



Gulf GEARTEK SY WT 320

mPAO Synthetic heavy-duty gear oil

Product Description

Gulf GEARTEK SY WT 320 is premium quality m PAO 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 Metallocene Polyalphaolefin synthetic base stocks 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
- Excellent 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
- Life time gear oil lubrication for Wind sector gear boxes (more than 20 years)
- Suitable for Wind gear box lubrication with standard bearings & plain bearings

Specifications, Approvals & Typical Properties

ISO Viscosity Grade	320	
Meets the following Specifications		
DIN 51517 Part 3 CLP, AIST(US Steel)224		X
ISO 12925-1 Type CKD, David Brown S1.53.101(E), AGMA 9005 E-02		X
Siemens Revision 16.2 for Flender gear units		X
Winergy Rev. 8		X
ZF Wind Gear		X
Typical Properties		
Test Parameters	ASTM Method	Typical Values
Viscosity @ 40 °C, cSt	D 445	320
Viscosity Index	D 2270	190
Flash Point, °C	D 92	242
Pour Point, °C	D 97	-48
Density @ 15°C, Kg/l	D 1298	0.8583
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 °C	D 1401	Pass

January 2026

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.

The information contained herein is believed to be correct at the time of publication and may be subject to modification from time to time. It is the user's responsibility to verify that this data sheet is current prior to using the product. No warranty expressed or implied is given concerning the accuracy of the information or the suitability of products. Gulf Oil International reserves the right to modify and change its products and specifications without prior notice.

This data sheet has been issued by us in English language only. In the event of any discrepancy between the English language version and any other language version, the English language version shall prevail.

www.gulfoilltd.com