

# FOOD-PLUS GEAR PAG GEN 220

FOODGRADE GEAR OILS

323501001



## SYNTHETIC GEAR AND CHAIN OIL FOR THE FOOD INDUSTRY

The product line comprises high-performance synthetic food grade gear oils that are ideal for lubricating gearboxes, reduction units, drive chains, and conveyor chains, providing long-lasting performance. These fluids are engineered to offer excellent anti-wear properties, high stability against oxidation, and a low pour point. They resist mechanical shearing and remain stable during aging, exhibiting favorable viscosity-temperature characteristics. The fluids are also adhesive, which effectively prevents wear during startup operations. Additionally, the product is NSF H1 registered, making it safe for incidental food contact. The primary purpose of this product is to lubricate gearboxes, bearings, endless screws, circulating systems, and conveyor chains (up to 240°C). It is particularly suitable for use in very humid environments as it remains impervious to water.

## CATEGORY

- Gear Oils

## BENEFITS

- Extremely good oxidation stability extending lubricant life
- Excellent water resistant properties, demulsibility ensures total separation of water from oil
- Adhesive
- Penetrates to chain links and pins reducing wear and extending chain life
- Non-dripping
- Protects from corrosion even in presence of alkali materials
- Extremely wide temperature range
- Excellent resistance to high loads

PROPERTY	METHOD	VALUE
Colour	Visual	Colorless
Density @ 20 °C, kg/dm <sup>3</sup>	ASTM D1298	1
Viscosity @ 40 °C, mm <sup>2</sup> /s	ASTM D445	220
Viscosity @ 100 °C, mm <sup>2</sup> /s	ASTM D445	36.5
Viscosity index	ASTM D2270	210
Flash point, °C	ASTM D92	240
Pour point, °C	ASTM D97	-40
TAN, (max) mg KOH/g	ISO 6618	1.2
Copper Corrosion	ASTM D130	pass
4-ball Wear, 1200 rpm, 75°C, 40kg	ASTM D4172	0.3
4-ball Weld load, kg	ASTM D2783	200
Rust Test		Pass
FZG load stage	DIN 51 354	> 12
NSF approval, HI		141664
Kosher approved		YES
Halal approved		YES

All data on this technical data sheet is indicative only

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