

Specially developed lubricant for limited-slip and/or self-locking axles

PERFORMANCES

Standards :

API GL-5 / GL-5 LS
SAE J2360

Specification :

MIL-L 2105D
DAF
MAN 342 TYPE M-1
Mercedes-Benz MB 235.0
RENAULT (où une huile de pont GL-5 est recommandée)
VOITH 3.325-339
VOLVO 97310 & 97316
ZF TE ML 07A 08 16B 16C 16D 17B 19B 21A
ZF TE-ML 05C 12C 16E 21C

API GL-5 LS defines the addition of a friction modifier to GL-5 formulations to meet the requirements of axles equipped with limited slip or self-locking differentials.

ADVANTAGES and USES

The **HYPOID BPA** additive system has been specially designed to meet the demanding needs of hypoid bridges.

The incorporation of special extreme pressure and anti-corrosive additives in reduce the deterioration of gears subjected to very high loads.

Finally, the presence of a friction modifier allows smooth and squeak-free operation of the clutches of self-locking axles (limited slip differentials).

HYPOID BPA is suitable for all types of rear axle where viscosity grades **SAE 90**, **SAE 80W-90** and **API GL-5** and **GL-5 LS** are required by the manufacturer.

Suitable for immersed brakes when the manufacturer recommends the API GL-5 LS standard.

Field of application:

- Agricultural Equipment, Trucks and Utility Vehicles
- Automotive
- Public works, quarry or mining machinery.

Technical data sheet



PHYSICO-CHEMICAL PROPERTIES

Characteristics	Standards	Units	Values
Viscosity grade	SAE J306	-	80W-90
Density at 20°C	ASTM D4052	g/cm3	0.893
Viscosity at 40°C	ASTM D7042	mm²/s	146.5
Viscosity at 100°C	ASTM D7042	mm²/s	15.5
Viscosity Index	ASTM D2270	-	>108
VO Flash point	ASTM D4052	°C	229

Note: Before use, always check the manufacturer's recommendations in the maintenance manual.

***HYPOID BPA 80W-90 is not suitable for use in gearboxes / transmissions where API GL-4 or ATF lubricants are recommended.**

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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