

Special semi-synthetic extreme pressure lubricant for transmission systems in modern vehicles, machinery and equipment.

## PERFORMANCES

### Standards:

API GL-5 / GL-5 LS  
SAE J2360

### Specifications:

MIL-PRF-2105-E

### FOCUS

API GL-5 is an American Petroleum Institute (API) standard for lubricants for gears, particularly hypoid gears, in axles operating under various combinations of load, speed and torque.

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

## ADVANTAGES and USES

The result of IGOL's experience in Rally Raids, **RALLYE GEAR** has a special additivation which gives it very high extreme pressure properties, allowing it to be used in all types of transmission components.

In addition to these exceptional properties, its shear strength, very low viscosity at low temperatures and thermal stability at high temperatures allow it to extend the life of equipment and optimise maintenance costs.

**RALLYE GEAR 80W-140** finds its main applications in:

- Limited slip or non-slip differentials, final drives, transfer cases.
- High speed/High load - Low speed/High torque - High speed/Low torque
- Heavy duty mechanical transmissions.
- Agricultural equipment, heavy goods vehicles and commercial vehicles
- Public works, quarrying and mining machinery.
- Severe service cars (competition, modification)

*\*RALLYE GEAR 80W-140 is not suitable for use in gearboxes / transmissions where API GL-4 or ATF lubricants are recommended*



## PHYSICO-CHEMICAL PROPERTIES

Characteristics	Standards	Units	Values
Viscosity Grade	SAE J306	-	80W-140
Density at 15°C	ASTM D4052	g/cm3	0.876
Kinematic viscosity at 40°C	ASTM D7042	mm²/s	214.9
Kinematic viscosity at 100°C	ASTM D7042	mm²/s	25.6
Viscosity Index	ASTM D2270	-	151
Flash Point	ASTM D92	°C	211

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

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-IGOL049-2301

Date of issue : 07/01/2023

Technical data sheet

