

PRODUCT DATA SHEET

Royal Ultra 865 HD Grease

Heavy Duty & Severe Purpose Grease



PRODUCT DESCRIPTION:

Royal Ultra 865 HD Grease is an Environmental-friendly and responsible superior performance, heavy duty grease exhibiting outstanding film strength and outstanding resistance to corrosive saltwater environments. It does not contain any heavy metals or environmentally damaging additives; thereby, significantly reducing the risk of environmental contamination, making it an optimal choice for marine applications among many other very severe applications in mining, oil fields, loggings, construction, etc.

Royal Ultra 865 HD Grease has been carefully engineered and perfected over the recent years using an exclusive high performance over-based calcium sulfonate complex thickener, high viscosity base oils, and a selected combination of polymer additives. This formulation creates excellent mechanical stability and supreme long lasting adhesion to the metal surfaces, preventing wipe off, giving this product exceptional lubricity, high load carrying capability, thermal stability, rust protection and excellent water washout resistance.

Royal Ultra 865 HD Grease does not contain any of the following harmful additives: antimony, barium, chlorine, lead, copper, graphite, phosphorus, sulfur or zinc. This product is not biodegradable.

KEY FEATURES:

- Calcium Sulfonate Complex base
- High Viscosity Base Oils
- Water Resistant and super tacky
- Balanced Timken & Weld Load for a superior EP performance.
- Outstanding Mechanical Stability
- High Drop Point – Suitable for high temperature application
- Excellent rust protection properties
- Contains no Heavy Metals or other harmful additives

CUSTOMER BENEFITS:

- Excellent performance under heavy loads
- Forms strong film on metal surface and protects equipment from rust and water
- Superior protection under both Shock loading and Running conditions
- Prevents grease breakdown even in presence of water
- Do not drip out under running conditions
- Extraordinary performance at high temperatures
- Protects equipments from rusting under wet and water ingress conditions.
- Environmentally responsible and helps protects water stream.

APPLICATIONS:

Royal Ultra 865 HD Grease is highly recommended for marine, oil fields and logging applications but will perform virtually in all industrial applications like steel, mining, off highway, and automotive, especially where high temperature and water ingress environment prevails concurrently.

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PACKAGING:

Totes, Drums and Pails

Typical Properties

| Royal Ultra 865 HD Grease | | | | |
|--|--------------|--------------|--------------|-------------|
| PRODUCT CODE | 952AB | 952AL | 952AF | Test Method |
| NLGI grade | 1 | 2.5 | 3 | |
| Thickener type | Ca-Sulfonate | Ca-Sulfonate | Ca-Sulfonate | |
| Color | Amber | Amber | Amber | Visual |
| Base Oil viscosity | | | | |
| SUS @ 100 F | 2468 | 2468 | 2468 | |
| SUS @ 210 F | 148.2 | 148.2 | 148.2 | ASTM D-445 |
| cSt @ 40 C | 460 | 460 | 460 | |
| cSt @ 100 C | 30.2 | 30.2 | 30.2 | |
| VI | > 94 | > 94 | > 94 | |
| Drop Point, °F | + 500 | + 500 | + 500 | ASTM D2265 |
| Worked Penetration at 25°C | 320 | 285 | 235 | ASTM D 217 |
| Change after 100,000 strokes | < + 20 | < + 20 | < + 20 | |
| Oil Separation , 25 C, 24 Hrs , % | 0.40 | 0.40 | 0.40 | ASTM D 1742 |
| Four Ball Weld load , kg | 500 | 500 | 500 | ASTM D 2783 |
| Timken OK Load , lbs | >65 | >65 | >65 | ASTM D 2509 |
| Wear Scar Dia, mm | 0.45 | 0.45 | 0.45 | ASTM D 2266 |
| Water Washout , wt % loss @ 175 F | 1.3 | 1.3 | 1.3 | ASTM D 1264 |
| Water Spray off, % | < 10 | < 10 | < 10 | ASTM D 4049 |
| Rust Test , rating | Pass | Pass | Pass | ASTM D 1743 |
| Oxidation Stability , PSI drop 100 hrs | 2.0 | 2.0 | 2.0 | ASTM D 942 |

Typical Properties are typical of those obtained with normal production tolerance and do not constitute a specification. Variations that do not affect product performance are to be expected during normal manufacture and at different blending locations. The information contained herein is subject to change without notice.

Health and Safety:

When used for its intended application, this product is not expected to have any adverse health implications. For complete information on safe handling, as well as physical and chemical characteristics please refer to the Material Safety Data Sheet (MSDS) found on our website, www.royalmfg.com, or call 918-584-2671. Do not use this product for purposes other than its intended use. Please be responsible to the environment when disposing of used product.