

**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.



SynGear FG is available in ISO grades 220 and 320.

**Typical Properties** ▼

Property	ASTM Test Method	FG 220	FG 320
Product Code		FSG4920220	FSG4920320
ISO Grade		220	320
Specific Gravity	ASTM D1298	.85	.85
Viscosity @40°C, cSt	ASTM D445	220	320
Viscosity @100°C, cSt	ASTM D445	26	33
Viscosity Index (VI)	ASTM D2270	158	144
Pour Point °F (°C)	ASTM D97	-40 (-40)	-30 (-34)
Flash Point °F (°C)	ASTM D92	>520 (271)	>520 (271)
Gear Lubrication, FZG Load Stage	DIN 51354	12+	12+
Copper Corrosion	ASTM D4048	1A	1A
Rust Test, A & B	ASTM D665	Pass	Pass

**Key Attributes / Approvals** ▶



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.

- NSF H1 Food Grade Lubricant
- Meets AGMA 9005-E02 Industrial Gear Specification
- Classified as Environmentally Acceptable Lubricants (EAL's) as per the EPA's guidance document that defines standards for Environmentally Acceptable Lubricants (EPA 800-R-11-002) and as required by EPA's 2013 U.S. Vessel General Permit (VGP)

See the Safety Data Sheet (SDS) for emergency, proper handling and disposal information.

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