

Overview ▶ BioFlo FG is a readily biodegradable, high performance food grade lubricant that meets the requirements for high-pressure anti-wear hydraulic fluids for the food processing industry. BioFlo FG is NSF registered as meeting the guidelines of an H1 product for incidental food contact. Excellent lubricity and temperature stability provide efficient power transfer and superior service life with minimal viscosity change over a broad range of applications.



BioFlo FG fluids are formulated featuring our proprietary **eSyn™** technology and are available in ISO grades 32 and 46.

Typical Properties ▼

Property	ASTM Test Method	FG 32	FG 46
Product Code		FBF2900032	FBF2900046
ISO Grade		32	46
Specific Gravity	ASTM D1298	.091	.091
Viscosity @40°C, cSt	ASTM D445	32	46
Viscosity @100°C, cSt	ASTM D445	7	10
Viscosity Index (VI)	ASTM D2270	>188	>200
Pour Point °F (°C)	ASTM D97	8 (-13)	8 (-13)
Flash Point °F (°C)	ASTM D92	>400(204)	>500(260)
Copper Corrosion	ASTM D4048	1A	1A
Rust Test, A & B	ASTM D665	Pass	Pass
Readily Biodegradable (meaning>60%)		Pass	Pass
Biodegradability, %	OECD 301B	>90	>90
Bio-based Content, %	ASTM D6866	>95	>95

Key Attributes / Approvals ▶



- NSF H 1 Food Grade Lubricant ; USDA BioPreferred Program
- Superior anti-wear protection
- Excellent oxidation and temperature stability
- 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)

Use in hydraulic systems where a release into the environment is possible, where mandated by law, or where a leak or spill could reach a waste stream. Any industry, especially those with food processing equipment or food packaging equipment, either indoor or outdoor, utilizing mobile or stationary hydraulically powered equipment.

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

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