



Triton® ELL

Triton ELL is a premium quality, synthetic, semifluid, extreme-pressure (EP) lithium complex grease specially developed for the lubrication of wheel bearings on non-driven truck trailer axles equipped with oil seals. It is formulated to help optimize service intervals and reduce operating costs by providing effective lubrication and cooling of wheel bearings exposed to the prolonged high operating temperatures of over-the-road applications. It also is recommended for use in industrial gearboxes operating at high temperatures where oil leakage is a problem and conventional semifluid greases do not provide adequate service life.

Triton ELL is manufactured with a high-viscosity synthetic polyalphaolefin (PAO) base oil thickened with lithium complex soap. It is fortified with extreme-pressure additives and rust and oxidation inhibitors to provide excellent wear protection, corrosion resistance and long service life. It has outstanding thermal stability at high temperatures and outstanding pumpability at low temperatures for use over a wide range of operating temperatures.

Applications

- Wheel bearings on non-driven trailer axles equipped with oil seals⁽¹⁾
- Plain and rolling-element bearings operating at extreme temperatures
- Conveyors
- Centralized lube systems
- Industrial gearboxes where oil leakage is a problem

⁽¹⁾ **Note:** Triton ELL is formulated to provide long service life, typically coinciding with scheduled brake service. However, we recommend that you refer to the Preventive Maintenance Inspection (PMI) guidelines published by the Technology and Maintenance Council (TMC) of the American Trucking Association for relubrication practices. This document provides the following general guidelines for relubrication of wheel bearings in over-the-road trucks:

- “A” PM – 60 days or 25,000 miles
- “B” PM – 180 days or 50,000 miles
- “C” PM – 360 days or 100,000 miles

Features/Benefits

- Outstanding oxidation resistance and thermal stability at high temperatures
- Outstanding pumpability at very low temperatures
- Excellent wear protection
- Protects against rust and corrosion

**Premium Synthetic,
Semifluid, Extreme-
Pressure Lithium
Complex Grease For
Non-Driven
Trailer Axle
Wheel Bearings**

Contact Information

**U.S. Customer
Service:
1-800-822-6457**

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

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- Resists water washout
- Excellent seal compatibility
- Formulated for extended service life

Triton® ELL

Typical Properties

NLGI Grade	00
Thickener	Lithium Complex
Color	Aqua Green
Dropping Point, °C (°F)	>260 (>500)
Density, lbs/gal	7.40
Penetration, Worked (60 strokes), ASTM D217	400-430
Texture	Smooth
Four-Ball EP, ASTM D2596, Weld Load, kgf	315
Four-Ball Wear, ASTM D2266, Scar Diameter, mm	0.38
Oxidation Stability, ASTM D942, 100 hours,	
Pressure Drop, psi (kPa)	3 (21)
Rust Prevention, ASTM D1743	Pass
Timken OK Load, ASTM D2509, lb	55
Base Oil Properties:	
Viscosity,	
cSt @ 40°C	420
cSt @ 100°C	44
SUS @ 100°C	2,400
SUS @ 210°F	225
Viscosity Index	155
Usable Temperature Range,	
°C	-40 to 204
°F	-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>.

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