



SUPRA GEAR GL 320

Synthetic Gear Oils

Synthetic oil

DESCRIPTION

SUPRA GEAR GL 320 is a water-insoluble polyalkylene glycol based synthetic lubricant.

APPLICATIONS

Typical applications of **SUPRA GEAR GL 320** include lubrication of calendars, piston compressors, and bevel, spiral bevel, helical, enclosed spur, and worm gear units.

SUPRA GEAR GL 320 is free of chlorine, sulphur and metal based additives including lead. It remains homogeneous from below their pour point to temperatures in excess of 250 °C.

The anticipated service lifetime of all **SUPRA GEAR GL** grades is substantially in excess of 10,000 hours at 100 °C. In industrial enclosed gear units, the performance allows for extended drain intervals and, in some cases, for operation as a "Fill for Life" lubricant.

SUPRA GEAR GL 320 must not be mixed with mineral or PAO based oils.

SUPRA GEAR GL 320 meets the following requirements :

- DIN 51517-3
- David Brown Type G lubricant

ADVANTAGES

- Outstanding load carrying properties.
- Excellent thermal stability.
- Excellent corrosion protection (ASTM D665, procedure B pass).
- Outstanding demulsibility characteristics.
- Allows thermally stable operation at temperatures in excess of 200 °C

TECHNICAL INFORMATION

TECHNICAL CHARACTERISTICS	UNITS	METHOD	SUPRA GEAR GL 320
4 Ball test - Weld load	kg	ASTM D2783	170

These characteristics are given only for information and can be updated over time.



INSTRUCTIONS

When changing from mineral oil to **SUPRA GEAR GL 320** fluid, the following procedure should be followed:

- The system should be run until old oil is warm, then drained as fully as possible with particular attention being paid to reservoirs, lines etc., where oil may be trapped. The system should be cleaned of residual sludge.
- Flush the system with the minimum quantity of **SUPRA GEAR GL 320** by operating under no load, then drain the system whilst the fluid is warm. Repeat if necessary.
- Seals, etc., should be inspected and replaced if deteriorated. Seals previously exposed to mineral oil may shrink when exposed to **SUPRA GEAR GL 320**, therefore it may be advantageous to replace them. The system can then be filled.
- It is useful to inspect the lubricant after one of two days in use to make sure that it is free of extraneous materials. Contamination with significant quantities of other lubricants can, in some cases, lead to sludging, foaming and other problems.

SERVICES AND EQUIPMENT

In addition to its product ranges, MotulTech can provide tools and services for the maintenance and monitoring of your lubricants. Please contact your technical sales representative for more information.

Important Notice

Information disclosed in this technical data sheet is based on MOTUL's experience and know-how in the development and manufacture of lubricants and other chemical products according to the current state of knowledge.

Any chemical product must be used in the intended application and in accordance with the recommendations provided in its safety data sheet freely consultable via the site <https://www.quickfds.com/fr/>. The performance of our products may be influenced by a series of factors, including conditions of use, application methods, operational environment, pretreatment of components, possible external contamination, etc ... For these reasons, universal recommendation of our products is impossible. The information in the technical data sheet represents general, non-binding guidelines and is given for guidance only. No express or implied warranty is given regarding the properties of the product or its suitability for a given application.

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