

VICKERLUBE SYNGEAR RANGE



DESCRIPTION

VICKERLUBE SYNGEAR is a range of high-performance gear oils formulated to give outstanding extreme pressure (EP) and load carrying capability. The range has been designed for use in all types of enclosed gears including heavily loaded / shock-loaded gears and bearings. The use of synthetic base oils provides an inherently high Viscosity Index (VI) and low pour point making these products suitable for use over a wide temperature range.

APPLICATIONS

VICKERLUBE SYNGEAR range is formulated for use in heavily loaded gearboxes operating at wide temperature ranges. They are designed for use in: dragline, shovel, crushers, wheel motors and heavy process gear cases and planetary transmissions.

PERFORMANCE LEVEL

- AGMA 9005 (AS)-F16
- DIN 51517 Part 3 (2018)
- Flender AS 7300
- Fives Cincinnati EP Gear Oil Lubricants
- ISO 12925-1 CKPR (2018)
- U.S. Steel 224
- GM LS-2 EP Gear Oils
- David Brown Santasalo S1.53.106

FEATURES AND BENEFITS

- Outstanding oxidation stability
- Reduced gear wear resistance
- Superb corrosion protection
- High load and shock load resistant
- Wide operating temperature
- Excellent wear protection
- Less sludge and system failures, longer fluid life
- Reduces friction, extends component life
- Extends component life
- Long-term component protection
- Extends life at temperature extremes
- Elongates gears and bearing life

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Certified to the ISO 9001
Quality Standard and the
ISO 14001 Environmental
Management Standard



FM 01851 EMS 40717

VICKERLUBE SYNGEAR RANGE



TYPICAL CHARACTERISTICS AND PROPERTIES

VICKERLUBE SYNGEAR	TEST METHOD	220	320	460	680
Appearance	Visual	Bright	Bright	Bright	Bright
Viscosity at 40°C (cSt)	ASTM D7042	220	320	460	680
Viscosity at 100°C (cSt)	ASTM D7042	31.0	40.3	56.4	77.9
Viscosity Index	ASTM D2270	181	185	191	197
Pour Point (°C)	ASTM D7346	-51	-51	-48	-45
Flash Point (°C)	ASTM D92	242	238	234	243
Copper Strip Corrosion 3h @ 100°C	ASTM D130	1a	1a	1a	1a
Demulsibility (minutes)	ASTM D1401	15	10	15	15
FZG Scuffing A/8.3/90 (FLS)	ASTM D5182	>12	>12	>12	>12
FE8 Bearing Wear (mg)	DIN 51819-3	3.5	3.5	3.5	3.5
Density at 15°C (g/cm ³)	ASTM D1298	0.852	0.852	0.856	0.857
Shelf Life	5 years in original sealed containers whilst stored out of direct sunlight				

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