



PRODUCT DATA SHEET

MANU 90/GL4 GEAR OIL

API GL-4

Product Description

TOYO-G MANU 90/GL4 Gear Oil GL-4 is a premium-quality, multi-purpose gear lubricant formulated from high-quality base oils and a carefully balanced additive system to provide reliable performance in manual transmissions, transaxles, and automotive gear applications requiring API GL-4 performance.

The product offers excellent protection against wear, rust, corrosion, and oxidation while maintaining good thermal stability under a wide range of operating temperatures. Its balanced extreme-pressure and anti-wear properties help ensure smooth gear engagement and synchronizer compatibility, making it suitable for both passenger and commercial vehicle applications.

TOYO-G MANU 90/GL4 is fortified with extreme pressure additive to provide excellent load carrying ability and extreme pressure properties.

Product Performance

API GL-3

API GL-4

TYPICAL PHYSICAL PROPERTIES		
PROPERTY	TEST METHOD	SAE 90
DENSITY @ 15 °C	ASTM D-4052	0.897
KINEMATIC VISCOSITY		
40 °C mm²/s (cSt)	ASTM D-445	189
100 °C mm²/s (cSt)	ASTM D-445	18.2
VISCOSITY INDEX	ASTM D-2270	106
FLASH POINT °C	ASTM D-92	Min. 200
POUR POINT °C	ASTM D-97	-20
COPPER CORROSION 100°C, 3hrs	ASTM D-130	1B

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Other Information

Safety Data Sheet

Safety data sheet can be requested via website www.toyo-g.co or you may also can get them from your local agent / supplier.

SDS Number: LP16-01

Storage and Handling

This product shall be ideally stored in a cool, dry location in unopened containers. Suggested temperature between 8°C to 28°C (46°F to 82°F) unless otherwise labeled.

Stirring is recommended in order to prevent ingredients from separating.

Shelf Life

With good practicing on storage, the minimum shelf life from the batch number approx. 3 years or 36 months

Condition of the product must in the unopened original container

Available Packing Sizes		Part Number
Pail	18 liter	8696L-1139
Drum	209 liter	8696L-1140

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