



GEAR SY 100

Advanced gears and differentials

Semi synthetic lubricant

DESCRIPTION

GEAR SY 100 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 100 meets the following requirements :

- AIST 224
- AGMA 9005-F16 (AS)
- ISO 12925-1, CKD - 2002
- David Brown S1.53.101 (E)
- Strong FAG FE-8 Performance

GEAR SY 100 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.



TECHNICAL INFORMATION

TECHNICAL CHARACTERISTICS	UNITS	METHOD	GEAR SY 100
Base oil	-		Semi-synthetic
Aspect	-		Clear
Color	-	ASTM D1500	0.5
Density	-	ISO 12185	0,870
Viscosity at 40°C	mm²/s	ASTM D445	100.4
Viscosity at 100°C	mm²/s	ASTM D445	14.5
Viscosity index	-	ASTM D2270	149.1
Flash point	°C	ASTM D92	240.0
Pour point	°C	ASTM D97	-21.0
Copper corrosion	-	NFT M 07105	1b
4 Ball test - Weld load	kg	ASTM D2783	315
4 Ball test - Wear scar	mm	ASTM D4172	0,32
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.

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