Royal Tundra Moly Grease

High Performance Synthetic Calcium Sulfonate Grease Moly for Extreme and Cold Climate Conditions

Royal Tundra Moly Grease is a long life, fully synthetic, calcium sulfonate complex grease embodied with solid lubricants specially designed to extend service life in arctic climate conditions. This grease is formulated with fully synthetic Poly Alpha Olefin (PAO) base oil and is engineered with compatible synergistic additives, to provide the highest performance under heavy/shock load applications. Solid lubricants, specifically Molybdenum disulfide (MoS2), has been put in the grease matrix so that this robust grease can effectively lubricate under extreme environments, like boundary lubrication conditions. This grease will not stop flowing under sub-zero temperatures, unlike other calcium sulfonate complex greases, this grease exhibits very good pumping characteristics at low temperatures.
Royal Tundra Moly Grease is recommended for the most severe applications in the industry with excellent performance, oxidation resistance and a wide operating temperature range.
Royal Tundra Moly Grease is recommended for centralized lubrication system with very good pumpability.

Product Features:

- Wide range of operating temperatures – 54 °C to 250 °C
- High Timken & Weld Load and Moly takes care of EP needs
- Outstanding Mechanical Stability
- High Drop Point – Suitable for high temperature applications
- Excellent rust protection
- Very good water resistance and salt water protection

Customer Benefits:

- Excellent performance under heavy and shock loads
- Forms protective film on metal surface and protects equipment from rust and water even at low temperatures
- Does not drip out under running conditions even at low temperatures
- Extraordinary performance at high temperatures even beyond the limits of grease
- Extended service life

Applications:

Royal Tundra Moly Grease is highly recommended for mining, marine, oil fields and logging applications, especially in arctic climate conditions. Besides excellent performance at low temperatures, this grease is suitable for other industrial applications where extended service life is needed like steel mills, mining and off-highway

ROYAL
HIGH PERFORMANCE OILS & GREASES

Product Data Sheet

Typical Properties

Royal Tundra Moly Grease				
Product Code	**952 MC**	**952 MB**	**952 MA**	Test Method
NLGI grade	0	1	2	
Thickener type	Ca-Sulfonate	Ca-Sulfonate	Ca-Sulfonate	
Color	Black	Black	Black	Visual
Base Oil viscosity				
SUS @ 100 °F	1164	1164	1164	ASTM D-445
SUS @ 210 °F	115.3	115.3	115.3	
cSt @ 40 °C	223	223	223	
cSt @ 100 °C	23.2	23.2	23.2	
Viscosity Index	> 120	> 120	> 120	
Drop Point, °F	-	+ 500	+ 550	ASTM D2265
Worked Penetration at 25°C	355-385	310-340	265-295	ASTM D 217
Change after 100,000 strokes	< + 25	< + 25	< + 25	
Oil Separation , 25 °C, 24 Hrs. , %	-	0.80	0.56	ASTM D 1742
Four Ball Weld load , kg	450	500	620	ASTM D 2783
Timken OK Load , lbs.	>60	>65	>65	ASTM D 2509
Wear Scar Dia, mm	0.45	0.45	0.45	ASTM D 2266
Water Washout, wt. % loss@175 °F	-	3.7	2.5	ASTM D 1264
Rust Test , rating	Pass	Pass	Pass	ASTM D 1743
USS Mobility Test.				USS DM 43
@ - 20 ^{0}F , gm/min	-	36.7	21.4	
@ - 40 ^{0}F, gm/min	-	16.8	7.9	

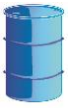
These properties are typical of the current production. Variations that do not affect product performance are to be expected depending on blending and manufacturing locations. The information above is subject to change without notice.

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 Safety Data Sheet (SDS) found on our website. www.royalmfg.com or call (918)-584-2671.

Packaging options:


35 Lb. Pails


120 Lb. Kegs


400 Lb. Drums


2,000 Lb. Disposable Totes


50,000 Lb. Bulk