GEAR SY 320

Nidec
All for dreams
LEROY-SOMER

DATA SHEET

Advanced gears and differentials

Semi synthetic lubricant

DESCRIPTION

GEAR SY 320 is a high-performance semi synthetic oil with extreme-pressure properties for the lubrication of reduction gears operating under heavy loads and high temperatures.

APPLICATIONS

GEAR SY 320 meets the following requirements :

- AIST 224
- AGMA 9005-F16 (AS)
- DIN 51517 - 3 CLP
- ISO 12925-1 CKD
- ISO 6743-6 L-CKD
- David Brown S1.53.101
- Strong FAG FE-8 Performance

GEAR SY 320 is used for first fill of Leroy-Somer gear boxes.

ADVANTAGES

- Very good extreme-pressure and anti-wear qualities.
- Excellent stability to oxidation.
- Corrosion-resistant particularly in relation to non-ferrous metals and bronze alloys.
- Excellent demulsibility in relation to water.
- High viscosity index.

The environmental, health and safety requirements are mentioned on the safety data sheet that is available at www.quickfds.com

MOTUL TECH

DATA SHEET

TECHNICAL INFORMATION

TECHNICAL CHARACTERISTICS	UNITS	METHOD	GEAR SY 320
Base oil	-		Semi-synthetic
Aspect	-		Clear
Color	-	ASTM D1500	0.5
Density	-	ISO 12185	0,905
Viscosity at 40°C	mm²/s	ASTM D445	320.0
Viscosity at 100°C	mm²/s	ASTM D445	37.1
Viscosity index	-	ASTM D2270	166.0
Flash point	°C	ASTM D92	272.0
Pour point	°C	ASTM D97	-36.0
Copper corrosion	-	NFT M 07105	1b
4 Ball test - Weld load	kg	ASTM D2783	315
4 Ball test - Wear scar	mm	ASTM D4172	0,3
Foaming Seq I, II, III	mL/mL	NF T 60 129	0/0-0/0-0/0

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.

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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