Product Data Sheet

**Aminol™ Gear Oil 320**

Gear oil

**Product description**

Aminol™ Gear Oil 320 is a premium quality industrial gear oil with outstanding extreme pressure characteristics, made of carefully selected base stocks and the latest sulfur phosphorus additives. Its special active substance combination offers excellent load carrying capacity and micro-pitting performance providing long component life even under shock loading conditions.

**Application**

Aminol™ Gear Oil 320 is designed to lubricate bevel and spur gears, bearings, gear couplings and worm gears. It is recommended for the lubrication of gear boxes and is particularly suitable for use under heavy loads and at high temperatures.

**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 | - | - | 320 |
| Density at 20°C | g/cm3 | ASTM D 4052 | 0.896 |
| Kinematic Viscosity at 40°C | mm2/s | ASTM D 445 | 320.0 |
| Viscosity Index | - | ASTM D 2270 | 93 |
| Flash Point (COC) | °C | ASTM D 92 | 270 |
| Pour Point | °C | ASTM D 97 | -9 |
| Copper Strip Corrosion | - | ASTM D 130 | 1 |
| Water Separability  -time to 3 ml emulsion, min. | - | ASTM D 7451 | 40 |
| FZG EP Wear Test (A 8.3/90)  -Failure Load Stage | - | ASTM D 5182 | 12 |

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

**Performance claims**

* 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.aminol.az](http://www.aminol.az)

* **Protect the Environment**

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

**Available pack sizes**

* 20 L Canister plastic
* 200 L Drum sheet metal

**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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