



Product Information

GEAR OIL SYN 220

Codes: GOSYN220

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Premium fully synthetic extreme pressure industrial gear oil, manufactured using carefully selected extreme pressure and anti-wear additives.

Penrite Gear Oil Syn 220 meets the requirements of API GL-3 and AGMA 250.04 5EP

APPLICATION

Designed for use in industrial gear boxes including in crushers, hoists, conveyors, winches, machine tools and lathes.

They can also be used in chain drives, sprockets, plain and anti-friction bearings and slide guides.

Gear types include spur, helical, herringbone, bevel and even worm gears that need lighter oils.

BENEFITS

- Compatible with copper alloy components
- Protects against rust and corrosion
- Minimises wear by using effective extreme pressure additives.
- Outstanding oxidation and thermal stability for long life.
- Minimises foaming
- Excellent demulsibility
- Easy start up due to good low temperature fluidity
- Extended equipment life
- Low friction

INDUSTRY SPECIFICATIONS

Penrite Gear Oil Syn 220 meets the performance requirements of:

API GL-3
AGMA 2005-D94
US Steel 224
Clean Panel Coker and S-200 Oxidation

AGMA 250.04
Cincinnati Milacron

Typical Properties

ISO Grade	220
Density at 15°C, kg/L	0.872
Viscosity, Kinematic, cSt	
at 40°C	220
at 100°C	23
Viscosity Index	124
Pour Point, °C	-37
Copper Corrosion, 3 hour at 150°C	1a
AGMA	5EP
FZG Pass Stage	12
Four Ball EO, Weld Point, kg	250

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Environment, Health and Safety

Information is available by request on this product in the Penrite Material Safety Data Sheet. Information in this sheet is based on the most current information available. Minor variations to typical properties not affecting the performance of the product are to be expected in normal manufacture.
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