



## **Triton® XD5**

Triton XD5 is a premium quality, synthetic, extreme-pressure (EP) calcium sulfonate grease developed for use in off-road equipment operating at moderate to very low temperatures. It is particularly recommended for use in mobile equipment such as haul trucks, backhoes, excavators, front-end loaders and motor graders operating in wet conditions and under heavy loads.

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

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

### ***Features/Benefits***

- High load-carrying capacity
- Excellent wear protection
- Contains 5% moly for extra protection against galling and wear under shock loads
- 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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### 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)    | 355-385           | 310-340           | 265-295           |
| 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                               | 117               | 117               | 117               |
| Operating Temperature Range,                  |                   |                   |                   |
| °C  | -51 to 149        | -51 to 177        | -51 to 177        |
| °F  | -60 to 300        | -60 to 350        | -60 to 350        |

#### Health and Safety Information

For recommendations on safe handling and use of this product, please refer to the Material Safety Data Sheet via <http://w3apps.phillips66.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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