

DESCRIPTION

BioGrease FS 1 is a grease formulated to provide superior performance in the toughest conditions. BioGrease FS 1 is formulated with synthetic esters that enable the products to protect equipment at a very wide temperature range while also having limited impact on the environment. The grease provides excellent protection for equipment without using Moly to further reduce its impact on the environment and to enhance its cold weather performance. BioGrease FS 1 has mobility at temperatures as low as -40C.

FEATURES & BENEFITS

- Biodegradable
- Minimally Toxic
- Operate in wide temperature range
- Mobility at temperatures as low as -40°C
- Classified as and Environmentally Acceptable Lubricant (EAL) per EPA standards

SUITABLE USES

- Any industry (hydroelectric power dams, construction, refuse, mining, dredging, marine, agriculture, oil & gas, plant operations, etc.) utilizing equipment with a need for a grease capable of handling extreme temperatures
- For equipment where a release into the environment is possible or where a leak or spill could reach a waste stream.
- Suitable for use in automatic lubrication systems or via manual application

COMPATABILITY

Equipment Compatibility

- Compatibility for intended equipment - usage in equipment needing a general purpose/ EP grease with a higher base oil viscosity (200 cSt)

Lubricant Compatibility

- Lithium based grease – check compatibility charts or contact your BioBlend representative

Seal & Paint Compatibility

- Compatible with most seals and paints other than low Buna N (<33%) seals

APPLICATION / TECHNICAL SUPPORT

- Follow recommendations provided in your equipment owner's manual
- Follow your organization's best practices for preparation, cleaning, conversion, application, and ongoing maintenance practices
- **Technical Support** - If you have further questions, please fill out contact form on **bioblend.com** and one of our team will contact you to review your question(s)

APPROVALS / CERTIFICATIONS

- eSyn Certified
- Classified as environmentally acceptable lubricants (EAL's) as per EPA standards for biodegradability, toxicity and bioaccumulation in aquatic environments

PACKAGE SIZES

- 3 x 10 packs – 14 oz Cartridges
- 35 Lb Pails
- 120 Lb Kegs
- 400 Lb Drums

STORAGE

Keep in a cool, dry and well-ventilated place. Store in a properly labelled, original container. Containers which are opened must be carefully resealed and kept upright to prevent leakage. To help maintain product quality, do not store in heat or direct sunlight.

CAUTIONS

Ensure adequate ventilation. Do not breathe vapor/dust. Use personal protective equipment and avoid contact with skin, eyes, and clothing. Wash thoroughly after handling. See the safety data sheet (SDS) for emergency, proper handling, and disposal information.

AVAILABILITY

Worldwide

TYPICAL PROPERTIES

Technical Properties	ASTM Test Method	FS 1
Product Code		BGFS1
NLGI Grade		1
Color		Amber
Texture		Smooth
Viscosity @40°C, cSt	ASTM D445	100
Viscosity @100°C, cSt	ASTM D445	15
Viscosity Index (VI)	ASTM D2270	157
Performance Properties		
Timken OK Load, lbs	ASTM D2509	80 Pass
4 Ball Weld, Kg	ASTM D2596	250
4 Ball Average Scar, mm	ASTM D2266	.61
Dropping Point, °F (°C)	ASTM D2265	>350 (176)
Rust Test, A & B	ASTM D665	Pass
Readily Biodegradable (meaning>60%)		Pass
Biodegradability, %	OECD 301B	>62
Minimally Toxic		Pass
Algae (EC 50), 72 hr, mg/L	OECD 201	>20,000
Daphnia (EC 50), 48 hr, mg/L	OECD 202	>10,000
Fish (LC 50), 96 hr, mg/L	OECD 203	>56,000
Not Bioaccumulative (Calculated value as per EPA standard)		Pass

The values quoted above are typical of normal production. They do not constitute a specification.

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APPROVALS / CERTIFICATIONS LOGOS

