GEAR FG 320

DATA SHEET

Gear Oil

Semi synthetic oil

DESCRIPTION

GEAR FG 320 is a semi-synthetic oil for the lubrication of reduction gears.

APPLICATIONS

GEAR FG 320 is recommended for the lubrication of plain bearings and loaded enclosed gears in the food and beverage industry, and the Cosmetic and Pharmaceutical industries.

GEAR FG 320 is made from elements that are part of the Food and Drug Administration list.

GEAR FG 320 is NSF H1 certified. Registration number is 139806.

GEAR FG 320 meets the FDA - 21 CFR 178.3570 specifications and can be used in mechanical systems where a direct contact with the lubricant cannot be avoided.

ADVANTAGES

- Oxidation stability.
- EP and anti-wear qualities.
- Excellent protection against corrosion.
- Neutrality in relation to seals.
- Excellent anti-foam properties.
- High Viscosity Index.
- Low Pour point.

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TECHNICAL INFORMATION

TECHNICAL CHARACTERISTICS	UNITS	METHOD	GEAR FG 320
Base oil	-		
Aspect	-		Clear
Color	-	Visual	Colourless
Density	-	ISO 12185	0,870
Viscosity at 40°C	cST	NF T 60.100	320.0
Viscosity at 100°C	cST	NF T 60.100	40.0
Viscosity index	-	NFT 60.136	140.0
Flash point	°C	NF T 60.118	220.0
Pour point	°C	NFT 60.105	-25.0
4 Ball test - Weld load	kg	ASTM D2596	200
4 Ball test - Wear scar	mm	ISO 20623	0,32

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

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.

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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.

Therefore, we recommend consulting an application engineer to discuss application conditions and product performance criteria before use. It is the user's responsibility to test the functional suitability of the product and to use it under appropriate safety conditions. Our products are subject to continuous improvement with the aim of improving performance or bringing them into compliance with any new and possible regulations concerning them. We reserve the right to change our product lines, our products and their manufacturing processes and any provisions of our publications at any time without notice. This technical sheet cancels and replaces all previous editions.

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