



PRODUCT DATA SHEET



BIODEGRADABLE MULTIPURPOSE EXTREME PRESSURE GREASE

Biodegradable Multipurpose Extreme Pressure Grease is a true high performance, Extreme Pressure biodegradable grease formulated using readily renewable bio-based fluids. As an organo-clay grease, **Biodegradable Multipurpose Extreme Pressure Grease** exhibits all of the beneficial properties of that thickening system, including excellent water washout resistance, mechanical and thermal stability. **Biodegradable Multipurpose Extreme Pressure Grease** provides excellent Extreme Pressure and load carrying capabilities for superior wear protection and extended component life while providing rust and corrosion protection with the added benefit of biodegradability.

Applications

- ◆ Typical industrial applications including general machinery bearings
- ◆ Marine, mining, forestry and construction equipment where there is a potential risk to harming the environment
- ◆ Designed to lubricate the coupler ram, helmet and drive screw of the tug-barge coupler

Features and Benefits

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| ◆ Organo-clay thickener | Mechanically stable and water resistant. |
| ◆ Biodegradable | Biodegrades into harmless substances. |
| ◆ Extreme Pressure and anti-wear properties | Maximizes component useful life helping to reduce replacement part costs and lost production time. |
| ◆ Non-toxic | Environmentally safe, reducing the effects on the eco-balance. Superior worker safety. |

General Description

Biodegradable Multipurpose Extreme Pressure Grease is an environmentally-friendly general purpose organo-clay grease based on natural oils. **Biodegradable Multipurpose Extreme Pressure Grease** excels in extreme applications including mining, construction, quarrying, forestry, and other heavy industries. Bel-Ray **Biodegradable Multipurpose Extreme Pressure Grease** meets the US EPA 2014 VGP definition of Environmentally Acceptable Lubricants.

Product No. 301544

**BIODEGRADABLE
MULTIPURPOSE EXTREME PRESSURE GREASE
TYPICAL PROPERTIES**

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| <u>Product No.</u> | <u>301544</u> |
| <u>Old Product No.</u> | <u>56851</u> |
| NLGI Grade | 2 |
| Penetration, worked (60 strokes), ASTM D217 mm/10 | 280 |
| Thickener Type | Organo-Clay |
| Base Fluid Type | Natural Oil |
| Viscosity (Base Fluid), ASTM D445 @ 40°C, cSt | 101 |
| @ 100°C, cSt | 20.0 |
| Viscosity Index (Base Fluid), ASTM D2270 | 222 |
| Dropping Point, ASTM D2265 °C (°F) | >260 (> 500) |
| Water Washout, ASTM D1264 @ 79°C (175°F), loss, weight % | 4.16 |
| 4-Ball EP Test, ASTM D2596 Weld Load, kg | 315 |
| Load Wear Index, kg | 69 |
| 4-Ball Wear Test, ASTM D2266 @ 1200 rpm, 40 kg, 1 hr, 75°C Scar Diameter, mm | 0.50 |
| Pour Point (Base Fluid), ASTM D97 °C (°F) | -39 (-38) |
| Flash Point (Base Fluid), ASTM D93 °C (°F) | 206 (583) |
| Useful Temperature Range °C | -10 to 70 |
| (°F) | (14 to 158) |
| Biodegradability, ASTM D5864, % | 66.3 |
| Color | Tan |