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 water soluble Polyalkylene Glycol (PAG) base stocks which are known for providing excellent micropitting resistance, thermal properties, excellent low temperature fluidity, EP properties and oxidation resistance,. The combination of extremely high viscosity index base stocks coupled with high performance additive technology provides excellent thermal stability, protection against scuffing and resistance against micropitting under wide operating temperature range.

Features & Benefits

- Outstanding load carrying capability and micro-pitting resistance protects gears against scuffing and wear leading to enhanced equipment life and reduced maintenance costs
- Superior thermo-oxidative stability provides enhanced system cleanliness and enables longer service intervals
- Excellent resistance to rust and corrosion protection ensures trouble free operation
- Good seal and paint compatibility with a wide variety of seals and paints

Applications

- ISO VG 150 – 680 meets the Siemens (Flender) T 7300 A+B specification for Flender Helical, Bevel, Worm and Planetary gear units.
- 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.
- Heavy-duty industrial enclosed gear boxes operating under severe conditions like high load, extreme temperatures and wide temperature ranges
- Fill for life systems, chain and conveyors, kiln and ovens, textile lubricants, compressor (Reciprocating, Rotary screw)
- Bearing and circulation systems where high temperatures are encountered

- **Materials Compatibility**
- Compatible with common seal and gasket materials
- For high temperature applications, Nitrile Rubber (NBR), Fluoro-Silicone or Vinyl-Metyl Polysiloxane (Q) are recommended
- Ordinary industrial paints soften in presence these products, internal gearboxes surfaces should be unpainted or coated with resistant materials.

Specifications, Approvals & Typical Properties

ISO Viscosity Grade		**150**	**220**	**320**	**460**	**680**
Meet the following Specifications						
DIN 51517 Part 3		X	X	X	X	X
ISO 12925-1 CKPG, CSPG and CTPG		X	X	X	X	X
David Brown Type G Lubricant		X	X	X	X	
Siemens (Flender) T 7300 A+B		X	X	X	X	X
Typical Properties						
Test Parameters	**ASTM Method**	**Typical Values**				
Viscosity @ 40 ºC, cSt	D 445	159	230	330	470	690
Viscosity Index	D 2270	230	235	245	252	263
Flash Point, ºC	D 92	>290	>290	>290	>290	>290
Pour Point, ºC	D 97	-42	-42	-39	-36	-36
Density @ 15ºC, Kg/l	D 1298	1.054	1.058	1.062	1.065	1.070
FZG, fail load stage A/8.3/90	ISO 14635-1	>14	>14	>14	>14	>14

Note:These products should not be mixed with mineral oil or PAO based products.

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