

## **Royal Ultra 865M Grease** **High Performance Moly Grease**



### **PRODUCT DESCRIPTION:**

**Royal Ultra 865M Grease** has been carefully engineered using the latest technology of overbased calcium sulfonate complex thickener system fortified with Moly and special additives giving this grease very balanced 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 protective film, preventing welding and reduce friction even under the most severe operating conditions such as very heavy and shock loads.

Solid lubricants act like a deck of playing cards. The cards slide easily with horizontal movement but take considerable pressure when downward force is applied.

**Royal Ultra 865M Grease** is a heavy-duty extreme pressure grease 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 specification.

### **KEY FEATURES:**

- Calcium sulfonate base and Moly
- Water Resistant
- Balanced Extreme Pressure properties
- Wide temperature operations
- Excellent rust protection properties

### **CUSTOMER BENEFITS:**

- Extended service life of bearings  
Excellent performance under heavy and shock loads
- Extraordinary performance at high and low temperatures
- Protects equipments 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 and Caterpillar equipment, as well as other heavy-duty construction and mining equipment.

**Royal Ultra 865M Grease** is an excellent choice for sealed bearings, rolling element bearings and other range of industrial applications where high temperatures and heavy load conditions prevail.

# PRODUCT DATA SHEET

## Royal Ultra 865M Grease High Performance Moly Grease



### PACKAGING:

Drums, Pails and Cartridges

## Typical Properties

Royal Ultra 865M Grease			
Product Number	951TB	951TA	Test Method
Thickener Type	Calcium Sulfonate Complex		-
Texture	Smooth		Visual
Color	Gray, Black		Visual
NLGI Grade	1	2	ASTM D217
Worked Penetration@25°C	310-340	285	ASTM D217
Drop Point, °F	+450	+550 min	ASTM D2265
Viscosity@40°C, cSt	178		
Viscosity@100°C, cSt	12.5		ASTM D445
Viscosity@100°F, SUS	617		
Viscosity@210°F, SUS	69.8		
Wheel Bearing Leakage, gm		5	ASTM D1263
Weld Load, kg	620		ASTM D2596
Load Wear Index	65		ASTM D2596
Timken OK load, lbs	>65		ASTM D2509

*Typical Properties are typical of those obtained with normal production tolerance and do not constitute essentially 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](http://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.*