



# MAKER FG GEAR SYNTH

## Description

MAKER FG GEAR SYNTH is a 100% synthetic fluid formulated using non-toxic polyalphaolefins (PAO) and a selection of safe additives which give the oil excellent properties for use in gears. All of the substances used to formulate these lubricants are registered with the FOOD and DRUGS ADMINISTRATION (FDA). This product is registered by the NSF as an H1 lubricant that may come into incidental contact with food products).

## Properties

- Excellent anti-foaming properties.
- Very good response to mechanical and thermal shear.
- Excellent performance in load-bearing operations.
- Excellent oxidative stability.
- Great anti-rust and anti-wear properties.
- Very low friction coefficients.
- MOAHs free (Mineral Oil Aromatic Hydrocarbon).

## Main applications

- Gears and transmissions in the crankcase.
- Bevel and helical gears.
- Any mechanism requiring oils that performs properly across a wide range of temperatures.
- Bearings, chains, spindles, and any mechanism requiring EP additives.

## Quality levels, approvals and recommendations

- NSF: H1\*
- ISO: 6743/6-CKS
- DIN: 51517/3 - CLP
- \*Formal approval





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## Technical specifications

	UNIT	METHOD	VALUE			
ISO Viscosity Grade			150	220	320	460
NSF registration number H1			155056	155057	155058	155059
Density at 15 °C	g/cm3	ASTM D4052	0.841	0.844	0.844	0.845
Viscosity at 40 °C	cSt	ASTM D445	147	222	323	450
Viscosity at 100 °C	cSt	ASTM D445	21.4	28.2	36.9	47.5
Viscosity index	-	ASTM D2270	160	160	160	160
Pour point	°C	ASTM D97	-46	-43	-42	-40
Flash point, open cup	°C	ASTM D92	240	240	240	250
Copper corrosion		ASTM D130	1 a	1 a	1 a	1 a
FZG test (A/2, 8/50)		DIN 51354	>12	>12	>12	>12

The above mentioned characteristics are typical values and should not be considered product specifications.

