

PRODUCT DATA SHEET



Athen Marine Gear SYN PAG 220

Premium Marine Fully Synthetic Heavy Duty Gear Oil

Product Description

The **Athen Marine Gear SYN PAG 220** is a specially formulated from Polyalkylene Glycol (PAG) synthetic based stocks particularly suitable for gears and bearings application at high temperatures and heavy shock loads. 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

- Excellent resistance to rust and corrosion protection and good Demulsibility ensures trouble free operation at high temperatures and applications encountering water contamination.
- 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.
- Good seal and paint compatibility with a wide variety of seals (such as NBR, FVNQ or FMQ) and paints

Applications

- Heavy-duty marine and industrial enclosed gears operating under severe conditions like high load, extreme temperatures and wide temperature ranges.
- 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.

Athen Marine Gear SYN PAO Series		
Performance Level Meets/Exceeds the specifications		
DIN 51517 part 3 CLP, AGMA 9005-E02,AIST 224, and DAVID BROWN G		
ISO Viscosity Grades		220
Test Parameters	ASTM Method	
Density @ 15°C, Kg/l	D 1298	0.995
Viscosity @ 40 °C, cSt	D 445	220
Viscosity Index	D 2270	210
Flash Point, °C	D 92	262
Pour Point, °C	D 97	-36
FZG Gear Failure Load (A/8.3/90)	D 5182	>12

"Data provided in this PDS is based on standard tests under laboratory conditions and is indicative only. Minor variations which do not affect product performance are expected in normal manufacturing. This product should not be used for any purpose other than those expressly set out in this PDS"