

SYNOLAN 3000 OILS



LUBRICATION



High temperature synthetic oven chain oils

APPLICATIONS

Premium quality
sealing oils

- **SYNOLAN 3000 OILS** are high temperature synthetic chain lubricants developed for high temperature chain and bearing applications such as tenter frame ovens, curing ovens, kilns, heated press platens and wood laminate machinery.
- **SYNOLAN 3000 OILS** are recommended for high temperature chain and bearing lubrication. These products are suitable for continuous operation in excess of 400°F. Due to the cost of these products, lubricants are typically applied with micro-lubrication devices to optimize lubricant quantities needed for operations.
- Typical oven chain uses for the 100 and 150 grades where high cleanliness and low volatility is needed include ceramic curing, tenter frames, paint curing, fiberglass or rock wool curing and kilns where temperatures can reach 550 F. The 150 grade is a premium grade with lower smoke than other grades. Other high temperature chains, belts or bearings of ferrous and non-ferrous metals can often be lubricated with the more economical 220 grade. Applications for the 220 grade are found in continuous particle board and wood laminate machinery.

ADVANTAGES

Outstanding stability and
low volatility reduces fire
hazards and oil
consumption

- High natural viscosity index
- Outstanding thermal and chemical stability and low oil volatility reduces oil consumption and reduces fire hazards
- Excellent penetration and wear protection prolongs chain and bearing life and lowers maintenance costs

TYPICAL CHARACTERISTICS—SYNOLAN 3000 SERIES

Grade	3032	3100	3150	3220
Viscosity at 40°C, cSt (ASTM D 445)	33.5	95	155	260
SAE Grade	10	30	50	90
Viscosity Index (ASTM D 2272)	145	118	150	150
Auto ignition °F (°C)	775 (413)	-	-	-
Density @ 60 °F, lbs. /gal. (ASTM D 1298)	8.25	7.91	7.59	8.08
Specific Gravity @ 60/60°F (ASTM D 1298)	0.99	0.95	0.911	0.97
Flash Point, COC, °F (°C) (ASTM D 92)	495 (258)	480 (249)	575 (302)	446 (230)
Pour Point, °F (°C) (ASTM D 97)	-70 (-57)	-31 (-34)	-60 (-51)	-31 (-35)
Evaporation loss, wt% 22 Hours @ 210°F (D 972)	0.1	-	-	0.2

TOTAL Lubricants USA Southwest

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Synolan 3000 Series
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