



Triton® OG SS

Phillips 66® Triton® OG SS is a high-performance, semi-synthetic gear lubricant specifically developed to meet the demands of heavily loaded, slow moving gears and bearings. It is recommended primarily for the lubrication and cushioning of open and semi-enclosed gear drives found in mills and kilns.

Triton OG SS is formulated with a carefully selected combination of synthetic base stocks, high-viscosity mineral oils and extreme-pressure additives to minimize wear in large roller and thrust bearings and to protect heavily loaded, low-speed gears under boundary lubrication conditions. The use of synthetic base stocks produces a lubricant with high viscosity index that allows for good pumpability at lower temperatures while maintaining excellent film thickness at higher temperatures.

Triton OG SS does not contain heavy metals, bitumen or solid additives.

Applications

- Large roller and thrust bearings in sugar mills
- Open and semi-enclosed gear drives in rotary kilns and mills found in cement, limestone and gypsum production
- Slow-speed, heavily loaded plain and rolling contact bearings

Triton OG SS meets the requirements of the following industry specification:

- ANSI/AGMA Standard 9005-E02

Features/Benefits

- Excellent adhesion to metal surfaces
- Extreme-pressure protection
- High film strength reduces the tendency for fluid “squeeze out” in highly loaded and slowly rotating gears and bearings
- Good resistance to water washout
- Excellent pumpability at low ambient temperatures
- Does not contain heavy metals, bitumen or solid additives
- Solvent-free formulation
- Amber-colored product
- Suitable for use in existing lubricant spray systems, allowing for easy conversion from lubricants containing bitumen

**Semi-Synthetic
Open Gear
Lubricant for
Mills and Kilns**

**KEEPING THE
WORLD
RUNNING
SMOOTHLY.**





Triton® OG SS

Typical Properties	
AGMA Grade	14R
Specific Gravity @ 60°F	0.899
Density, lbs/gal @ 60°F	7.50
Color, Visual	Amber
Texture	Tacky
Flash Point (COC), °C (°F)	210 (410)
Pour Point, °C (°F)	-13 (9)
Viscosity	
cSt @ 40°C	15,834
cSt @ 100°C	551
Viscosity Index	185
Copper Corrosion, ASTM D130	1b
Four-Ball EP, ASTM D2596, Weld Load, kgf	400
Four-Ball Wear, ASTM D4172B, Scar Diameter, mm	0.49
Timken OK Load, ASTM D2782, lb	65

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>.