



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**

<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