



Quality, service, and customer satisfaction is our driving force.



AFRIQ COMPRESSOR SYNTHETIC 46

DESCRIPTION

Afriq Compressor 46 Synthetic is a premium quality lubricant specifically designed for rotary screw compressors running at very high or very low temperatures, or in severe service applications where there can be no risk of varnish or carbon residue on compressor components. Afriq Compressor 46 Synthetic is formulated from a custom blend of polyalkylene glycol (PAG) and ester fluids, and is fortified with anti-wear and anti-corrosion additives.

BENEFITS

Will not form varnish or carbon residue on compressor even at very high operating temperatures:

- Better resistance to oxidative breakdown caused by exposure to air at high discharge temperatures.
- Keeps compressor components completely free of carbon, sludge and varnish.
- Ensures trouble free operation and lower maintenance costs on fluid change-out
- Extends oil change intervals to 8,000 hours service in rotary screw compressors, even at air discharge temperatures as high as 105 °C (221 °F)

Operates at very high and very low temperatures:

- Provides worry free service, even in extreme operating conditions.
- Allows quick start-up, in low ambient temperature applications.
- Ideal for compressors operating in remote environments where the risk of compressor downtime is critical.

Excellent protection against wear:

- Prolongs the service life of working components.
- Can extend the time between compressor overhauls.
- Reduces overall maintenance costs.

Protects against rust and corrosion:

- Helps to extend component life.

Low volatility reduces oil carry-over into the air system:

- Reduces fluid consumption.

APPLICATIONS

Afriq Compressor 46 Synthetic is specifically designed for rotary screw air compressors operating in severe applications, including high and low temperature extremes.

Afriq Compressor 46 Synthetic is suitable for use in compressors that handle air and inert gases such as nitrogen, argon, hydrogen, neon, helium, carbon dioxide, carbon monoxide and blast furnace gas.



Afriq Compressor 46 Synthetic is compatible with standard seal and hose materials used in most compressors.

Note: This product should not be used in systems compressing wet or sour hydrocarbon gases. It must also not be used in the compression of oxygen, or other chemically active gases such as chlorine or hydrogen chloride.

OPERATIONAL CONSIDERATIONS

The full benefits of a change to Afriq Compressor 32 Semi Synthetic will only be realized by minimizing contamination with the previously used oil. Certain makes of compressors do not permit complete draining, so if the drained oil is heavily oxidized (shown by significant increase in the oil's total acid number and viscosity), recharging with Afriq Compressor 32 Semi Synthetic may not result in optimum performance and fluid service life.

While Afriq Compressor 32 Semi Synthetic is fully compatible with most mineral and synthetic compressor fluids, it should not be mixed or contaminated with fluids containing polyalkylene glycols or silicones.

KEY PROPERTIES

Property	Test Method	32
Viscosity Cst @ 40 °C (SUS @ 100 ° F)	ASTM D 445	40.7 (207)
Viscosity Cst @ 100 °C (SUS @ 210 ° F)	ASTM D445	7.6 (52)
Density @ 15 °C	ASTM D4052	0.987
Viscosity Index	ASTM D2270	157
Flash point, ° C (° F)	ASTM D92	257 (495)
Pour Point, ° C (° F)	ASTM D97	-51 (-60)
Total Acid Number (TAN), mL KOH/g	ASTM D664	<0.1
Wear Protection: Four Ball Wear, scar diam (mm)	ASTM D4172	0.6
Corrosion Protection: Copper corrosion, 3h @ 100 ° C Rust A – Distilled Water	ASTM D130 ASTM D665	1b Pass
Residue & Ash: Conradson Carbon Residue, %	ASTM D189	0.2
Foam Sequence II	ASTM D892	25/0