



Royal Tundra Blue Grease

High Performance Synthetic Calcium Sulfonate Grease for Cold Climate Conditions

Royal Tundra Blue Grease is long life, fully synthetic, calcium sulfonate complex grease specially designed for extended service life under arctic climate conditions. This grease is formulated with fully synthetic Poly Alpha Olefin (PAO) base oils and is engineered with compatible additives. This helps to ensure the highest performance even in heavy/shock load applications. Calcium sulfonate complex thickener makes this grease water resistant under water ingress or freezing conditions; it will continue flowing under sub-zero temperatures. Unlike other calcium sulfonate complex greases available, this grease exhibits very good pumpability characteristics at low temperatures.

Royal Tundra Blue Grease is recommended for the most severe applications in the industry with excellent performance, oxidation resistance and a wide operating temperature range.

Royal Tundra Blue Grease is recommended for centralized lubrication system due to its excellent pumpability.

Product Features:

- Wide range of operating temperatures – 54 °C to 250 °C
- High Timken & Weld Load for outstanding EP performance
- Exceptional Mechanical Stability
- High Drop Point – Suitable for high temperature application
- 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
- Protects equipment from rusting under wet and water ingress conditions
- Extended service life

Applications:

Royal Tundra Blue 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.



Typical Properties

Royal Tundra Blue Grease				
Product Code	952 BC	952BB	952BA	Test Method
NLGI grade	0	1	2	
Thickener type	Ca-Sulfonate	Ca-Sulfonate	Ca-Sulfonate	
Color	Blue	Blue	Blue	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	< + 20	< + 20	< + 20	
Oil Separation , 25 °C, 24 Hrs. , %	-	0.60	0.45	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	0.40	0.40	0.40	ASTM D 2266
Water Washout, wt. % loss@175 °F	-	3.5	2.3	ASTM D 1264
Rust Test , rating	Pass	Pass	Pass	ASTM D 1743
USS Mobility Test.				USS DM 43
@ - 20 °F , gm/min	-	39.2	23.4	
@ - 40 °F, gm/min	-	18.6	8.6	

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.

Packaging options:



35 Lb. Pails



120 Lb. Kegs



400 Lb. Drums



2,000 Lb.
Disposable Totes



50,000 Lb. Bulk