



Gulf Geartek SY 220

(Previously Known as Gulf EP Lubricant SY) Synthetic heavy-duty industrial gear oil

Product Description

The Gulf GEARTEK SY oil is a premium quality synthetic heavy-duty industrial gear oil that offers outstanding lubrication performance and load-carrying capacity under severe operating conditions, including shock loading. It is formulated from Polyalphaolefin (PAO) synthetic base stock, which has exceptional oxidation resistance, thermal properties, and excellent low-temperature fluidity. The combination of naturally high viscosity index base stock, coupled with carefully selected additive technology, provides excellent protection against scuffing and resistance against micro pitting fatigue under a wide operating temperature range.

Features & Benefits

- Outstanding load carrying capability and micro-pitting performance protects gears against scuffing and wear leading to enhanced equipment life and reduced maintenance costs
- High viscosity index base stocks provide excellent low temperature fluidity and effective lubrication over a wide temperature range
- Superior thermo-oxidative stability provides enhanced system cleanliness and enables longer service intervals
- Low traction and enhanced lubricity helps provide extra energy efficiency
- Excellent resistance to rust and corrosion protection and good demulsibility ensures trouble free operation at high temperatures and applications encountering water contamination
- Good seal and paint compatibility with a wide variety of seals and paints

Applications

- Heavy-duty industrial enclosed gear boxes operating under severe conditions like high load, extreme temperatures and wide temperature ranges
- Filled for life systems
- Bearing and circulation systems where high temperatures are encountered

Specifications, Approvals & Typical Properties

ISO Viscosity Grade		220
Meets the following Specifications		
DIN 51517 Part 3, AIST(US Steel)224		X
ISO 12925-1 Type CKD, David Brown S1.53.101(E), AGMA 9005 E- 02		X
Has the following Approval		
Siemens Revision 16 for Flender gear units		X
Typical Properties		
Test Parameters	ASTM Method	Typical Values
Viscosity @ 40 °C, cSt	D 445	223.4
Viscosity Index	D 2270	148
Flash Point, °C	D 92	249
Pour Point, °C	D 97	-42
Density @ 15°C, Kg/l	D 1298	0.857
FZG, fail load stage	DIN 51354 Part II	>14
Rust Test	D 665A/B	Pass
Copper Corrosion	D 130	1a
Emulsion Test 30 minutes max @ 82 oC	D 1401	Pass

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Properties mentioned are typical only and minor variations, which do not affect product performance, are expected to arise in normal manufacturing processes. Please follow equipment manufacturer's recommendations for performance level and viscosity grade. The Safety Data Sheet for this product is available from your nearest Gulf Distributor. Please consult our local representative if any further information is required.

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