

**Overview** ▶ BioGrease OG is an Open Gear NLGI 1 grease formulated from a blend of readily biodegradable natural and synthetic ester base oils. It is a lithium grease designed to provide tackiness and superior adhesion properties. Capable of handling heavy loads at slow speeds in wet environments. Available in pails, drums and a convenient caulk tube,



BioGrease OG is formulated featuring our proprietary **eSyn™** technology.

**Typical Properties** ▼

PROPERTY	ASTM TEST METHOD	OG #1
BioBlend Product Code		BG550001
Color		Black
Appearance / Texture		Smooth / Very Tacky
Thickener Type		Lithium
Base Oil Type		Synthetic Ester / Natural Ester
Viscosity @ 40°C, cSt	D-445	1908
Viscosity @ 100°C, cSt	D-445	227.4
VI	D-2270	258
Penetration, Unworked	D-217	325
Penetration, Worked, 60x	D-217	325
4 Ball Weld (kg)	D-2596	620
4 Ball Wear, Coefficient of friction	D-2266	0.66 mm (COF=0.058)
Water Spray off, % loss	D-4049	2.9
Copper Corrosion, Rating	D-4048	1B
Evaporation Loss, % loss	Proprietary Method	325
Rust Test, DI Water	D-1743	325
Dry Roll Stability, 2 hrs @ 25°C	D-1831	620
Wet Roll Stability, 10 % Water, 2hrs @ 25°C	D-1831	15.12 %
Brookfield Viscosity, T-C Spindle 0°C		1,192,000 cP
-10°C		1,168,000 cP
20°C		6,960,000 cP
Lincoln Ventmeter, psi @ 0°C 32°F		320 psi
-10°C/14° F		650 psi
-20°C/-4° F		1180 psi
BioBased Content %	D-6866	>67
Biodegradability	OECD 301B (>60 PASS)	>67

## Key Attributes / Approvals ▶



- Classified as Environmentally Acceptable Lubricant (EAL) 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)
- Formulated for High Moisture Environments
- Biodegradable
- Renewable
- Sustainable
- Biobased

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

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