

Shell ROTELLA® Grease HD

Premium lithium complex grease for farm equipment, commercial truck and buses and automobiles

Shell ROTELLA® Grease HD 2 is a premium heavy duty grease that is formulated with performance additives that provide excellent extreme pressure/load carrying capability, oxidation stability, and rust protection. It adheres to metal surfaces and resists water wash-off. It has a distinctive red color that makes it easy to identify in field applications.

Performance Features and Benefits

- Resists water washout
- Protects against rust and corrosion in wet environments
- Exhibits low leakage and oil separation
- Excellent wear protection
- Outstanding high temperature wheel bearing performance
- Excellent extreme pressure protection

Main Applications

- Severe service needs of farm equipment, commercial trucks and buses and automobiles.
- General lubrication of wheel bearings, axles, ball joints, universal joints, power take-offs, king pins, bushings, and disc brakes
- Other high temperature applications

Advice on applications not covered in this handbook may be obtained from your Shell representative.

Specifications, Approvals, and Recommendations

- ASTM D4950 Classification GC-LB

Handling and Safety Information

For information on the safe handling, storage, or use of this product, refer to its Material Safety Data Sheet at <http://www.epc.shell.com/>. If you are a Shell Distributor, please call 1+800-332-6457 for all of your service needs. All other customers please call 1+800-237-8645 for all of your service needs.

Protect the Environment

Do not discharge into drains, soil, or water.

Typical Physical Characteristics

Shell ROTELLA® Grease HD	Test Method	
NLGI Grade		2
Color	Visual	Red
Appearance	Visual	Smooth and Tacky
Thickener Type		Lithium Complex
Penetration, Worked, 60X 100,000 strokes	D 217 D 217	275 300
Dropping Point, °F	D 2265	500+
Base Oil Viscosity: @ 40 °C, cSt @ 100 °C, cSt	D 445 D 445	180 16.4
Rust Protection	D 1743	Pass
Water Washout, % loss @ 175°F	D 1264	<5
Wheel Bearing Life, hrs	D 3527	120
Timken OK Load, lbs	D 2509	45
Four-Ball EP, Weld Load, kgf	D 2596	250
Four-Ball Wear, mm, 1 hr, 75°C, 1200 rpm, 40kgf	D 2266	0.45

These characteristics are typical of current production. While future production will conform to Shell specifications, variation in these characteristics may occur.