

## Shell RETINAX® Grease WR

**Premium EP industrial grease for applications subject to heavy loads and extremely wet conditions**

Shell RETINAX® Grease WR is a premium mixed soap thickened grease made with a heavy base oil, tackifiers and selected additives. The combination of lithium and calcium soaps gives this grease its excellent mechanical stability, while the heavy base oil provides outstanding resistance to water washout. The careful selection of additives gives Shell RETINAX® Grease WR excellent EP/load carrying ability, oxidative stability, rust protection and metal surface adherence. Shell RETINAX® Grease WR is available in NLGI Grades 1 and 2.

---

### Performance Features and Benefits

- Excellent mechanical stability
- Outstanding resistance to water wash-out
- Excellent EP/load carrying ability
- Excellent oxidative stability
- Excellent rust and corrosion protection
- Excellent adherence (tackiness) to metal surfaces
- Greater re-lubrication interval flexibility

### Main Applications

- Automatic and hand lubrication systems over a wide range of temperatures in heavy industries such as steel and other metals, paper, mineral processing
- Any application where heavily loaded bearings and severe water washout conditions exist
- Slideways

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

### 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 RETINAX® Grease WR			
NLGI Grade	Test Method	1	2
Appearance	Visual	Dark Green	Dark Green
Thickener Type		Li/Ca	Li/Ca
<b>Penetration @ 25°C</b>			
60 strokes, dmm	D 217	321	278
100,000 strokes, dmm	D 217	320	284
100,000 strokes w/10% water, dmm	D 217	330	304
<b>Oil Viscosity</b>			
@ 40 °C, cSt	D 445	497	486
@ 100 °C, cSt	D 445	31.2	30.3
<b>Dropping Point, °F</b>	D 2265	350	350
<b>Rust Test, 48 hrs @ 125°F</b>	D 1743	Pass	Pass
<b>Four Ball Wear, scar diameter, mm</b>	D 2266	0.5	0.45
<b>Four Ball Weld Load, kg</b>	D 2783	250	250
<b>Timken OK Load, lbs</b>	D 2509	55	60
<b>Bomb Oxidation</b>			
pressure drop @ 100 hrs, psi	D 942	5.4	5.4
<b>Water Washout, wt% loss @175°F</b>	D 1264	5.0	3.5
<b>Low Temperature Mobility</b>			
0 °F, grams per minute	D 1022	1.6	0.9

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