

DESCRIPTION

BioGear SB is a line of industrial gear oils formulated to provide excellent protection in a wide variety of industrial and mobile equipment. The blend of natural ester and synthetic base oils enable BioGear SB to perform at high levels for extended periods of time and fit within the AGMA definition of industrial gear oils. BioGear SB reduces operating temperatures and wear.

FEATURES & BENEFITS

- Excellent anti-wear properties
- Wide temperature operating range
- Readily biodegradable

SUITABLE USES

To be used in industrial gear applications across a wide range of industries. Use in equipment where a release into the environment is possible, where the authorities have mandated the usage of an EAL, or where a leak or spill could reach a waste stream.

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

- 5 Gal Pails
- 55 Gal Drums
- 275 Gal Totes

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	Test Method	SB 150	SB 220
Product Code		BGSB150	BGSB220
ISO Grade		150	220
Specific Gravity	ASTM D1298	.91	.91
Viscosity @40°C, cSt	ASTM D445	150	220
Viscosity @100°C, cSt	ASTM D445	25.2	33.0
Viscosity Index (VI)	ASTM D2270	>220	>220
Performance Properties			
Pour Point °F (°C)	ASTM D97	-30 (-34)	-25 (-31)
Flash Point °F (°C)	ASTM D92	>500 (260)	>500 (260)
Timken OK Load, lbs	ASTM D2509	>60lbs	>60lbs
Falex EP Fail Load,	ASTM D3233	3500	3500
Gear Lubrication, FZG Load Stage	DIN 51354-2	12	12
Recommended for Agma No.		4EP	5EP
Copper Corrosion	ASTM D4048	1A	1A
Rust Test, A & B	ASTM D665	Pass	Pass
Readily Biodegradable (meaning>60%)		Pass	Pass
Biodegradability, %	OECD 301B	>85	>85
Minimally Toxic		Pass	Pass
Algae (EC 50), 72 hr, mg/L	OECD 201	>14,000 mg/L	>14,000 mg/L
Daphnia (EC 50), 48 hr, mg/L	OECD 202	>20,000 mg/L	>20,000 mg/L
Fish (LC 50), 96 hr, mg/L	OECD 203	>30,000 mg/L	>30,000 mg/L
Not Bioaccumulative (Calculated value as per EPA standard)		Pass	Pass
Bio-based Content, %	ASTM D6866	>85	>85

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

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APPROVALS / CERTIFICATIONS LOGOS
