



Megaplex® XD3

Megaplex XD3 is a high-performance, multipurpose, extreme-pressure (EP) lithium complex grease developed to satisfy the severe lubrication requirements of construction and off-road equipment manufactured by Caterpillar, Komatsu Dresser, Case New Holland, John Deere and others. It is particularly recommended for use in off-highway trucks and heavy equipment, such as bulldozers, motor graders, pipe layers, scrapers, skidders, wheel loaders and soil compactors, operating under heavy or shock load conditions.

Megaplex XD3 is manufactured with high-quality, heavy paraffinic base oils thickened with lithium complex soap. It contains an effective extreme-pressure additive, 3% molybdenum disulfide (moly), a tackifier, and rust and oxidation inhibitors to provide excellent wear protection, as well as excellent corrosion protection and resistance to water washout in equipment operating under wet conditions and/or high temperatures and subject to heavy or shock loading.

Megaplex XD3 Grade No. 1 is NLGI GC-LB certified for use as a multipurpose automotive wheel bearing and chassis lubricant.

Applications

- Chassis parts and wheel bearings of construction, mining and other heavy mobile equipment
- Universal joints, constant velocity joints, brake self-adjusting screws and clutch release bearings on off-highway trucks and other heavy equipment
- Tractor-trailer fifth wheels
- Heavily loaded plain and rolling-element bearings in industrial equipment where the manufacturer specifies a high-temperature, extreme-pressure grease with 3% moly

Megaplex XD3 meets the performance requirements of:

- Caterpillar Multipurpose Molybdenum Grease (MPGM)

Features/Benefits

- Meets Caterpillar requirements for 3% moly grease (MPGM)
- High dropping point (>500°F)
- High load-carrying capacity
- Excellent wear protection
- Excellent resistance to water washout
- Excellent resistance to separation

**Extreme-Pressure
Lithium Complex
Grease With
3% Moly For
Construction 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:
+1-832-486-3363**

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- Protects against rust and oxidation
- NLGI GC-LB certified (Grade No. 1)

Megaplex® XD3

Typical Properties

NGLI Grade	1	2
Thickener	Lithium Complex	Lithium Complex
Color	Gray	Gray
Dropping Point, °C (°F)	280 (536)	280 (536)
Density, lbs/gal	7.88	7.88
Penetration, Worked (60 strokes), ASTM D217	325	280
Texture	Tacky	Tacky
Molybdenum Disulfide, wt %	3	3
Four-Ball EP, ASTM D2596, Weld Load, kgf	315	315
Four-Ball Wear, ASTM D2266, Scar Diameter, mm	0.60	0.60
Oxidation Stability, ASTM D942, 100 hours,		
Pressure Drop, psi (kPa)	5 (35)	5 (35)
Rust Prevention, ASTM D1743	Pass	Pass
Timken OK Load, ASTM D2509, lb	65	65
Base Oil Properties:		
Viscosity (with polymer),		
cSt @ 40°C	460	460
cSt @ 100°C	30.0	30.0
SUS @ 100°F	2,469	2,469
SUS @ 210°F	147	147
Viscosity Index	92	92
Usable Temperature Range,		
°C	-29 to 204	-23 to 204
°F	-20 to 400	-10 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>.

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

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