Product Data Sheet

**Tomoil™ 80W-90 GL-5**

Transmission oil

**Product description**

Tomoil™ 80W-90 GL-5 emerges as a high-quality multi-grade gear oil fortified with selected additive packages, all intricately designed through German technology and engineering. This formulation offers exceptional shifting performance, favorable low-temperature fluidity, and the capability to retain viscosity even at elevated temperatures. It finds its prime application in manual transmissions, differentials, and final drives requiring resilience against extreme pressures and shock loading.

**Application**

**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/cm3 | ASTM D4052 |  |
| Kinematic Viscosity at 40°C | mm2/s | ASTM D445 |  |
| Kinematic Viscosity at 100°C | mm2/s | ASTM D445 |  |
| Viscosity Index | - | ASTM D2270 |  |
| Flash Point (COC) | °C | ASTM D92 |  |
| Pour Point | °C | ASTM D97 |  |
| Brookfield viscosity at -26°C | cP | ASTM D2983 |  |

Typical property characteristics are based on current production. Whilst future production will conform to Tomoil™ 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](http://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
* 4 L Canister plastic
* 5 L Canister plastic
* 7 L Canister plastic
* 20 L Canister plastic
* 30 L Canister plastic
* 200 L Drum sheet metal
* 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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