



Triton XD5

Triton XD5 is a premium quality, synthetic, extreme-pressure (EP) calcium sulfonate grease developed to satisfy the severe lubrication requirements of off-road equipment operating at moderate to very low temperatures. It is particularly recommended for use in equipment such as off-highway haul trucks, articulated trucks, wheel dozers, backhoes, compactors, excavators, scrapers, front-end loaders and motor graders operating in wet environments and under heavy loading.

Triton XD5 is formulated with very high viscosity index synthetic 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 excellent load-carrying ability to protect against wear under conditions involving heavy or shock loading. Functional polymers provide better adhesion and resistance to water washout in wet environments.

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

Applications

- Off-road and mining equipment
- Steering linkage, kingbolt bearings, pin joints, U-joints and other articulated pivots
- Heavily-loaded antifriction and plain bearings in off-road equipment
- Conveyor and fan bearings in steel, chemical and aluminum manufacturing plants, where the manufacturer specifies a corrosion-resistant, EP calcium sulfonate grease with 5% Moly
- Centralized lube systems that call for an NLGI Grade 00 grease with 5% Moly

Outstanding Features

- Meets Caterpillar requirements for 5% Moly grease (MPGM)
- Meets Mack requirements for 5% Moly grease (MG-C)
- Outstanding load-carrying ability
- High Dropping Point
- Excellent low-temperature properties
- Excellent resistance to water washout
- Excellent wear protection
- Excellent rust and oxidation inhibition
- Distinctive platinum color

**Premium Quality,
Synthetic PAO,
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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Triton XD5
Typical Properties

| NLGI Grade | ASTM Method | | |
|---|---------------------|-------------------|-------------------|
| | 00 | 0 | 1 |
| Thickener | Calcium Sulfonate | Calcium Sulfonate | Calcium Sulfonate |
| Color | Platinum | Platinum | Platinum |
| Texture | Tacky | Tacky | Tacky |
| Molybdenum Disulfide, wt % | 5 | 5 | 5 |
| Density, lb/gal | 7.90 | 7.90 | 7.90 |
| Cone Penetration (worked 60 strokes) | D217 415 | 370 | 325 |
| Dropping Point, °F (°C) | D2265 > 350 (> 177) | > 350 (> 177) | > 550 (> 288) |
| Timken OK Load, lbs | D2509 50 | 60 | 65 |
| Water Washout, % Loss | D1264 2 | 2 | 2 |
| Four-Ball EP, Weld Load, kgf | D2596 400 | 500 | 800 |
| Four-Ball Wear, 75°C, Scar Diameter, mm | D2266 0.43 | 0.40 | 0.38 |
| Copper Corrosion | D4048 1a | 1a | 1a |
| Rust Preventive Rating | D1743 Pass | Pass | Pass |
| Oxidation Stability, 100 hrs, Pressure Drop, psi (kPa) | D942 3 (21) | 3 (21) | 3 (21) |
| Base Oil Properties*, | | | |
| cSt @ 40°C | D445 35.0 | 35.0 | 35.0 |
| cSt @ 100°C | D445 6.0 | 6.0 | 6.0 |
| SUS @ 100°F | 180 | 180 | 180 |
| SUS @ 210°F | 46 | 46 | 46 |
| Viscosity Index | D2270 140 | 140 | 140 |
| Usable Temperature Range, | | | |
| °F | -70 to 250 | -65 to 250 | -60 to 450 |
| °C | -57 to 121 | -54 to 121 | -51 to 232 |

* 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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