



Sinclair Calcium Sulfonate EP2 Synthetic Grease



TECHNICAL PRODUCT INFORMATION

Sinclair Calcium Sulfonate EP2 Synthetic Grease is made with synthetic group VI base oils, premium additives and a synthetic Calcium Sulfonate thickener complex. It is specifically formulated for severe service, extreme environments, marine applications, and off-road machinery. It exceeds the requirements of all NLGI EP2 grease applications, including the severe demand disc brake wheel bearings and features excellent washout resistance.

FEATURES AND BENEFITS

Sinclair Calcium Sulfonate EP2 Synthetic Grease offers the following properties:

- Incredible corrosion resistance
- Excellent oxidation resistance
- Exceptional water resistance including saltwater
- Outstanding anti-wear and EP protection
- Exceptional shear stability
- Dropping point in excess of 550 °F

APPLICATIONS

Recommended for:

- High temperature applications
- Marine applications
- Applications requiring a high resistance to water wash out and water spray off
- On- and off -road heavy duty equipment
- Applications with wide temperature ranges
- Applications seeking longer life between servicing
- Disc brake wheel bearings of all types

RECOMMENDATIONS/SPECIFICATIONS

Meets requirements of NLGI GC-LB

SPECIAL HANDLING, NOTICES OR WARNINGS

Use the same care and handling as for any petroleum product.



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TYPICAL CHARACTERISTICS

| Properties | Test method ASTM D- | Data |
|--|------------------------|-----------|
| Consistency Visual Smooth | Visual | Smooth |
| NLGI Grade 2 | | 2 |
| NLGI Classification GC-LB | | GC-LB |
| Worked Penetration 217 279 | 217 | 279 |
| Drop Point (°C/°F) 2265 288(550) | 2265 | 288 (550) |
| Oil Separation 1742 0.5 | 1742 | 0.5 |
| Base Oil Viscosity 445 | 445 | |
| cSt @ 40 °C 118 | | 118 |
| cSt @ 100 °C 12.5 | | 12.5 |
| Viscosity Index 2270 95 | 2270 | 95 |
| Automotive Applications | | |
| Water Washout @ 175 °F 1264 0.5 | 1264 | 0.5 |
| Leakage Tendencies, g loss 4290 4 | 4290 | 4 |
| High Temp Life hours 3527 100 | 3527 | 100 |
| Fretting Protection mg 4170 6 | 4170 | 6 |
| Elastomer Change @ 100 °C | 4289 | 7.7 |
| 4 Ball Wear Scar Diam., mm 2266 0.45 | 2266 | 0.45 |
| 4 Ball Load Wear Index kgf 2596 65 | 2596 | 65 |
| 4 Ball EP Weld kgf 2596 500 | 2596 | 500 |
| Rust Test 1743 Pass | 1743 | Pass |
| Low Temperature Torque N-m 4693 9.0 | 4693 | 9 |
| Industrial Applications | | |
| Timken OK Load lbs 2509 65 | 2509 | 65 |
| Copper Corrosion 4048 1b | 4048 | 1b |
| Steel Corrosion, distilled water 4049 Pass | 4049 | Pass |
| Steel Corrosion, 3% sea water 1743 Pass | 1743 | Pass |
| Oxidation, psi drop @ 100 hrs 942 < 5 psi | 942 | <5 psi |