLD-3  
MACK EO-S-4.5  
DEUTZ DQC IV-18 LA  
CUMMINS CES 20086  
CATERPILLAR ECF-3  
JCB 4001/3100  
IVECO 18-1804 TLS

\*Approved quality or in the process of being approved

Use recommended under manufacturers' warranties.

### ADVANTAGES

The exclusive high-tech formulation of **IGOL PRO 500X** offers the following advantages:

- ✓ **Fuel savings of up to 1.3%** compared to a 15W-40 ACEA E7 oil according to the OM 501 FE test (saving of 1330 € of fuel per year, for 1 vehicle).
- ✓ Compatibility with the various anti-pollution standards for vehicles and machinery used in transport, public works and agriculture: **Euro VI – TIER 5 – Stage V**
- ✓ Reduction of the harmful effects of fuel dilution by biodiesel.
- ✓ **Low sulphate content of phosphorus and sulphur**, respecting the latest technologies of pollution control systems (EGR, FAP, SCR, DPF).
- ✓ Longer drain intervals in accordance with manufacturers' recommendations.

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## PHYSICO-CHEMICAL PROPERTIES

Characteristics	Standards	Units	Values
Density at 20°C	ASTM D4052	g/cm <sup>3</sup>	0.854
Viscosity at 40°C	ASTM D7042	mm <sup>2</sup> /s	73
Viscosity at 100°C	ASTM D7042	mm <sup>2</sup> /s	12.1
HTHS viscosity	ASTM D4683	mPa s	3.51
Viscosity index	ASTM D2270	-	163
Pour point	ASTM D97 B	°C	-44
Viscosity at -30°C	ASTM D5293-20	mPa.s	6050
COC flash point	ASTM D92	°C	226
Noack (volatility)	ASTM D5800	%m	<12
TBN (Alkalinity reserve)	ASTM D2896	Mg KOH/g	10

*\*Contains Group III base oils*

Note: Before use, always check the manufacturer's recommendations

*Characteristics are given for information only and correspond with our manufacturing standards. IGOL reserves the right to modify them to provide its customers with the benefits of technical progress. Before using this product read the instructions for use and the environmental impacts mentioned in the technical and safety data sheets. The information given above is based on the current level of knowledge relative to the product concerned. The product user should take all useful precautions relative to its use. IGOL can in no circumstances be held responsible for damage resulting from incorrect use.*

Documentary reference : III-IGOL025  
Date of issue : 22/11/2021

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