



# GULF GEARTEK SY B

## mPAO Synthetic heavy-duty industrial gear oil

### Product Description

Gulf GEARTEK SY series are premium quality synthetic heavy duty industrial gear oils offering outstanding lubrication performance and load carrying capacity under severe operating conditions including shock loading. These are formulated from premium synthetic base stocks ( mPAO) having exceptional oxidation resistance and thermal properties and excellent low temperature fluidity. The combination of naturally high viscosity index base stocks coupled with carefully selected additive technology provides excellent protection against scuffing and resistance against micro pitting fatigue under 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

### Application

- 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		150	220	320	460	680
Meets / exceeds the following Specifications						
DIN 51517 Part 3 CLP, AIST(US Steel)224		X	X	X	X	X
ISO 12925-1 Type CKD, David Brown S1.53.101(E), AGMA 9005 E-02		X	X	X	X	X
Siemens Revision 16 for Flender gear units		X	X	X	X	X
SEW		X	X	X	X	X
ZF Industrial		X	X	X	X	X
Typical Properties						
Test Parameters	ASTM Method	Typical Values				
Viscosity @ 40 °C, cSt	D 445	155	223	325	465	685
Viscosity Index	D 2270	162	168	172	180	190
Flash Point, °C	D 92	240	240	240	240	240
Pour Point, °C	D 97	-48	-48	-48	-45	-42
Density @ 15°C, Kg/l	D 1298	0.851	0.857	0.859	0.86	0.861
FZG, fail load stage	DIN 51354 Part II	>14	>14	>14	>14	>14
Rust Test	D 665A/B	Pass	Pass	Pass	Pass	Pass
Four ball weld load in Kg	D 2783	250	250	250	250	250

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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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