

CIREX Compressor DE 46

STARFIRE CIREX Compressor DE 46 is formulated with esters and ashless additives to provide long oil life in rotary and reciprocating air compressors and vacuum pumps. Its viscosity is between ISO 32 and ISO 46, allowing it to be used in place of both and as a replacement for PAG compressor oils.

APPLICATIONS

STARFIRE CIREX Compressor DE 46 is designed for rotary and reciprocating air compressors and vacuum pumps. Oil life is dependent on operating conditions and maintenance practices – a regular oil analysis program is recommended. It is not recommended for breathing air or refrigeration compressors.

MATERIAL COMPATIBILITY		
	Recommended	Not Recommended
Seals	Viton*, high nitrile buna N (>36%), Teflon*	Neoprene, SBR rubber, low nitrile buna N
Paints	Epoxy paint, oil-resistant alkyd, two-part urethane	Acrylic paint, lacquer
Plastics	Nylon, Delrin*, Celcon*, PBT	Polystyrene, PVC, ABS
Oils	Petroleum, PAO, PAG, diester, polyol ester	Silicone

BENEFITS

- Excellent resistance to varnish and carbon helps extend valve life and reduce maintenance
- Compatible with Sullube* 32 and Ingersoll-Rand* SSR Ultra-Coolant* PAG compressor oils and PAO, ester and petroleum compressor oils
- Reduces inventory requirements, confusion and the likelihood of misapplication
- Strong ability to separate from water to protect against rust and corrosion
- Excellent anti-foam properties provide improved film strength and heat control
- Long oil life reduces maintenance costs

ISO VG	D2422	32/46
Viscosity @ 100°C, cSt	D445	6.3
Viscosity @ 40°C, cSt	D445	40.2
Viscosity Index	D2270	104
Specific Gravity (g/ml)	D1298	0.9315
Density, (lb/gal)	D1298	7.757
Color	D1500	L2.5
Flash Point, °C (°F) (COC)	D92	254 (489)
Fire Point °C (°F) (COC)	D92	280 (536)
Pour Point °C (°F)	D97	-43 (-45)
Four Ball Wear Test, mm scar 75°C, 1200 rpm, 40 kg, 1 hr	D4172	0.45
Rust Procedure A	D665	Pass
Foam Tendency	D892	
SEQ I	-	0/0
SEQ II	-	0/0
SEQ III	-	0/0
Copper Corrosion, 100°C, 3 hr	D130	1a
Demulsibility	D1401	40-40-0 (25)