

Mineral oil.

A SHPD (Super High Performance Diesel) lubricant, recommended for supercharged engines which meet the following European pollutant emission standards: Euro II and Euro III and Tier 2/Tier 3 (Stage II/Stage IIIA) and later.

Suitable for any diesel engine powering heavy goods vehicles and construction and agricultural vehicles and equipment.

Guarantees long oil change intervals: from 60 000 km to 80 000 km, and up to 100 000 km for certain types of engines and uses, and in accordance with the manufacturers' recommendations.

Able to operate at very high pressures and temperatures in order to improve combustion and efficiency.

Compatible with an oil change interval of up to 500 operating hours for models such as the new Renault Ares or the McCormick MTX (a Perkins engine).

This oil is not suitable for engines fitted with particulate filters.

PERFORMANCES

Standards :

ACEA E5/E3
API CH-4/CG-4

Specifications :

Mercedes MB p.228.3/229.1
MAN M 3275
VOLVO VDS-2
RVI RD-2/ RLD
Cummins CES 20076/77
Caterpillar ECF-2, ECF-1a
ZF TE-ML 03A

Fiche technique



ORGANISATIONS & MANUFACTURERS - Scope of application -

ACEA E5: European standard for HGV or industrial engines meeting the Euro 0/1/2/3 criteria (obsolete standards).

Mercedes p.228.3: For engines **without DPF**/standard oil change intervals (ACEA E3/E5) from 20 000 to 60 000 km.

MAN M 3275: For Euro 0/1/2/ engines/standard oil change intervals (ACEA E3/E5) of 60 000 km max.

VOLVO VDS-2 since 1994: For Volvo Euro 0/1/2/3 engines/extended oil change intervals (ACEA E3) of 75 000 km max.

RVI RLD: ACEA E5, for oil change intervals of 60 000 km max.

Cummins CES 20076: For Cummins engine requiring an API CH-4 oil.

Cummins CES 20077: For Cummins engine requiring an API CI-4 oil.

Characteristics	Standards	Units	Values
Grade	SAE J 300	-	15W40
Density at 15°C	ASTM D4052	g/cm3	877
Kinematic viscosity at 40°C	ASTM D7042	mm2/s	102
Kinematic viscosity at 100°C	ASTM D7042	mm2/s	14,73
Viscosity index	ASTM D2270	-	135
Dynamic Viscosity at -20°C	ASTM D5293	mPa.s	4846
Pour point	ASTM D97	°C	-44
VO Flash point	ASTM D 92	°C	220
TBN (Alkalinity reserve)	ASTM D 2896	mg KOH/g	12,53

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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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