



## Omniguard® XD5

Omniguard XD5 is a premium quality, high-performance, extreme-pressure (EP) calcium sulfonate grease developed to satisfy the severe lubrication requirements of mining and off-road equipment manufactured by Caterpillar, Terex, Komatsu Dresser, Le Tourneau, P&H and others. It is particularly recommended for use in AC and DC electric-drive haul trucks, cranes, scrapers, shovels and drag lines operating under wet conditions and/or moderate to high temperatures and under heavy loading.

Omniguard XD5 is manufactured with high-quality base oils thickened with calcium sulfonate soap. It is fortified with select additives that provide excellent rust and corrosion protection, oxidation resistance, and antiwear and extreme-pressure properties. It contains 5% molybdenum disulfide (moly) for extra wear protection under heavy or shock loading. Functional polymers provide better adhesion and enhanced resistance to water washout in wet environments.

### ***Applications***

- Chassis parts and wheel bearings of mine haul trucks and other off-highway equipment
- Heavily loaded plain and rolling-element bearings in industrial gearboxes where the manufacturer specifies a high-temperature, extreme-pressure grease with 5% moly

Omniguard XD5 meets the performance requirements of:

- Caterpillar Multipurpose Molybdenum Grease (MPGM)

### ***Features/Benefits***

- Meets Caterpillar requirements for 5% moly grease
- High dropping point (>550°F)
- High load-carrying capacity
- Excellent wear protection
- Excellent oxidation resistance
- Excellent resistance to water washout
- Excellent rust and corrosion protection

**Extreme-Pressure  
Calcium Sulfonate  
Grease With  
5% Moly For Mining  
And Off-Road  
Equipment**

### **Contact Information**

**U.S. Customer  
Service:  
1-800-822-6457**

**U.S. Technical  
Services Hot Line:  
1-800-766-0050**

**International  
Customer Service:  
+1-832-486-3363  
+1-832-486-3870**

**E-mail address:  
*lubricants@  
conocophillips.com***

***www.conocophillipslubricants.com***

**600 N. Dairy Ashford • 2W9000 • Houston, TX 77079**



## Omniguard® XD5

### Typical Properties

| NLGI Grade                                    | 1                 |
|-----------------------------------------------|-------------------|
| Thickener                                     | Calcium Sulfonate |
| Color                                         | Gray-Black        |
| Dropping Point, °C (°F)                       | >288 (>550)       |
| Density, lbs/gal                              | 7.96              |
| Penetration, Worked (60 strokes), ASTM D217   | 310-340           |
| Texture                                       | Smooth            |
| Molybdenum Disulfide, wt %                    | 5                 |
| Four-Ball EP, ASTM D2596, Weld Load, kgf      | 800               |
| Four-Ball Wear, ASTM D2266, Scar Diameter, mm | 0.40              |
| Oxidation Stability, ASTM D942, 100 hours,    |                   |
| Pressure Drop, psi (kPa)                      | 3 (21)            |
| Rust Prevention, ASTM D1743                   | Pass              |
| Timken OK Load, ASTM D2509, lb                | 60                |
| Base Oil Properties:                          |                   |
| Viscosity,                                    |                   |
| cSt @ 40°C                                    | 150               |
| cSt @ 100°C                                   | 11.5              |
| SUS @ 100°C                                   | 803               |
| SUS @ 210°F                                   | 66                |
| Viscosity Index                               | 44                |
| Usable Temperature Range,                     |                   |
| °C                                            | -29 to 204        |
| °F                                            | -20 to 400        |

### 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>.

Typical properties are average values only and do not constitute a specification. Minor variations that do not affect product performance are to be expected during normal manufacture, and at different blending locations. Product formulations are subject to change without notification.

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