



SYNX-IG 220

SYNX-IG 220 is blended from PAO, esters and top tier additive technology for industrial applications in highly stressed bearings, joints, pressure screws, spur gears, worm gears and planetary gears providing better protection than standard conventional industrial gear oils have to offer.

SYNX-IG 220 has proven its versatility in extreme service applications at high and low temperatures and is recommended in all types of enclosed gear drives, particularly where extended periods of service may be required.

Advanced extreme pressure additive materials provide excellent load carrying ability and thus reduce wear across gear teeth and bearings, thus helping to eliminate the build up of solids that create maintenance clean up and downtime

Product Benefits:

- Clean-gear performance under conditions of high temperature and oxidation.
- Excellent phosphorous retention ensuring extended wear protection.
- Extended micropitting and corrosion performance
- Extended service intervals
- Reduced machine down time
- Guaranteed quality assurance to consumers vehicles

TYPICAL PROPERTIES

Density @ 15°C	0.86
Viscosity @ 40°C (cSt)	218
Viscosity @ 100°C (cSt)	29.2
Viscosity Index	>150
Pour Point (°C)	-42
Flash Point (°C) (COC)	>250
Foam Tendency/Stability (ml) Sequence I	20/0
FAG FE8 DIN 51819-3 Weight loss Rollers (mg)	<5
FZG Micropitting Test @ 90°C (FVA 54/7) First Stepwise Phase, LS	10
Second Stepwise Phase, LS	10
GF Class	High
FZG Scuffing Load Test A/8.3/90	14
A/16.6/90	14
Rust Test A (ASTM D665)	Pass
Rust Test B (ASTM D665)	Pass
Copper Corrosion (3h @ 100°C)	1b

PERFORMANCE SPECIFICATIONS

ISO: 220
AGMA: 9005-F16 Antiscuff
Cincinnati Machine P-74
David Brown S1.53.106
DIN: 51517 (part 3)
Siemens MD (Flender) Rev 15
US Steel: 224

Suitable for use in gearboxes from the following leading manufacturers:

Bosch Rexroth
Eickhoff
Jahnel-Kestermann
Moventas
Winergy
ZF Wind Power (formally Hansen)

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