

# GEARMAX XP 220

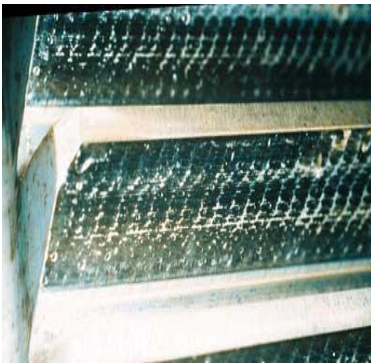
Product code: 261201301

## Gear oil offering protection against micro pitting

This product is range of mineral gear oils developed for any type of gearbox. The latest technology in base oils and a special additive package provides excellent protection against micro pitting. It provides superior EP properties, a very good anti oxidant and anti rust protection, excellent anti wear properties and has a low tendency to foaming. Furthermore, it provides quick moisture separation and optimal filterability.

### Micro pitting

Micro pitting occurs under elastohydrodynamic lubrication (EHL) and will appear on the working surfaces of the gear. It is recognized as damaging to gear tooth accuracy, and in some cases, a primary failure mode. Micropitting begins as surface contact at high points on gear tooth surfaces, such as crests of undulations, peaks of cutter scallops, ridges of grinding lay and edges of grinding scratches where maximum peak-to-valley roughness of tooth surface may be about two to four mm. It may occur at edges of teeth and boundaries of surface defects, such as scratches and dents. It may also occur adjacent to damage from other failure modes such as micropitting or scuffing, and anywhere lubricant film is disrupted.



This product is formulated according to the latest technology and the latest knowledge of preventing from micro pitting.

### Applications

It can be used in industrial gears when EP properties are needed and meets AIST 224, DIN 51517 Part 3CLP, Agma 250.04, SEB 181226 and FLENDER Revision 12 specifications.

Typical applications of heavy loaded gearboxes can be found in

- Wind turbines
- Metal processing industry
- Cement industry
- Plastic, paper and ceramics industry

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## Typical Performance Data

Typical	Test Method	Value
Density @ 20 °C, g/ml	-	0.889
Viscosity @ 40 °C, cSt	-	220
Viscosity @ 100 °C, cSt	-	18
Viscosity index	-	90
Flash point, °C	-	210
Pour point, °C	-	-13
Copper Corrosion	ASTM D-130	1a
Rust test	A ISO 7120	Pass
FZG	A/8.3/90 A/16.6/90	>12

All performance data on this Technical Data Sheet are indicative only and can vary during production.