

Oils for hypoid gearboxes and axles, with very high extreme pressure properties, allowing gearboxes to work under very heavy loading at high speeds, with repeated abrupt changes.

## **PERFORMANCES**

**Standards :**  
API GL-5

**Specifications :**  
MAN 342 Type M1 & M2  
MIL-PRF-2105 D  
ZF TE ML 05A, 07A, 08, 12E, 16B, 16C, 17B, 19B,  
21A

## **ORGANISATIONS & MANUFACTURERS - Scope of application -**

**API GL-5:** Forms part of the SAE J2360 specification (formerly MIL-PRF-2105E). Recommended by most automobile and truck manufacturers around the world.

## **ADVANTAGES**

Thanks to its special additives, enhanced by very good properties under extreme pressure. HYPOID B was designed specifically for hypoid gear axles subjected to very heavy loading.

With a high viscosity index, it has, for a single hot viscosity a greater fluidity at low temperatures, which makes starting in cold weather easier.

## **USES**

All axles, in particular hypoids subject to heavy loading, with the exception of screw axles incorporating a bronze crown wheel.

Gearboxes, only if the manufacturer recommends a GL5 or MIL-L-2105D oil.  
Some gearboxes will not tolerate high extreme pressure additive contents.  
Hydraulic systems for certain agricultural tractors.

N.B.: For gearboxes: ensure you obey manufacturers' recommendations; indeed, using API GL5 products instead of API GL4 products may cause abnormal wear on bronze parts (synchromeshes, for example).

Characteristics	Standards	Units	80W-90
Density at 15°C	NFT 60-101	kg/m <sup>3</sup>	893
Viscosity at 40°C	ASTM D445	mm <sup>2</sup> /s	146
Viscosity at 100°C	ASTM D445	mm <sup>2</sup> /s	14.4
Pour point	ASTM D97	°C	-24
VO Flash point	NF T 60-118	°C	218

*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 : IV-IGOL003-1512

Date of issue : 02/12/2015

Technical data sheet