

Mineral oil

Ultra High Performance Truck (UHPD) Low SAPS engine lubricant

PERFORMANCES

Standards :

ACEA E9
API CK-4
JASO DH-2

Spécifications :

VOLVO VDS-4.5
RENAULT VI RLD-3
MACK EO-O 4.5
MERCEDES MB 228.31
DAIMLER DTFR 15C100
DAF motorisations Euro VI
DEUTZ DQC III-10 LA
MAN M 3775
CUMMINS CES 20086
CATERPILLAR ECF-3

ADVANTAGES

Resulting from the know-how of our R&D laboratory, **IGOL PRO CK-4 LD 15W-40** is a high-performance lubricant specially adapted to the latest generation of heavy-duty diesel engines equipped with after-treatment systems (DPF-DPF-SCR-EGR-Ad Blue) and able to reach the maximum oil change intervals recommended by the manufacturers

- ✓ **Low Ash** formulation for protection against particulate filter clogging.
- ✓ Compatible with recent anti-pollution standards: **Euro VI - TIER 5 - Stage V**
- ✓ Optimizes engine cleanliness.
- ✓ Reduces greenhouse gas emissions
- ✓ Reduces deposit formation on pistons.
- ✓ Increased shear stability, **HTHS measurement above 3.5 mPaS**

Technical data sheet



APPLICATIONS

In addition to its use in road transport, and thanks to its technical properties, the formulation of **IGOL PRO CK-4 LD 15W-40** meets or exceeds the requirements of many manufacturers in the field of public works and agriculture, particularly when these require the use of an oil with a low ash content and a SAE 15W-40 grade :

**HIDROMEK / JOHN DEERE / MANITOU / KOMATSU / JCB / HITACHI / CASE IH
LIEBHERR / DOOSAN / KOBELCO / HYUNDAI / KUBOTA**

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

PHYSICO-CHEMICAL PROPERTIES

Characteristics	Standards	Units	Values
Density at 20°C	ASTM D4052	g/cm ³	0.862
Viscosity at 40°C	ASTM D7042	mm ² /s	96.7
Viscosity at 100°C	ASTM D7042	mm ² /s	14.9
HTHS viscosity	ASTM D4683	mPa s	3.94
Viscosity index	ASTM D2270	-	≥ 160
Pour point	ASTM D97 B	°C	-39
CCS at -20°C	ASTM D5293-20	mPa.s	3173
COC flash point	ASTM D92	°C	≥ 232
TBN (Alkalinity reserve)	ASTM D2896	Mg KOH/g	10.7

IGOL PRO CK-4 LD 15W-40 is miscible with most conventional oils but to ensure its performance level it is recommended that a complete oil change be carried out.

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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