



## Triton® 100, 220 and 460

Triton 100, 220 and 460 greases are premium quality, synthetic lithium complex greases specifically developed to provide outstanding protection for equipment operating at extreme temperatures. They are specially formulated to provide long service life and protect against wear, rust and corrosion in a wide variety of automotive and industrial applications.

Triton 100, 220 and 460 are manufactured with synthetic polyalphaolefin (PAO) base oils thickened with lithium complex soap. They are compounded with rust and corrosion inhibitors plus oxidation inhibitors for extended service life. The 220 and 460 grades also contain extreme-pressure (EP) additives for extra protection in equipment operating under heavy-load conditions.

### **Applications**

Triton 100 is non-EP grease with good antiwear properties formulated with an ISO VG 100 base oil. It is recommended primarily for the lubrication of high-speed bearings in electric motors and other industrial applications.

Triton 220 is a multipurpose extreme-pressure grease formulated with an ISO VG 220 base oil. It is recommended for the lubrication of medium-speed bearings in industrial equipment and for chassis and wheel bearing lubrication on both on-highway and off-road mobile equipment.

Triton 460 is a heavy-duty extreme-pressure grease formulated with an ISO VG 460 base oil. It is recommended for the lubrication of low- to medium-speed bearings in automotive, agricultural, industrial and marine equipment operating under heavy loads and/or exposed to water or corrosive environments.

### **Features/Benefits**

- Excellent wear protection for longer equipment life
- Outstanding oxidation resistance and thermal stability at high temperatures
- Outstanding pumpability at low temperatures
- Protects against rust and corrosion
- High load-carrying capability (220 and 460 grades)

**Premium Synthetic  
Lithium Complex  
Greases**

### **Contact Information**

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Service:  
1-800-822-6457**

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

**International:  
+1-832-486-3363**

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## Triton® 100, 220 and 460

### Typical Properties

Grade	100	220	460
<b>NLGI Grade</b>	<b>2</b>	<b>2</b>	<b>1.5</b>
Thickener	Lithium	Lithium	Lithium
	Complex	Complex	Complex
Color	Purple	Purple	Purple
Dropping Point, °C (°F)	>260 (>500)	>260 (>500)	>260 (>500)
Density, lbs/gal	7.92	7.96	7.24
Penetration, Worked (60 strokes), ASTM D217	280	280	300
Texture	Smooth	Smooth	Smooth
Four-Ball EP, ASTM D2596, Weld Load, kgf	250	250	400
Four-Ball Wear, ASTM D2266, Scar Diameter, mm	0.60	0.60	0.60
Oxidation Stability, ASTM D942, 100 hours,			
Pressure Drop, psi (kPa)	5 (35)	5 (35)	5 (35)
Rust Prevention, ASTM D1743	Pass	Pass	Pass
Timken OK Load, ASTM D2509, lb	55	55	65
Water Washout Resistance, ASTM D1264,			
Weight Loss @ 175°F, %	<6	<5	<5
<b>Base Oil Properties:</b>			
Viscosity,			
cSt @ 40°C	110	220	460
cSt @ 100°C	14.0	24.6	44.3
SUS @ 100°F	568	1,142	2,403
SUS @ 210°F	76	122	214
Viscosity Index	140	140	150
<b>Usable Temperature Range,</b>			
°C	-40 to 204	-40 to 204	-40 to 204
°F	-40 to 400	-40 to 400	-40 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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