



# Lubricants Report



## Product Data Sheet from Shell Lubricants

PDS# 1.30.14

### PRODUCT LINE

**SRS 2000** has been providing outstanding heavy duty water resistant protection for over 10 years. This semi synthetic grease has been the benchmark for performance in this severe service area because of the unique combination of thickener, polymers and additives.

New and Improved **SRS 2000 MOLY**, contains 5% Moly for superior protection against wear in critical fifth wheels, pins and bushings on heavy duty equipment, as required by some Original Equipment Manufacturers (OEM's). The expanded temperature range and improved resistance to "pound out" in pins and bushings makes SRS 2000 MOLY the perfect grease for Heavy Duty industrial, construction and mining applications..



**SRS\* 2000  
OUTSTANDING WATERPROOF  
PROTECTION**

**Introducing SRS 2000 EXTREME  
with expanded capability**

**SRS 2000** and **SRS 2000 MOLY** are also available in winter grades, for low temperature applications

**SRS 2000 EXTREME** is Shell's exciting new multipurpose water resistant grease technology. Truly exceptional corrosion resistance AND high temperature performance makes **SRS 2000 EXTREME** ideally suited for everything from the wet ends of paper machines to automotive wheel bearings. Proven in extensive field tests and meets the requirements of the NLGI GC-LB automotive certification.

### APPLICATIONS

**SRS 2000** and **SRS 2000 MOLY** will provide excellent service for logging trucks and other heavy duty fleet vehicles, construction equipment, agriculture and forestry equipment, car washes and marine applications. It resists water and provides long lasting protection for pins, bushings, 5th wheels, chassis points, universal joints, and couplings. They are approved by the CFIA (Canadian Food Inspection Agency) for industrial food plant use. Avoid food contamination during application and storage.

**SRS 2000 EXTREME** is the perfect grease for virtually all industrial, automotive and marine applications, especially where heat and water are combined. For a true step up in performance and an expanded temperature range, **SRS 2000 EXTREME** is the grease you need!

### PERFORMANCE BENEFITS

**SRS 2000** and **SRS 2000 MOLY**

- **Exceptional Resistance to Water Washout** - allowing the grease to work under the very wet conditions.
- **Outstanding Mechanical Stability** - to prevent grease breakdown, even in the presence of water.
- **Corrosion Protection** - to ensure your parts last longer.
- **Excellent Adhesion (Tackiness)** - stays in place for longer re-lubrication intervals.

**SRS 2000 EXTREME** (All of the above, plus improved)

- **High temperature capabilities**
- **Salt water corrosion**
- **Multipurpose use** - **SRS 2000 EXTREME** may be the only grease you need!

## TYPICAL PROPERTIES

	Extreme	Summer	Winter	Moly (5%)	Winter Moly (5%)	
<b>PRODUCT CODE</b>	<b>510-336</b>	<b>510-332</b>	<b>510-334</b>	<b>510-337</b>	<b>510-335</b>	<b>ASTM METHOD</b>
NLGI Grade	2	1.5	1	2	1	
Colour	Red	Red	Red	Grey	Grey	
Appearance	Tacky	Tacky	Tacky	Tacky	Tacky	
Thickener	Ca Sulfonate	Li/Ca	Li/Ca	CaSulfonate	Li/Ca	
Worked Penetration 60 strokes at 25 °C 100,000 strokes at 25 °C 100,000 strokes at 25°C with 10% water added	280 290 305	305 318 340	325 335 360	285 292 308	325 335 360	D217
Estimated Operating Range Temperature, °C(1)	-20 to 160	-15 to 135	-40 to 80	-15 to 160	-40 to 80	
Minimum Dispensing Temp, °C (1)	-15	0	-35	-10	-35	
Dropping Point, °C	316	183	178	300	178	D 2265
Base Oil Viscosity cSt at 40 °C - Blended cSt at 40 °C - Extracted cSt at 100 °C - Extracted	160 - -	171 600 37.2	29 35 5.4	182	29 35 5.4	D 445 D 445 D 445
EP Tests 4-Ball Scar, mm 4-Ball, Load Wear Index Timken OK Load, kg	0.4 62 25	0.5 50 18.2	0.5 45 18.2	0.4 62 25	0.4 63 22.7	D 2266 D 2596 D2509
Water Spray Off, % Loss	50	50	NA	50	NA	D 4049
Water Washout Test @ 78 °C, wt. % loss	1.2	5	10	3.5	10	D 1264
Bomb Oxidation at 99 °C Pressure Drop at 100h, kPa	9	20	10	20	10	D 942
Corrosion Test 48 hour @ 52 °C	Pass	Pass	Pass	Pass	Pass	D 1743
Oil Separation wt. %	0.2	0.3	4.7	0.2	2.8	D 1742
Mobility @ -17.8 °C, g/min	2.3	0.8	71.0	1.4	71.0	USS DM-43

(1) may vary with design of equipment

[Visit](#) your nearest Shell Associate or 90 Reseller for more details.

Need more product information? Please the [Shell Helps Centre Technical Desk](#) at 1-800-661-1600 or e-mail us at [questions@shell.ca](mailto:questions@shell.ca)

MSDS requests? Please call 1(403)691-2615 or fax your request to 1(403)691-3321.

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