



## Calcium S

Conoco Calcium S is a high-quality, extreme-pressure (EP) calcium stearate grease specially developed for use by automobile manufacturers and parts suppliers to the automobile industry. It is recommended for the lubrication of window regulators, door hinges and similar automotive hardware.

Calcium S is manufactured with high-quality, low-viscosity naphthenic base oils, a calcium stearate soap thickener, extreme-pressure and antiwear additives, and rust and oxidation inhibitors. It has excellent oxidation resistance for long service life, has good load-carrying capacity for protection against wear, and protects metal parts against rust and corrosion. It has good resistance to water washout, and excellent low-temperature pumpability.

### **Applications**

- Window regulators, door hinges and similar hardware on automotive vehicles
- Sliding mechanisms on automobile seats
- Industrial equipment that requires a water-resistant, extreme-pressure calcium grease with excellent low-temperature pumpability

Calcium S meets the performance requirements of:

- Ford Specification WSB-M1C163-D

Calcium S is approved by Arvin Meritor for use in the manufacture of automotive window regulators.

### **Features/Benefits**

- Excellent oxidation resistance
- Good load-carrying capacity
- Good wear protection
- Protects against rust and corrosion
- Good resistance to water washout
- Excellent low-temperature pumpability
- Excellent storage stability

**Extreme-Pressure  
Calcium Grease  
For Automotive  
Hardware**

**U.S. Technical  
Services Hot Line:  
1-800-255-9556**

**U.S. Customer  
Service:  
1-800-640-1956**

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## Calcium S

### Typical Properties

<b>NLGI Grade</b>	<b>2</b>
Thickener	Calcium Stearate
Color	Amber
Dropping Point, °C (°F)	140 (284)
Density, lbs/gal	7.34
Penetration, Worked (60 strokes), ASTM D217	285
Texture	Smooth
Copper Corrosion, ASTM D4048	1b
Four-Ball EP, ASTM D2596, Weld Load, kgf	315
Four-Ball Wear, ASTM D2266, Scar Diameter, mm	0.55
Oxidation Stability, ASTM D942, 100 hrs, Pressure Drop, psi (kPa)	5 (35)
Rust Prevention, ASTM D1743	Pass
Timken OK Load, ASTM D2509, lb	45
Base Oil Properties:	
Viscosity,	
cSt @ 40°C	15.1
cSt @ 100°C	3.2
SUS @ 100°F	83.1
SUS @ 210°F	37.1
Viscosity Index	57
Usable Temperature Range:	
°C	-23 to 84
°F	-10 to 184

### Health and Safety Information

For recommendations on safe handling and use of this product, please refer to the Material Safety Data Sheet via <http://w3.conocophillips.com/NetMSDS>.

Due to continual product research and development, the information contained herein is subject to change without notification.

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