

A special semi-synthetic lubricant for gearboxes and transfer boxes.

## PERFORMANCES

**Standards:**

API GL-4 and GL-5

**Specifications:**

MIL-PRF-2105 E

## ORGANISATIONS & MANUFACTURERS - Scope of application -

**API GL-4:** Meets the manual gearbox specification, MIL-L-2105 (obsolete). A level of additives equivalent to 50% of that for the GL-5.

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

## ADVANTAGES

Derived from IGOL's experience in rally raids, RALLYE GEAR has special additives giving it outstanding extreme pressure properties, enabling it to be used in any mechanical gearbox, including those equipped with copper-based metals (non-corrosive action).

Alongside these exceptional properties, its shear strength, very low viscosity at low temperatures and its very high viscosity index promote easy gear shifting.

In addition, RALLYE GEAR, available in grade 75W-90, contains a friction modifying additive enabling it to be used in limited-slip positraction differentials.

## USES

RALLYE GEAR is formulated based on a TDL (Total Drive Line) concept, which allows the same product to be used in gearboxes and axles: (GL4 and GL5 compliant product) without any risk of corrosion, in particular of synchromeshes.

RALLYE GEAR possesses the outstanding extreme pressure properties required for gears under heavy loads to operate properly.

Recommended for all other mechanical gearboxes and any transfer gearboxes, including limited-slip positraction differentials for grade 75W-90.



Characteristics	Methods	Units	75W-90
Density at 20°C	ASTM D4052	g/cm3	0.868
Kinematic viscosity at 40°C	ASTM D7042	g/cm3	89.61
Kinematic viscosity at 100°C	ASTM D7042	mm2/s	15.73
Viscosity index	ASTM D2270	-	188
Brookfield – 40°C	ASTM D2883	mPa.s	101217
Pour point	ASTM D97	°C	- 42
COC flash point	ASTM D92	°C	>190

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.

Document ref.: IV-IGOL046-2206

Published: 02/06/2022

## Technical data sheet

