



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

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1-800-822-6457**

**U.S. Technical
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1-800-766-0050**

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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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