

**GEAR SY 220**

Advanced gears and differentials

Semi synthetic lubricant

**DESCRIPTION**

**GEAR SY 220** 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 220** 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 220** 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 220
Base oil	-		Semi-synthetic
Aspect	-		Clear
Color	-	ASTM D1500	0.5
Density	-	ISO 12185	0,894
Viscosity at 40°C	mm <sup>2</sup> /s	ASTM D445	231.0
Viscosity at 100°C	mm <sup>2</sup> /s	ASTM D445	28.9
Viscosity index	-	ASTM D2270	163.0
Flash point	°C	ASTM D92	246.0
Pour point	°C	ASTM D97	-12.0
Copper corrosion	-	NFT M 07105	1b
4 Ball test - Weld load	kg	ASTM D2783	315
4 Ball test - Wear scar	mm	ASTM D4172	0,35
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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