



Triton® ELL

Phillips 66® Triton ELL is a premium quality, synthetic, semi-fluid 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 semi-fluid greases do not provide adequate service life.

Triton ELL is manufactured with a high-viscosity synthetic polyalphaolefin (PAO) base oil and a lithium complex soap thickener. It is fortified with extreme-pressure and antiwear additives plus 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
- Resists water washout
- Excellent seal compatibility
- Formulated for extended service life

**Premium
Synthetic,
Semi-fluid,
Extreme-
Pressure
Lithium
Complex Grease
for Non-Driven
Trailer Axle
Wheel Bearings**





Triton® ELL

Typical Properties	
NLGI Grade	00
Thickener	Lithium Complex
Color	Emerald Green
Dropping Point, °C (°F)	---
Density, lbs/gal	7.44
Penetration, ASTM D217 (worked 60 strokes)	400-430
Texture	Semi-fluid
Four-Ball EP, ASTM D2596, Weld Load, kgf	315
Four-Ball Wear, ASTM D2266, Scar Diameter, mm	<0.60
Oxidation Stability, ASTM D942, 100 hrs, 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°F	2,400
SUS @ 210°F	225
Viscosity Index	160
Usable Temperature Range	
°C	-40 to 135
°F	-40 to 275

Health & Safety Information

For recommendations on safe handling and use of this product, please refer to the Safety Data Sheet via <http://www.phillips66.com/EN/products/Pages/MSDS.aspx>.