

A 100 % synthetic oil.

PERFORMANCES

Standards :

ACEA E4/E6/E7/E9
API CK-4
JASO DH-2

Specifications :

SCANIA LOW ASH
VOLVO VDS-4.5 / GNV
MERCEDES MB 228.52 / 228.51 / 228.31
MAN M3477 / M3575 / M3271-1 (moteur GAZ)
Renault RLD-2 / RLD-3
MTU Type 3.1 / 2.1
Cummins CES 20086/81
MACK EO-S – 4.5
CATERPILLAR ECF-3
DEUTZ DQC IV-18 LA (Low Ash)
Voith Class B

ADVANTAGES

IGOL PRO MMX, developed on a "Low SAPS" technology, with a reduced content of sulphated ash ($\leq 1\%$), phosphorus ($\leq 0.09\%$) and sulphur ($\leq 0.3\%$), is intended for heavy duty vehicles or buses equipped with diesel or natural gas (CNG) engines.

Thanks to its characteristics, **PRO MMX** makes it possible to increase oil change intervals.

This lubricant ensures a reduction in ash deposits and excellent protection against acid attacks linked to combustion products thanks to a high TBN.

It is also suitable for the latest generation of Euro VI engines and compatible with earlier engines.

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PHYSICO-CHEMICAL PROPERTIES

| Characteristics | Standards | Units | Values |
|--------------------|------------|--------------------|--------|
| Density at 20°C | ASTM D4052 | g/cm ³ | 0.859 |
| Viscosity at 40°C | ASTM D7042 | mm ² /s | 91.7 |
| Viscosity at 100°C | ASTM D7042 | mm ² /s | 13.6 |
| HTHS viscosity | ASTM D4683 | cP | 3.9 |
| Viscosity index | ASTM D2270 | - | 155 |
| Pour point | ASTM D97 B | °C | -37 |
| Flash point | ASTM D92 | °C | 229 |
| TBN | ASTM D2896 | Mg KOH/g | 13 |

The characteristics are given purely for information and are consistent with our current production standards. IGOL reserves the right to modify them, in order to pass on technical developments to its customers. Before using this product, you should consult the instructions for use and the environmental impact shown on the technical and safety data sheets. The information given above is based on the current state of our knowledge of the product in question. The product user should take all relevant precautions relating to its use. Under no circumstances may IGOL be held liable for damages resulting from misuse.

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