PRODUCT DATA SHEET

GulfSea Synth Gear Oil PG 220

Fully Synthetic Heavy Duty Gear Oil specially formulated from Polyalkylene Glycol (PAG) synthetic based stocks particularly suitable for gears and bearings application at high temperatures and heavy shock loads.

Product Description

GulfSea Synth Gear Oil PG 220 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 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 (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 (such as NBR, FVNQ or FMQ) and paints.
- Performance meeting / exceeding the following requirements:
    - AGMA 9005-E02
    - DIN 51517 Part 3, CLP
    - DAVID BROWN G
    - AIST 224

Applications

- Heavy-duty marine and industrial enclosed gears operating under severe conditions like high load, extreme temperatures and wide temperature ranges.
- Filled for life systems.
- Suitable for enclosed gear drives with both circulating and splash systems working under all severe conditions.
- Severe heavy duty gearboxes with high risk of micro pitting wear.
- Offers maximum protection for worm gear applications offering reduced maintenance cost.

Due to continual product research and development, the information contain herein is subject to change without notification.
Typical Properties may vary slightly

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Typical Properties

GulfSea Synth Gear Oil PG 220		
ISO Viscosity Grades		220
Typical Properties		
Test Parameters	**ASTM Method**	**Typical Values**
Specific Gravity @15.6° C	D 4052	0.998
Viscosity @ 40 ºC, cSt	D 445	234.0
Viscosity Index	D 2270	214
Flash Point, ºC	D 92	260
Pour Point, ºC	D 97	-32
FZG Gear Test	D 5182	>12

Mar 2026

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