



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 a high viscosity index that provides good pumpability at low temperatures while maintaining excellent film thickness at high 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.**





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Typical Properties		
AGMA Grade (previous)		14R
Specific Gravity @ 60°F		0.899
Density, lbs/gal @ 60°F		7.50
Color	Visual	Amber
Texture	Visual	Tacky
Flash Point (COC), °C (°F)	ASTM D92	210 (410)
Pour Point, °C (°F)	ASTM D97	-13 (9)
Viscosity	ASTM D445	
cSt @ 40°C		15,834
cSt @ 100°C		551
Viscosity Index	ASTM D2270	185
Copper Corrosion	ASTM D130	1b
Four-Ball EP, Weld Load, kgf	ASTM D2596	400
Four-Ball Wear, ASTM D4172B, Scar Diameter, mm	ASTM D4172B	0.49
Timken OK Load, lb	ASTM D2782	65
FZG Failure Load Stage	ISO 14635-3	>12
FZG Specific Weight Loss, mg/kW-h	ISO 14635-3 Annex B	0.017
FZG Weight Loss, Endurance Phase 50 hr. @ Load Stage 10, mg	ISO 14635-3 Annex B	24

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/SDS>.