

Product Data Sheet

TomoilTM Transmission Oil 85W-90 LS GL-5

Transmission oil

Product description

TomoilTM Transmission Oil 85W-90 LS GL-5 stands as a top-tier hypoid gear oil crafted for axle drives with limited-slip differentials. Engineered to elevate smooth and quiet operation, its unique friction characteristics play a pivotal role in extending the lifespan of multiplate clutches within limited-slip differentials (LSDs).

Application

TomoilTM Transmission Oil 85W-90 LS GL-5 is recommended for use in all types of synchronized manual transmissions (including heavy-duty), in differentials (including LS with excessive friction), steering equipment and other transmission parts where API GL-5 LS oil is required.

Features & Benefits

- Extremely high load-carrying capacity
- Excellent wear protection
- Outstanding limited slip features
- Exceptional resistance to aging
- High oxidation resistance, even under elevated thermal stress
- Effective foam/air separation and stability at high speeds
- Compatibility with non-ferrous metals and seals
- Remarkable viscosity-temperature behavior

Typical Properties

Property	Unit	Test method	Typical value
Density at 15°C	g/cm ³	ASTM D 4052	0.897
Kinematic Viscosity at 100°C	mm ² /s	ASTM D 445	16.00
Kinematic Viscosity at 40°C	mm ² /s	ASTM D 445	170.5
Viscosity Index	-	ASTM D 2270	97
Flash Point (COC)	°C	ASTM D 92	206
Pour Point	°C	ASTM D 7346	-21

Typical property characteristics are based on current production. Whilst future production will conform to TomoilTM specifications, variations in these characteristics may occur.

Performance claims

- API GL-5
- MIL-L-2105 D
- ZF TE-ML 05C
- ZF TE-ML 12C
- ZF TE-ML 16E
- ZF TE-ML 21C

Health, Safety & Environment

• Health and Safety

This product is unlikely to present any significant health or safety hazard when properly used in the recommended application, and good standards of industrial and personal hygiene are maintained.

For further guidance on Product Health & Safety refer to the appropriate Safety Data Sheet which can be obtained upon request or through our website: www.tomoil.de

• Protect the Environment

Take used oil to an authorized collection point. Do not discharge into drains, soil or water.

Available pack sizes

- | | |
|------------------------|--------------------------|
| • 1 L Canister plastic | • 20 L Canister plastic |
| • 4 L Canister plastic | • 30 L Canister plastic |
| • 5 L Canister plastic | • 60 L Drum sheet metal |
| • 6 L Canister plastic | • 200 L Drum sheet metal |
| • 7 L Canister plastic | • 1000 L Container |

Storage

- We recommend to store all packages under cover.
- Where outside storage is unavoidable drums should be laid horizontally to avoid the possible ingress of water and damage to drum markings.
- Products should not be stored above 60 °C, exposed to hot sun or freezing conditions.

Notes

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