Gulf Synthetic Gear Oil

Synthetic heavy-duty industrial gear oil

Product Description

Gulf Synthetic Gear Oil series are 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 Polyalkylene glycol (PAG) synthetic base stocks having exceptional micro pitting protection, oxidation resistance and thermal properties and excellent low temperature fluidity. The combination of naturally extremely high viscosity index base stocks coupled with carefully selected additive technology provides excellent thermal stability, 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
- 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

- ISO VG 150 – 680 is approved by Flender for use in Helical, Bevel and Planetary gear units as indicated in BA 7300.
- Heavy-duty industrial enclosed gear boxes operating under severe conditions like high load, extreme temperatures and wide temperature ranges
- ISO VG 320 is specifically developed for lubrication of wind turbine gear box manufactured by Hansen, Flender, Rexroth, FAG, etc where such quality lubricants are recommended
- Filled for life systems, chain and conveyors, klin and ovens, compressor (reciprocating/ rotary)
- Bearing and circulation systems where high temperatures are encountered

Specifications, Approvals & Typical Properties

ISO Viscosity Grade		**68**	**150**	**220**	**320**	**460**	**680**	**1000**
Meets the following Specifications								
DIN 51517 Part 3		**X**	**X**	**X**	**X**	**X**	**X**	**X**
David Brown Type G Lubricant		**X**	**X**	**X**	**X**	**X**	**X**	**X**
Flender AG			**X**	**X**	**X**	**X**	**X**	**X**
Has the following Approvals								
Flender AG, Rev. 10			**X**	**X**	**X**	**X**	**X**	
Typical Properties								
Test Parameters	**ASTM**	**Test Values**						
Viscosity @ 40 ºC, cSt	D 445	68	150	227	339	477	689	1000
Viscosity Index	D 2270	214	232	242	252	262	272	284
Flash Point, ºC	D 92	284	284	284	282	284	287	296
Pour Point, ºC	D 97	-51	-47	-42	-39	-36	-33	-30
Density @ 15ºC, Kg/l	D 1298	1.042	1.057	1.057	1.062	1.067	1.072	1.089
FZG, fail load stage	DIN 51324	-	>12	>12	>12	>12	>12	>12
Rust Test	D 665A/B	Pass	Pass	Pass	Pass	Pass	Pass	Pass
Copper Corrosion	D 130	1a	1a	1a	1a	1a	1a	1a

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