



SHELL STAMINA[®] GREASE RLS

R&O polyurea greases for industrial applications

Product Description

Shell Stamina[®] Grease RLS 2 is specially formulated R & O polyurea greases containing a synthetic base fluid, and high performance corrosion and oxidation inhibitors. This grease does not contain EP additives and is especially suitable for lubrication of ball and roller bearings such as those found in industrial applications.

Shell Stamina[®] Grease RLS 2 is formulated using a polyurea thickener, special additives, and an ISO 100 synthetic base fluid. This grease exhibit excellent resistance to water, corrosion, and oxidation. Superior resistance to rust and corrosion is provided, even in the presence of salt water. It offers outstanding performance over a wide range of operating temperatures and are able to withstand extended high operating temperatures. This grease will allow bearings to start and run even at low ambient temperatures and are especially recommended where frequent equipment relubrication may be difficult or impossible to achieve in service. The combination of the synthetic base fluid and the polyurea thickener reduces service hardening of the grease at prolonged elevated temperatures.

Applications

- ball and roller bearing lubrication
- lubrication of high speed applications such as electric motors, alternators and fans

Features/Benefits

- promotes bearing life
- excellent high temperature properties and oxidation stability
- excellent water resistance and corrosion protection

Product Maintenance

Maintaining a clean work environment is critical when equipment greasing is performed. Grease fittings should be wiped clean prior to grease injection to prevent contaminants from entering the equipment. Bearing housings should be maintained one-third to one-half full of grease. Over-greasing should be avoided as excessive heat buildup can result. Periodic relubrication via grease gun or centralized system should be supplemented by complete cleaning and packing with fresh grease on an appropriate schedule.

Typical Properties of Shell Stamina[®] Grease RLS

Product Code	Test Method	
NLGI Grade		2
Appearance		Beige, Smooth
Polyurea Thickener, wt%		14.0
Base Oil Viscosity		
@ 40° C, cSt	D 445	100
@ 100° C, cSt	D 445	13.7
Penetration, dmm	D 217	
Worked, 60X		280
Dropping Point, °F	Mettler	500+
Oil Separation, wt %	D 1742	1.8
Evaporation Loss, wt%	D 972	0.4
Rust Protection, 5% SSW	D 5969	Pass
Copper Corrosion	D 4048	1b
Water Washout	D 1264	
wt. % loss at 175°F		1.0
Four-Ball Wear, mm	D 2266	
1 hr/54°C/1800 rpm/20 kgf		0.5
Wheel Bearing Life	D 3527	
B50, hours		460
High Temperature Bearing Test	D 3336	
B50, hrs at 350°F		682
FE-9 Bearing Test	DIN 51-821	
B50, hrs at 150°C		286
Guide to Usable Temperature		
Min, °F		-40
Continuous Service, Max °F		350
Short Exposure, Max, °F		400

Handling & Safety Information

For information on the safe handling and use of these products, refer to their Material Safety Data Sheets at <http://www.shell-lubricants.com/msds/>. If you are a Shell Distributor, please call **1+800-468-6457** for all of your service needs. All other customers, please call **1+800-840-5737** for all of your service needs. Information is also available on the World Wide Web: <http://www.shell-lubricants.com/>.