



## PRODUCT INFORMATION & DATA SHEET

# PRO-SHIFT GT Racing GL-5 75W-90

Ultra-performance gear oil for racing application.

PRO-SHIFT GT Racing GL-5 75W-90 is a fully synthetic heavy-duty gear oil engineered specifically for the axle drives, differential gears and manual gearboxes running at maximum load during race require the viscosity grade of SAE 75W-90. It is developed with the combination of Poly-alpha-olefin (PAO) base oil, naturally high viscosity index (VI) P-12 Ester and cutting-edge extreme-pressure and friction additives treatments, allowing the highest shear, oxidation and foam resistance, safest lubricating layer and ensuring unparalleled reliability of the heavily loaded transmission units. The excellent viscosity-temperature behavior of this gear oil provides the highest viscosity retention and thermal resistant properties, as result peak gear shifting ability and maximum heat transfer performance under all operating conditions and temperatures.

### Specifications:

API GL-5, API GL-5 +LS, API MT-1

### Some of the benefits of using this transmission fluid:

- Appropriate dose of limited slip (LS) improves traction and consistent torque regularity to prevent chatter and reduce noise.
- Compatible with the toughest areas of application, e.g. track racing, natural terrain racing, rally racing and well suited for towing.
- Exceptional EP and load-bearing properties allow the highest levels of high shock load, high speed and high torque protection.
- Exceptional friction coefficient value ensures quicker acceleration, increases power, reduces start-up and constant load wear.
- Favorable cold cranking viscosity allows excellent sub-zero temperature fluidity and rapid lubricating flow right after cold-start.
- Optimum shear and viscosity stability minimize viscosity losses and guarantee solid film strength under tough operation.
- Optimum thermal stability resists the ageing, oxidation and degradation of oil and the formation of high-temperature deposits.

### Areas of application

This API GL-5 gear oil is formulated specifically for racing needs requiring viscosity typical of SAE 75W-90, it outperformed the stringent API GL-5 shock load and wear protection requirements.

This product ensures ultimate protection in very high-load rear axles, transaxles, synchronized and non-synchronized manual transmissions, differential gears (with/without limited slip requirement) in competition cars and trucks. It has already dosed with the appropriate amount of friction modifier additives for use in limited slip differential gears, hence no extra additive is recommended.

## Typical properties

<b>SAE Viscosity</b>		<b>75W-90</b>
Viscosity Index (VI)	ASTM D2270	186
Viscosity at 100 °C; mm <sup>2</sup> /s	ASTM D445	15.7
Viscosity at 40 °C; mm <sup>2</sup> /s	ASTM D445	97
Density at 15 °C; kg/m <sup>3</sup>	ASTM D4052	863.0
Foam Test	ASTM D892	Pass
Flash Point; °C, open cup	ASTM D92	210
Pour Point; °C	ASTM D97	-45

## Service recommendations

Follow the operating instructions, drain and replace with new gear oil according to recommendation. The general suitability for daily use was, however, neglected as a result. Thence we recommend the application of this gear oil in extreme sporting environment only, instead of for daily driving operations.

## Commercially available product compatibility

Peak performance is guaranteed only upon using alone without mixing with other commercially available transmission fluids.

## Product availability

This product may not be available locally. Contact your local distributor.

The information show herein is subject to change without noticed. The product indicated here have been developed by PRINCE LUBRICANTS for use in the areas of applications shown. We reserve all right to alter the characteristics and product properties to align with continually technical development.