



PRODUCT DATA SHEET



BIODEGRADABLE TUG COUPLER GREASE

Biodegradable Tug Coupler Grease is an organo-clay grease for lubrication of articulated tug systems formulated using readily renewable bio-base. The Extreme Pressure and load-carrying properties of **Biodegradable Tug Coupler Grease** provide maximum protection for tug coupler rams. **Biodegradable Tug Coupler Grease** also contains non-toxic lubricating solids to further enhance ram protection and reduced friction. The low toxicity and biodegradability of **Biodegradable Tug Coupler Grease** ensure maximum environmental and worker safety.

Applications

- ◆ Designed to lubricate the rams of the Articulated Tug System.
- ◆ Recommended where a grease with exceptional biodegradability. Low toxicity and low environmental impact is required.

Features and Benefits

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| ◆ Organo-clay thickener | Mechanically stable and water resistant for superior retention properties. |
| ◆ Biodegradable | Biodegrades into harmless substances. |
| ◆ Low water washout | Product continues to lubricate when operating in wet environments. |
| ◆ Environmentally safe | Non-toxic additives increase performance without causing severe damage to the environment. |

General Description

Biodegradable Tug Coupler Grease is a bio-based grease that is designed to meet the lubrication requirements of the Articulated Tug Coupling System. **Biodegradable Tug Coupler Grease** has the added benefit of being biodegradable to limit the risk of environmental harm during operation. **Biodegradable Tug Coupler** features an organo-clay thickener which provides mechanical stability and water resistance for operating in wet conditions. **Biodegradable Tug Coupler Grease** is formulated with a unique blend of Extreme Pressure and rust inhibition additives to reduce friction and extend equipment life. Bel-Ray **Biodegradable Tug Coupler Grease** meets the US EPA 2014 VGP definition of Environmentally Acceptable Lubricants.

Product No. 56854

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TYPICAL PROPERTIES

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| <u>Product No.</u> | <u>56854</u> |
| NLGI Grade | 1 |
| Penetration, worked (60 strokes), ASTM D217 mm/10 | 325 |
| Thickener Type | Organo-Clay |
| Base Fluid Type | Natural Oils |
| Viscosity (Base Fluid), ASTM D445 @ 40°C, cSt @ 100°C, cSt | 101 20.0 |
| Viscosity (Base Fluid), ASTM D2161 @ 100°F, SUS @ 210°F, SUS | 507 100 |
| Viscosity Index (Base Fluid), ASTM D2270 | 222 |
| Dropping Point, ASTM D2265 °C (°F) | >260 (> 500) |
| 4-Ball EP Test, ASTM D2596 Weld Load, kg | 250 |
| Pour Point (Base Fluid), ASTM D97 °C (°F) | -39 (-38) |
| Flash Point (Base Fluid), ASTM D93 °C (°F) | 206 (403) |
| Biodegradability, ASTM D5864, % | 65.3 |
| Useful Temperature Range °C (°F) | -10 to 70 (14 to 158) |
| Specific Gravity, ASTM D1475, 60/60°F | 0.910 |
| Color | Tan |