

SYNGEAR FG



Overview: SynGear FG food grade gear oils are formulated from pure synthetic base oils for outstanding thermal and oxidative stability. They are NSF registered as meeting the guidelines of an H1 product for incidental food contact. SynGear FG gear oils contain extreme pressure, anti-wear, and anticorrosion additives to protect gears, bearings and shafts in a variety of enclosed gear systems. They are suitable for use wherever an extended service or extreme temperature food grade gear lubricant is required. Available in ISO grades 220 and 320.

Specifications, Approvals, Recommendations:

- NSF H1 Food Grade Lubricant

Physical Properties	FG 220	FG 320
ISO Grade	220	320
Specific Gravity, ASTM D1298	.85	.85
Viscosity, ASTM D445 @40°C, cSt	213	320
Viscosity, ASTM D445 @100°C, cSt	26	33
Viscosity Index (VI), ASTM D2270	158	144
Pour Point, ASTM D97, °F (°C)	-40 (-40)	-30 (-34)
Flash Point, ASTM D92, °F (°C)	>520 (271)	>520 (271)
FZG Laod, Pass Stage, DIN 51354	12+	12+
Copper Corrosion, ASTM D4048	1A	1A
Rust Test, ASTM D665, A & B	PASS	PASS

Applications & Industries: To be used in industrial gear applications primarily in food processing and food packaging plants where extended drain intervals are required or where extreme temperatures are present. SynGear FG gear oils are not designed to biodegrade in the environment should a release occur. For applications that require biodegradability due to regulation or a sensitive environment, please use BioGear EP or BioGear S gear oils.