

PRODUCT DATA SHEET

Royal 876 EP Grease **HD Construction & Mining Grease**



PRODUCT DESCRIPTION:

Royal 876 EP Grease is a high-viscosity base oil, lithium complex grease designed for the heavy-duty applications found in the construction and mining industry, as well as automotive, trucking and farming applications.

Royal 876 EP Grease is heavy-duty grease offering high load capability, primarily due to containing high load base oil and synergistic combination of high quality additives. This grease also contains a tackiness additive to enhance retention on lubricant parts. In addition, it offers excellent structural and oxidation stability and high resistance to water washout.

KEY FEATURES:

- High base oil viscosity
- Superior oxidation resistance and rust protection
- Outstanding extreme pressure protection
- Excellent water resistance

CUSTOMER BENEFITS:

- Suitable for large bearing running under severe operating conditions.
- Suitable for medium to low speed bearing
- Minimizes chemical deterioration over extended periods of storage and provides prolonged service life to equipments
- Provides effective wear protection for ball joints, drive shafts and other parts subjected to high pressure and shock loading
- It works effectively for extended periods of time in water ingress, and in dusty/harsh environments

Royal 876 EP Grease can be used wherever lithium greases are recommended or preferred, such as in suspension systems, wheel bearings, universal joints, ball joints and anti-friction plain bearings. Also, is well suited for multipurpose lubricant applications in the pulp and paper mill industry, such as paper machine wet ends, felt roll bearings and couplings and press sections.

SPECIFICATIONS AND APPROVALS:

National Lubricating Grease Institute: Rating GC-LB

PACKAGING:

Drums, Pails and Cartridges

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Typical Properties

Royal 876 EP Grease		
Product Number	920RA	Test Method
Color	Red	Visual
Texture	Smooth , Tacky	Visual
NLGI Grade	2	ASTM D 217
Worked Penetration	285	ASTM D-217
Change in Pen after 100,000 strokes	+ 20	
Drop Point , ° F	500 Min.	ASTM D 2265
Viscosity @ 40 C ,cSt	451	ASTM D 445
Viscosity @ 100 C ,cSt	28.4	
Viscosity @ 100 F ,SUS	2429	
Viscosity @ 210 F ,SUS	140	
Type of thickener	Lithium complex	-
4-Ball EP load, kg	500	ASTM D 2596
4-Ball Wear @ 40 kgf, wear scar dia, mm	0.50 mm	ASTM D 2266
Timken OK load , lbs	80	ASTM D 2509
Water washout @ 175 ° F, % wt	2.0	ASTM D 1264
Water Spray off, % wt	10 max.	ASTM D 4049
Wheel Bearing Leakage , gms	3.0	ASTM D 1263
Rust Test	Pass	ASTM D-1743

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, 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.