



Royal 865M Grease

Heavy Duty Calcium Sulfonate Grease

Royal Ultra 865M Grease has been carefully formulated using high viscosity base oil and overbased calcium sulfonate complex thickener system fortified with Moly and special additives providing this grease an outstanding Extreme Pressure properties, exhibiting excellent water repellency, oxidation resistance, and a wide operating temperature range.

Royal Ultra 865M Grease is formulated with an innovative and synergistic combination of solid lubricants which physically adhere to the metal surfaces and form a strong protective film, preventing welding and reduce friction even under the most severe operating conditions such as very heavy and shock loads.

Royal Ultra 865M Grease is a heavy-duty extreme pressure grease formulated using high viscosity oil thus exhibiting outstanding film strength and resistance to corrosive saltwater environments.

Royal Ultra 865M Grease meets and exceeds the demanding automotive and industrial testing requirements of ASTM D 4950, earning it the GC-LB classification by the National Lubricating Grease Institute. This grease also meets Caterpillar CAT 5% moly requirements.

Product Features:

- Calcium sulfonate base with Moly
- High viscosity base oil
- Water Resistant
- Outstanding Extreme Pressure properties
- Wide temperature operability
- Superb rust protection properties

Customer Benefits:

- Extended service life of equipment
- Excellent performance under heavy and shock loads
- Extraordinary performance at high and low temperatures
- Protects equipment from rusting under humid and water ingress conditions

Applications:

- **Royal Ultra 865M Grease** is an obvious choice for virtually any multi-purpose or severe extreme pressure application, particularly where the end user prefers a Moly fortified grease. It is recommended for the most severe applications in off-highway construction, mining equipment, earth moving machines, Caterpillar equipment, as well as other heavy-duty construction and mining equipment moving at slow to medium speed .



Typical Properties

Royal Ultra 865M Grease

Product Number	951TB	951TM	951TA	Test Method
Thickener Type	Calcium Sulfonate Complex	Calcium Sulfonate Complex	Calcium Sulfonate Complex	-
Texture	Smooth	Smooth	Smooth	Visual
Color	Gray, Black	Gray, Black	Gray, Black	Visual
NLGI Grade	1	1.5	2	ASTM D217
Worked Penetration@25°C	320	305	282	ASTM D217
Drop Point, °F	+500	+500	+550 min	ASTM D2265
Viscosity@40°C, cSt	461	461	461	
Viscosity@100°C, cSt	30.2	30.2	30.2	ASTM D445
Viscosity@100°F, SUS	2474	2474	2474	
Viscosity@210°F, SUS	148.2	148.2	148.2	
Wheel Bearing Leakage, gm	4.5	4.5	2.5	ASTM D1263
Solid Lubricants, %	5.0	5.0	5.0	
Weld Load, kg	620	620	620	ASTM D2596
Load Wear Index	65	65	65	ASTM D2596
Timken OK load, lbs.	>65	>65	>65	ASTM D2509

These properties are typical of the current production. Variations that do not affect product performance are to be expected depending on blending and manufacturing locations. The information above is subject to change without notice.

Health and Safety:

This product is unlikely to have any adverse health implications or safety hazards when used for its intended application. Avoid contact with skin, use resistant gloves when handling used oil. If skin comes in contact wash immediately with soap and water. For complete information on safe handling and product characteristics please refer to the Material Safety Data Sheet (MSDS) found on our website.

www.royalmfg.com or call (918)-584-2671.



15 oz. Tubes



35 Lb. Pails



120 Lb. Kegs



400 Lb. Drums



2,000 Lb.
Disposable Totes



50,000 Lb. Bulk

Packaging options: