



## MOTULTECH GEAR SY 220

Synthetic Gear Oil

### DESCRIPTION

**GEAR SY 220** is a high-performance 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	-		
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.

**Important Notice**

All information and rules about health, safety and the environment are mentioned on the safety data sheet. It provides information about risks, safety procedures and first aid emergency rules. It clarifies all procedures to implement in the case of an accidental spillage, and for the disposal of the product and its effects on the environment. The safety data sheet is available on [www.motul.com](http://www.motul.com).

Our product contains natural additives which are likely to modify the colour of the concentrates without altering its performance. The specifications of our products are definite only at the time of order, and are subject to our general sale and guarantee conditions. To give our customers the latest technical developments, the general characteristics of our products may vary.