

GEAR SY

Fully Synthetic Gear Oils



DESCRIPTION

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

SPECIFICATIONS / APPROVALS

GEAR SY 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

OEM RECOMMENDATION

- **GEAR SY** 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 INFORMATIONS

Characteristics	Standards	GEAR SY 68	GEAR SY 100	GEAR SY 150	GEAR SY 220	GEAR SY 320	GEAR SY 460	Units
Density at 20 °C	ISO 12185	0.858	0.870	0.869	0.894	0.909	0.906	
Viscosity at 40°C	ASTM D445	69	100	154	231	324	487	cSt
Viscosity at 100°C	ASTM D445	8.6	14.5	21.4	28.9	38.2	54.4	cSt
Viscosity index	ASTM D2270	142	149	163	163	168	177	
Flash point	ASTM D92	260	240	226	246	232	234	°C
Pour point	ASTM D97	-24	-21	-45	-12	-12	-30	°C
Foaming	NF T60129	0/0-0/0-0/0	0/0-0/0-0/0	0/0-0/0-0/0	0/0-0/0-0/0	0/0-0/0-0/0	0/0-0/0-0/0	ml/ml
Copper strip corrosion	NF T M07105	1b	1b	1b	1b	1a	1b	

The specifications are given for information purposes only and may need to change.