



Royal Atlantis Grease

Super Heavy Duty & Severe Purpose Grease

Royal Atlantis Grease is the newest generation of environmentally friendly and superior performance, heavy-duty grease. This grease exhibits excellent film strength and outstanding water resistance even under corrosive saltwater environments. This is due to its ability to absorb water without losing thickener consistency.

Royal Atlantis Grease is the result of years of research and development to create the latest technology of an exclusive, high performance over-based calcium sulfonate complex thickener. It is complete with high viscosity base oils, and a select combination of polymer additives. This formulation creates excellent mechanical stability and long lasting adhesion to the metal surfaces, preventing wipe off. This gives the product exceptional lubricity, high load carrying capability, optimal EP properties, thermal stability, rust protection, and excellent water washout resistance.

Royal Atlantis Grease does not contain any of the following harmful additives: antimony, barium, chlorine, lead, copper, graphite, phosphorus, sulfur or zinc. 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, etc. Although it reduces the risk for contamination, it is not biodegradable.

Product Features:

- Calcium Sulfonate Complex base
- High Viscosity Base Oils
- Water Resistant and 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
- Royal Atlantis grease does not float on water

Customer Benefits:

- 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
- Protects equipment from rusting under wet and water ingress conditions.
- Environmentally responsible and helps protects water stream.

Applications:

- **Royal Atlantis Grease** is highly recommended for marine, slipways, oil fields, mining, shipyards, drilling, ports, and water treatment applications but will perform virtually in all industrial applications, especially where high temperature and water ingress environment prevails concurrently. It is an ideal choice for wire rope applications.



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Product Code	959BB	959BA	Test Method
NLGI grade	1	2	
Thickener type	Ca-Sulfonate	Ca-Sulfonate	
Color	Blue	Blue	Visual
Base Oil viscosity			
SUS @ 100 F	2468	2468	ASTM D-445
SUS @ 210 F	148.2	148.2	
cSt @ 40 C	460	460	
cSt @ 100 C	30.2	30.2	
VI	> 94	> 94	
Drop Point, °F	+ 578	+ 578	ASTM D2265
Worked Penetration at 25°C	320-330	275-285	ASTM D 217
Change after 100,000 strokes	< + 20	< + 20	
Oil Separation , 25 C, 24 Hrs. , %	0.40	0.40	ASTM D 1742
Four Ball Weld load , kg	500	620	ASTM D 2783
Timken OK Load , lbs	50	65	ASTM D 2509
Wear Scar Dia. , mm	0.45	0.45	ASTM D 2266
Water Washout , wt. % loss @ 175 F	1.8	1.3	ASTM D 1264
Water Spray off, %	< 20	< 10	ASTM D 4049
Rust Test , rating	Pass	Pass	ASTM D 1743
Oxidation Stability, PSI drop 100 hrs.	2.0	2.0	ASTM D 942

Typical Properties

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 contained herein 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:



15oz. Tubes



45 Lb. Pails



140 Lb. Kegs



480 Lb. Drums



2,000/2,400 Lb.
Disposable Totes



>45,000 Lb. Bulk