



Omniguard® XD5

Omniguard® XD5 is a premium quality, multipurpose, 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 equipment such as AC & DC electric-drive haul trucks, cranes, scrapers, shovels and drag lines operating at moderate to high temperatures, in wet environments, and under heavy loading.

Omniguard® XD5 is formulated with proprietary base oils thickened with calcium sulfonate soap. It is fortified with select additives to provide rust and corrosion protection, excellent oxidation resistance, and extreme-pressure properties. This grease has outstanding load-carrying ability to protect against wear under conditions of heavy or shock loading. Functional polymers provide better adhesion and resistance to water washout in wet environments.

Omniguard XD5 contains 5% Molybdenum Disulfide (Moly) and meets Caterpillar MPGM and Mack MG-C performance requirements.

Applications

- Off-road equipment and mine haul trucks
- Heavily-loaded antifriction and plain bearings in industrial gearboxes such as those found in steel, chemical and aluminum manufacturing plants, where the manufacturer specifies a corrosion-resistant, EP calcium sulfonate grease with 5% Moly

Outstanding Features

- Meets Caterpillar and Terex requirements for 5% Moly grease (MPGM)
- Meets Mack requirements for 5% Moly grease (MG-C)
- High Dropping Point, >550°F (288°C)
- Outstanding load-carrying ability
- Excellent oxidation resistance
- Excellent water washout resistance
- Excellent resistance to separation
- Excellent wear protection
- Excellent rust and corrosion protection

**High Performance,
Extreme-Pressure,
Calcium Sulfonate
Grease With
5% Moly**

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

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

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+1-832-486-3363**

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Omnigard® XD5

Typical Properties

| | ASTM Method | |
|--|-------------|-------------------|
| NLGI Grade | | 1 |
| Thickener | | Calcium Sulfonate |
| Color | | Gray |
| Texture | | Smooth |
| Molybdenum Disulfide, wt % | | 5 |
| Density, lb/gal | | 7.96 |
| Cone Penetration (worked 60 strokes) | D217 | 325 |
| Dropping Point, °F (°C) | D2265 | > 550 (> 288) |
| Timken OK Load, lbs | D2509 | 60 |
| Water Washout, % Loss | D1264 | 2 |
| Four-Ball EP, Weld Load, kgf | D2596 | 800 |
| Four-Ball Wear, 75°C, Scar Diameter, mm | D2266 | 0.40 |
| Rust Preventive Rating | D1743 | Pass |
| Oxidation Stability, 100 hrs, Pressure Drop, psi (kPa) | D942 | 3 (21) |
| Base Oil Properties* | | |
| cSt @ 40°C | D445 | 150 |
| cSt @ 100°C | D445 | 11.5 |
| SUS @ 100°F | | 803 |
| SUS @ 210°F | | 66 |
| Viscosity Index | D2270 | 44 |
| Usable Temperature Range, | | |
| °F | | -20 to 400 |
| °C | | -29 to 204 |

* Base oil viscosity without polymer

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

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