

WearGuard™ D-A SYN 1000 Series has been formulated specifically for higher temperature service in rotary screw air compressors. The exclusive ChemGuard™ additive technology system contained in WearGuard™ D-A SYN 1000 Series is blended into a severely hydrocracked, hydrocarbon base oil that exhibits superior oxidation and thermal stability for longer fluid life at higher operating temperatures.

Applications

- **Rotary Air Compressors**
 - Vane
 - Screw
 - High Temperature
 - High Speed
- **Hydraulic Systems and Pumps**
 - Vane
 - Axial Piston — Some Gear

Characteristics

- Longer fluid life at higher operating temperatures
- Superior resistance to fluid oxidation and thermal deterioration
- High detergency and dispersancy to control sludge and varnish deposits
- Special anti-wear additives to limit wear of mechanical components, reducing maintenance expenses
- Seal and elastomer compatibility

Typical Properties

WearGuard™ D-A SYN 1000 Series	ASTM Method	WearGuard D-A SYN 1046	WearGuard D-A SYN 1068	WearGuard D-A SYN 1100	WearGuard D-A SYN 1150
ISO Grade		46	68	100	150
Viscosity, cSt,					
@ 100° C,cSt	D445	6.7	9.8	12.4	16.8
@ 40°C,cSt	D445	39.0	68	98	145
Viscosity Index	D2270	127	125	123	120
Flash Point °F(°C)	D92	430 (221)	455 (235)	450 (232)	475 (246)
Cold Cranking Viscosity					
@ -25° C, cP		3200	9000	--	--
API Gravity @ 60° F		33.2	30.1	28.7	27.7
Copper Strip Corrosion	D130	No Corrosion	No Corrosion	No Corrosion	No Corrosion
Rust Test		No Rust	No Rust	No Rust	No Rust
Foam Test		No Foam	No Foam	No Foam	No Foam



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The information in this bulletin is, to the best of our knowledge, true and accurate, but all recommendations or suggestions are made without guarantee, since the conditions of use are beyond our control.

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