

Product Data Sheet

Tomoil™ Transmission Oil 80W-90 GL-5

Transmission oil

Product description

Tomoil™ Transmission Oil 80W-90 GL-5 stands out as a high-quality multi-grade gear oil, fortified with a carefully chosen additive package for outstanding shifting performance, favorable fluidity at low temperatures, and the capacity to sustain viscosity even in high-temperature conditions. Its specialized design caters to manual transmissions, differentials, and final drives, particularly in scenarios characterized by extreme pressures and shock loading.

Application

Tomoil™ Transmission Oil 80W-90 GL-5 is suitable for automotive gearboxes, axles, differentials, transaxles and hypoid gear sets in motorcycles, passenger cars, commercial vehicles, off-road construction and agricultural equipment where GL-5 oil with a viscosity of SAE 80W-90 is recommended.

Features & Benefits

- Superior thermal and oxidation stability
- Excellent rust and corrosion protection
- Effective low temperature lubrication
- Better compatibility with typical automotive seals and gaskets
- Reduced wear and longer component life

Typical Properties

Property	Unit	Test method	Typical value
Density at 15°C	g/cm ³	ASTM D 4052	0.892
Kinematic Viscosity at 100°C	mm ² /s	ASTM D 445	15.00
Kinematic Viscosity at 40°C	mm ² /s	ASTM D 445	157.7
Viscosity Index	-	ASTM D 2270	95
Flash Point (COC)	°C	ASTM D 92	230
Pour Point	°C	ASTM D 7346	-30
Copper Strip Corrosion	-	ASTM D 130	1b

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 M2
- ZF TE-ML 05A/07A/12E/16B/16C/16D/17B/19B/21A

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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