

## PRODUCT NAME

**BioGrease OG – Biodegradable Open Gear Grease, NLGI 1**

## MANUFACTURER

BioBlend Renewable Resources, LLC.  
1500 Jarvis Ave.  
Elk Grove Village IL, 60007  
888.BIO.BLND (888.246.2563)

## DESCRIPTION

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 loads at slow speeds in wet environments.

## FEATURES AND BENEFITS

- Very tacky formulation to help withstand high moisture environments
- Readily biodegradable
- Excellent at handling loads at slow speeds

## PACKAGING

- 25 Pack of Caulk Tubes

## SUITABLE USES

Trunnion wheels, Ball mills, Slides Rails and Augers used in the mining, marine and hydroelectric industries.

## LIMITATIONS

Not designed for ultra-heavy loads. If you are unsure of application load and scale, please contact your BioBlend representative to review your application prior to use.

## STORAGE AND SHELF LIFE

**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.

**Shelf Life** - Product shelf life is 24 months from date of packaging. In some cases product can last longer, please contact your BioBlend representative for proper testing and confirmation instructions.

## 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.

## APPLICATION

- Follow recommendations provided in your equipment's owner's manual
- Follow your organization's manuals and/or best practices for preparation, cleaning, conversion, application and ongoing maintenance practices
- If you have further questions, please contact BioBlend Tech Services by filling out the contact us form on [bioblend.com](http://bioblend.com)

## AVAILABILITY

Worldwide

## TECHNICAL SERVICES

For additional information including the Safety Data Sheet (SDS), Frequently Asked Questions, and Glossary please visit [bioblend.com](http://bioblend.com).

## APPROVALS AND CERTIFICATIONS

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)

## 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
Base oil Viscosity @ 40°C, cSt	D-445	1908
Base oil Viscosity @ 100°C, cSt	D-445	227.4
Viscosity Index (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

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

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