

WearGuard™ D-A SYN 3000 Series is a premium Group III synthetic blended fluid formulated with **ChemGuard™** additive technology system. It is designed to exceed the demanding lubrication requirements of oil flooded rotary vane, screw and reciprocating type compressors. **WearGuard™ D-A SYN 3000 Series** conforms to ISO viscosity classifications 32, 46, 68, 100 and 150. It is formulated from severely hydro-treated, hydro-cracked hydrocarbon base stocks combined with the latest developments in additive technology. This combination makes **WearGuard™ D-A SYN 3000 Series** excellent for oxidation and thermal degradation resistance - providing the potential for extended drain intervals, fewer air filter changes and less oil carryover.

Applications

- Oil Flooded Rotary Vane Compressors
- Oil Flooded Screw Type Compressors
- Air Compressors where the lubricant is injected directly into the airstream
- Reciprocating (Piston-Type) Compressors (ISO 100 grade)
- Vacuum Pumps

Characteristics

- Low temperature fluidity
- Exceptional oxidation stability
- Excellent anti-friction and anti-wear properties
- D-A synthetic base oil combination is compatible with seals and elastomers commonly found in compressed air systems
- Excellent demulsibility protects against rust and corrosion

Typical Properties

WearGuard™ D-A SYN 3000 Series	ASTM Method	WearGuard D-A SYN 3032	WearGuard D-A SYN 3046	WearGuard D-A SYN 3068	WearGuard D-A SYN 3100	WearGuard D-A SYN 3150
ISO Viscosity Grade	D2422	32	46	68	100	150
SAE Viscosity Grade		10	20	30	40	50
Viscosity, cSt @						
@ 100°C	D445	5.8	7.8	10.0	14.1	20.4
@ 40°C	D445	32.8	45.6	67.9	101.2	156.7
Viscosity Index	D2270	127	126	131	142	150
Pour Point °C (°F)	D97	-34 (-29)	-29 (-20)	-24 (-11)	-24 (-11)	-24 (-11)
Flash Point °C (°F)	D92	230 (446)	248 (478)	250 (482)	252 (486)	255 (491)
Rust	D665B	Pass	Pass	Pass	Pass	Pass
Demulsibility, min.	D1401	5	5	10	10	15
Foam, Sequence I, II, III	D892	0/0	0/0	0/0	0/0	0/0
FGZ Wear	D5182	+12	+12	+12	+12	+12
API Gravity, 60/60°F	D287	35.6	34.8	34.5	34.2	34.0
Copper Corrosion	D130	1b	1b	1b	1b	1b
Carbon Residue, mg.		<0.1	<0.1	<0.1	<0.1	<0.1



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