



Gear Oil GL-4

Automotive gear lubricants

Product description

Gear Oil GL-4 are proven performance automotive gear lubricants suitable for API GL-4 applications.

Formulated with mineral base oils in combination with a selected additive system, Gear Oil GL-4 is available in viscosity grades SAE 80W and SAE 80W-90.

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-4 products are designed for use in automotive transmissions, transaxles, steering systems and hypoid drive axles which require a fluid with API GL-4 performance (equivalent to US Military specification MIL-L-2105).

The friction characteristics of the Gear Oil GL-4 product range make them suitable for use in many synchronized manual transmissions.

Some modern transmissions may require a specific fluid type – refer to the manufacturers' literature for further details.

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	SAE 80W-90
API	GL-4	X	X
Bosch	TE-ML 08	X ^[1]	X ^[1]
US Military	MIL-L-2105D	X	X
ZF	TE-ML 24A	X ^[2]	

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

[2] Products meeting the necessary performance requirements are approved for use, but there is no product listing.

Typical test data

Test	Test methods	Results	
Viscosity Grade		SAE 80W	SAE 80W-90
Shelf Life: 60 months from date of filling indicated on the product label.			
Viscosity, Kinematic, 100 °C	ASTM D445	9.5	14.0
Viscosity, Kinematic, 40 °C	ASTM D445	82	132
Viscosity, Brookfield, -26 °C	ASTM D2983	70,000	93,700
Viscosity Index	ASTM D2270	100	105
Density, 15 °C	ASTM D4052	0.889	0.8915
Flash Point COC	ASTM D92	220	218
Pour Point	ASTM D97	-36	-35

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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