



PRODUCT DATA SHEET

GulfSea Synth Gear Oil Series

Marine Synthetic Gear Oil specially formulated for all types of gears and bearings with higher oxidation resistance, hydrolysis resistance and anti-rusting properties.

Product Description

GulfSea Synth Gear Oil 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 Polyalphaolefin (PAO) 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 (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.
- Performance meeting / exceeding the following requirements:
 - AIST 224
 - AGMA 9005-E02
 - DIN 51517 Part 3 Group CLP
 - ISO 6743-6 Category CKD
 - CINCINNATI MILACRON
 - DAVID BROWN

Applications

- Heavy-duty marine enclosed gears such as bow thruster and purifier.
- 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.
- Severe heavy duty gearboxes with high risk of micro pitting wear.



Marine

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Typical Properties

GulfSea Synth Gear Oil Series				
		150	220	320
ISO Viscosity grades		150	220	320
Typical Properties				
Test Parameters	ASTM Method	Test Values		
Specific Gravity @ 15.6° C	D 4052	0.851	0.846	0.848
Viscosity @ 40 °C, cSt	D 445	150.5	217.6	320.8
Viscosity Index	D 2270	156	158	161
Flash Point, °C	D 92	272	290	294
Pour Point, °C	D 97	-39	-39	-36
Copper Corrosion (3 hr, 100° C)	D 130	1b	1b	1b
Rust Test	D 665 A & B	Pass	Pass	Pass
Timken Ok Load (lbs.)	D 2782	>60	>60	>60
FZG Gear Test	D 5182	>12	>12	>12
Four Ball Wear Scar, mm	D 4172	< 0.35	< 0.35	< 0.35

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