



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 mobile equipment such as haul trucks, articulated trucks, backhoes, compactors, excavators, front-end loaders, motor graders and wheel dozers operating in wet conditions and under heavy loads.

Triton XD5 is manufactured with a low-viscosity, synthetic polyalphaolefin (PAO) base oil thickened with calcium sulfonate soap. It is fortified with select additives to provide excellent oxidation resistance, antiwear and extreme-pressure properties, and protection against rust and corrosion. It contains 5% molybdenum disulfide (moly) for extra wear protection under conditions involving heavy or shock loading. The low-viscosity synthetic base oil provides outstanding low-temperature properties.

Triton XD5 has a distinctive platinum color for identification.

Applications

- Off-road construction and mining equipment operating at moderate to very low temperatures
- Steering linkages, kingbolt bearings, pin joints, universal joints and other articulated pivots
- Heavily loaded plain and rolling-element bearings in off-road equipment
- Conveyor and fan bearings in chemical and manufacturing plants that require a corrosion-resistant grease with moly
- Centralized lube systems

Triton XD5 meets the requirements of the following OEM specification:

- Caterpillar Multipurpose Molybdenum Grease (MPGM)

Features/Benefits

- Meets Caterpillar requirements for 5% moly grease
- High load-carrying capacity
- Excellent wear protection
- Outstanding low-temperature properties
- Excellent resistance to water washout
- Protects against rust and corrosion

**Premium Synthetic,
Extreme-Pressure
Calcium Sulfonate
Grease With
5% Moly For
Off-Road Equipment**

Contact Information

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Service:
1-800-822-6457**

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

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+1-832-486-3363**

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Triton® XD5

Typical Properties

NGLI Grade	0	1	2
Thickener	Calcium Sulfonate	Calcium Sulfonate	Calcium Sulfonate
Color	Platinum	Platinum	Platinum
Dropping Point, °C (°F)	>177 (>350)	>288 (>550)	>288 (>550)
Density, lbs/gal	7.45	7.45	7.45
Penetration, ASTM D217 (worked 60 strokes)	370	325	280
Texture	Tacky	Tacky	Tacky
Molybdenum Disulfide, wt %	5	5	5
Copper Corrosion, ASTM D4048	1a	1a	1a
Four-Ball EP, ASTM D2596, Weld Load, kgf	500	800	800
Four-Ball Wear, ASTM D2266, Scar Diameter, mm	0.45	0.45	0.45
Oxidation Stability, ASTM D942, 100 hrs,			
Pressure Drop, psi (kPa)	3 (21)	3 (21)	3 (21)
Rust Prevention, ASTM D1743	Pass	Pass	Pass
Timken OK Load, ASTM D2509, lb	60	65	65
Water Washout Resistance, ASTM D1264,			
Weight Loss @ 175°F, %	2	2	2
Base Oil Properties:			
Viscosity,			
cSt @ 40°C	35.0	35.0	35.0
cSt @ 100°C	6.0	6.0	6.0
SUS @ 100°F	180	180	180
SUS @ 210°F	46	46	46
Viscosity Index	140	140	140
Usable Temperature Range,			
°C	-54 to 121	-51 to 232	-40 to 232
°F	-65 to 250	-60 to 450	-40 to 450

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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