



Gear Oil GL-5

Automotive gear lubricants

Product description

Gear Oil GL-5 are automotive gear lubricants suitable for API GL-5 applications.

Formulated with mineral base oils in combination with a selected additive system, Gear Oil GL-5 is available in viscosity grades SAE 80W-90 and SAE 85W-140.

Customer benefits

- Proven additive system offers reliable EP protection to critical components against scuffing and wear
- Low temperature fluidity promotes rapid oil circulation during cold start-up, helping protect system components
- Robust shear stability helps ensure viscosity is maintained throughout oil service life

Applications

Gear Oil GL-5 products are designed for use in automotive hypoid drive axles, steering systems, non-synchronized transmissions and transaxles which require a fluid with API GL-5 performance.

The friction characteristics of Gear Oil GL-5 products make them generally unsuitable for use in synchronized manual transmissions and transaxles, and they should not be used in these applications unless a GL-5 fluid is specifically recommended.

Product highlights

- **Proven performance EP wear resistance**
- **Robust cold start protection**
- **Highly shear stable**

Selected specification standards include:

API	Bosch
US Military	ZF

Approvals, performance and suitable for use

Performance

Viscosity Grade		SAE 80W-90	SAE 85W-140
API	GL-5	X	X
Bosch	TE-ML 08	X ^[1]	X ^[1]
US Military	MIL-L-2105D	X	X
ZF	TE-ML 07A	X	X

[1] List formerly administered by ZF. Products meeting the necessary performance requirements are approved for use, but there is no product listing.

Typical test data

Test	Test methods	Results	
		SAE 80W-90	SAE 85W-140
Shelf Life: 60 months from date of filling indicated on the product label.			
Viscosity, Kinematic, 100 °C, mm ² /s	ASTM D445	14.5	25.95
Viscosity, Kinematic, 40 °C, mm ² /s	ASTM D445	135	360
Viscosity, Brookfield, -12 °C, mPa.s	ASTM D2983		70,000
Viscosity, Brookfield, -26 °C, mPa.s	ASTM D2983	130,000	
Viscosity Index	ASTM D2270	101	100
Density, 15 °C kg/l	ASTM D4052	0.899	0.909
Flash Point COC, °C	ASTM D92	212	214
Pour Point, °C	ASTM D97	-33	-18

The typical test data set out above does not constitute a specification. It is indicative only and can be affected by allowable production tolerances. Chevron may modify this test data. Modified data will supersede all previous data, so please ensure you refer to the latest version of this Product Data Sheet (PDS).

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