



Syncon™ Synthetic EP Gear Oil

Conoco Syncon™ Synthetic EP Gear Oil is a synthetic polyalphaolefin (PAO) lubricant for enclosed gearboxes requiring extreme-pressure gear oils and operating at extreme temperatures.

Applications

Extruder reducers, agitator drives, centrifuge gear boxes and industrial gear drives of spur, helical, herringbone and bevel gear design that require severe-duty, extreme-pressure lubricants. It also is suited for ball, roller and needle antifriction bearings.

Syncon™ Synthetic EP Gear Oil is available in five ISO viscosity grades: 150, 220, 320, 460 and 680. In the appropriate viscosity grade, it meets the performance requirements of these manufacturers:

- U.S. Steel 224
- AGMA 9005-EO2 (formerly 250.04)
- David Brown
- Flender
- Lufkin
- Amarillo
- Falk
- Hansen

Outstanding Features

- Eliminates seasonal oil changes
- Lubricates effectively over a wide range of temperatures
- Extends equipment life
- Reduces power consumption
- Extends oil drain intervals
- Improves gearbox efficiency
- Minimizes lubricant use and disposal
- Reduces deposits
- Protects components from wear
- Flows easily at low temperatures
- Resists oxidation and thermal breakdown to reduce varnish, sludge and carbon deposits

**Synthetic PAO,
Extreme-Pressure
Gear Lubricant For
Enclosed
Gearboxes**

**U.S. Technical
Services Hot line:
1-800-255-9556**

**U.S. Customer
Service:
1-800-640-1956**

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

**Asia-Pacific:
tel: (65) 6536-0010
fax: (65) 6536-0012**

**E-mail address:
*conocolubricants@
conocophilips.com***

www.lubes.conoco.com

600 N. Dairy Ashford • 2W9000 • Houston, TX 77079



Syncon™ Synthetic EP Gear Oil
Typical Properties

ISO Grade	150	220	320	460	680
AGMA Grade	4 EP	5 EP	6 EP	7 EP	8 EP
Density, lb/gal (g/ml)	7.22 (0.87)	7.26 (0.87)	7.30 (0.87)	7.34 (0.88)	7.37 (0.88)
Flash Point, °F (°C)	460 (238)	460 (238)	460 (238)	460 (238)	460 (238)
Pour Point, °F (°C)	-45 (-43)	-35 (-37)	-30 (-34)	-25 (-32)	-15 (-26)
Viscosity,					
cSt @ 40°C	150	220	320	460	680
cSt @ 100°C	18	23	29	37	48
SUS @ 100°F	695	1019	1482	2131	3620
SUS @ 210°F	90	111	138	174	230
Viscosity Index	124	124	124	124	124
Four-Ball EP,					
Weld Point (kg)	250	250	250	250	250
Load Wear Index (LWI)	54	54	54	54	54
Four-Ball Wear (mm)	0.38	0.38	0.38	0.38	0.38
Timken OK Load (lb)	75	75	75	75	75
FZG Gear Test (pass, stage)	12	12	12	12	12
ASTM Rust Test (A&B)	Pass	Pass	Pass	Pass	Pass
Copper Strip Corrosion Test	1a	1a	1a	1a	1a
Demulsibility,					
Freewater, ml	83	83	83	83	83
Emulsion, ml	<1	<1	<1	<1	<1
Foam,					
Sequence I	<20-0	<20-0	<20-0	<20-0	<20-0
Sequence II	0-0	0-0	0-0	0-0	0-0
Sequence III	<20-0	<20-0	<20-0	<20-0	<20-0

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