Product Data Sheet

**Tomoil™ Gear Oil 320**

Gear oil

**Product description**

Tomoil™ Gear Oil 320: Designed with German engineering precision, this premium industrial gear oil showcases remarkable extreme pressure traits. It's composed of handpicked base stocks and the latest sulfur phosphorus additives. Its unique blend of active substances ensures superior load-bearing capabilities and micro-pitting resistance, ensuring extended component longevity even under sudden loading scenarios.

**Application**

**Features & Benefits**

• Outstanding wear protection   
• Exceptional sludge and deposit control  
• Low tendency to foam  
• Excellent anti-corrosion properties  
• High pressure-absorption capability  
• Extended equipment life  
• Better compatibility with seal materials

**Typical Properties**

|  |  |  |  |
| --- | --- | --- | --- |
| **Property** | **Unit** | **Test method** | **Typical value** |
| ISO viscosity grade | - | - |  |
| 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 |  |
| Acid number | mg KOH /g | ASTM D2896 |  |
| Flash Point (COC) | °C | ASTM D92 |  |
| Pour Point | °C | ASTM D97 |  |
| FZG Scuffing, A/8.3/90 | Fail Load Stage | DIN 51354-2 |  |

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

**Specifications**

• AIST 224  
• David Brown S1.53.101(E)  
• AGMA 9005-F16 (AS)  
• DIN51517 Part lll (2018)  
• ISO 12925-1 CKD (2018)  
• JIS K 2219:2006 (Class 2)  
• GB5903-2011 (CKD)

**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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