

Lubricants

Description

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).

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.

Properties

- Excellent performance in load-bearing operations.
- Excellent oxidative stability.
- Great anti-rust and anti-wear properties.
- Very low friction coefficients.
- Excellent anti-foaming properties.
- Very good response to mechanical and thermal shear.



Technical specifications

	UNIT	METHOD	VALUE			
ISO grade			150	220	320	460
NSF H1 registration code			155056	155057	155058	155059
Density at 20°C	g/ml		0.841	0.844	0.844	0.845
Viscosity at 40°C	cSt	ASTM D445	135/165	198/242	288/352	414/506
Viscosity at 100°C		ASTM D2270	21.4	28.2	36.9	47.5
Viscosity index		ASTM D92	160	160	160	160
Pour point	°C	ASTM D97	-46	-43	-42	-40
Flash point	°C	ASTM D130	240	240	240	250
Copper corrosion			1 a	1 a	1 a	1 a
FZG test		DIN 51354	>12	>12	>12	>12

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

A safety information sheet is available on request.

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