

Product Data Sheet

TomoilTM Transmission Oil 85W-140 LS GL-5

Transmission oil

Product description

TomoilTM Transmission Oil 85W-140 LS GL-5 stands out as an advanced hypoid gear oil designed for axle drives equipped with limited-slip differentials. Crafted with unique friction properties, it enables a smooth and noise-free operation, playing a crucial role in prolonging the lifespan of multiplate clutches within limited-slip differentials (LSDs).

Application

TomoilTM Transmission Oil 85W-140 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

- Excellent load-carrying properties
- Outstanding limited-slip performance
- High corrosion protection
- Exceptional oxidation stability
- Low foaming tendency
- Optimal friction characteristics

Typical Properties

Property	Unit	Test method	Typical value
Density at 15°C	g/cm ³	ASTM D 4052	0.900
Kinematic Viscosity at 100°C	mm ² /s	ASTM D 445	26.00
Kinematic Viscosity at 40°C	mm ² /s	ASTM D 445	360.6
Viscosity Index	-	ASTM D 2270	96
Flash Point (COC)	°C	ASTM D 92	208
Pour Point	°C	ASTM D 7346	-18

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
- MAN 342 Type M2
- 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

This data sheet and the information it contains is believed to be accurate as of the date of printing. However, no warranty or representation, express or implied, is made as to its accuracy or completeness. Data provided is based on standard tests under laboratory conditions and is given as a guide only. Users are advised to ensure that they refer to the latest version of this data sheet. It is the responsibility of the user to evaluate and use products safely, to assess suitability for the intended application and to comply with all applicable laws and regulations. Safety Data Sheets are available for all our products and should be consulted for appropriate information regarding storage, safe handling, and disposal of the product. No responsibility is taken by ALCO LLC for any damage or injury resulting from abnormal use of the material, from any failure to adhere to recommendations, or from hazards inherent in the nature of the material. All products, services and information supplied are provided under our standard conditions of sale. You should consult our sales specialists if you require any further information.

