

Ultra High Performance Diesel (UHPD) engine Semi-synthetic lubricant for fuel economy and severe use.

### PERFORMANCES

#### Standards :

ACEA E7 / E11 / E9-16  
API CK-4 / CJ-4 / CI-4  
API SN  
JASO DH-2

#### Spécifications :

MTU Type 2.1  
CATERPILLAR ECF-3  
CNH MAT 3521  
DEUTZ DQC III-10 LA  
DAF motorisations Euro VI  
DAF PSQL 2.1E  
VOLVO VDS-4.5  
MERCEDES MB 228.31  
MAN M3575  
CUMMINS CES 20086  
RVI RLD-3  
MACK EO-S 4.5  
FORD WSS-M2C171-F1  
JCB 4001/3000

### ADVANTAGES

**IGOL PRO 400X** complies with the most stringent standards in force and is designed for use in applications such as public works, transport and agriculture.

**IGOL PRO 400X** is suitable for diesel engines with or without EGR, with or without particulate filter, and also for engines (anti-pollution standards: Euro VI - Tier 4 - Stage IV) equipped with an exhaust gas after-treatment system with the SCR (selective catalytic reduction) process using Ad-Blue.

Its advantageous and versatile design has been developed for the latest generation of engines but is fully backwards compatible with earlier engines.

- ✓ SAE 10W-30 viscosity grade for fuel economy.
- ✓ Low Ash formulation for protection against particulate filter clogging.
- ✓ Optimizes engine cleanliness.
- ✓ Reduces deposit formation on pistons.

Technical data sheet



### PHYSICO-CHEMICAL PROPERTIES

Characteristics	Standards	Units	Values
Density at 20°C	ASTM D4052	g/cm <sup>3</sup>	0.865
Viscosity at 40°C	ASTM D7042	mm <sup>2</sup> /s	79.4
Viscosity at 100°C	ASTM D7042	mm <sup>2</sup> /s	12.1
HTHS viscosity	ASTM D4683	mPa s	3.53
Viscosity index	ASTM D2270	-	149
Pour point	ASTM D97 B	°C	-47
CCS at -25°C	ASTM D5293-20	mPa.s	4583
COC flash point	ASTM D92	°C	226
TBN (Alkalinity reserve)	ASTM D2896	Mg KOH/g	10.54

**IGOL PRO 400X** is miscible with most conventional oils but to ensure its performance level it is recommended that a complete oil change be carried out.

*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.

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