



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



AFRIQ COMPRESSOR SEMI SYNTHETIC 32

DESCRIPTION

Afriq Compressor 32 Semi Synthetic is a premium quality lubricant specifically designed to extend fluid service life in rotary screw air compressor applications.

Afriq Compressor 32 Semi Synthetic is formulated with a blend of 99.9 % pure base oils produced using a patented HT purity process. These crystal clear fluids are free of impurities that can hinder lubricant performance. These thermally stable fluids are fortified with a unique anti-oxidant technology to maximize resistance to fluid breakdown.

With equal or better resistance to thermal and oxidative breakdown versus leading PAO synthetic based fluids, Afriq Compressor 32 Semi Synthetic provides up to 8,000 hours or one year of continuous worry free service and can significantly reduce compressor operating costs.

BENEFITS

Resists oxidative breakdown better than leading synthetic PAO based fluids:

- Better resistance to oxidative breakdown caused by exposure to air at high discharge temperatures.
- Keeps compressor components free of sludge and varnish to ensure trouble free operation and lower maintenance costs on fluid change-out.
- Extends oil change intervals up to 8,000 hours service in rotary screw compressors and 1,000 hours service in rotary vane compressors.
- Reduces oil thickening, which can improve compressor efficiency and lower energy consumption costs

Higher thermal stability reduces carbon deposit formation and extends fluid life:

- Improves compressor operating efficiency.
- Extends maintenance intervals for valves and intercoolers.
- Lowers maintenance costs.

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, especially when running intermittent service in high humidity conditions.

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

- Reduces fluid consumption costs.

Chemically inert and low in odour:

- Eliminates unpleasant odours experienced with di-ester based chemistries.
- Does not damage painted surfaces.



APPLICATIONS

Afriq Compressor 32 Semi Synthetic may be used to lubricate and cool all types of rotary vane, reciprocating, centrifugal and lobe air compressors; it is specifically designed to significantly extend service life in rotary screw compressors. It is available in five ISO viscosity grades: 32, 46, 68, 100 and 150 to cover most compressor applications.

Afriq Compressor 32 Semi 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 32 Semi Synthetic is suitable for use in all makes of compressors, including:

- ABAC
- ALLIS CHALMERS
- ATLAS-COPCO
- CECCATO
- CHAMPION PACIFIC
- CHICAGO PNEUMATIC TOOL
- COMPAIR CANADA
- COPPER-BRESSEMER
- COPPER INDUSTRIES
- COOPER-PENJAX
- DAVEY COMPRESSORS
- DRESSER INDUSTRIES
- ELLIOT COMPANY
- FULLER COMPANY
- GARDNER-DENVER
- GRIMMER SCHMIDT
- INGERSOLL – RAND
- JOY MANUFACTURING
- KAESER COMPRESSORS
- KELLOGG – AMERICAN
- LE ROI
- M & D PNEUMATICS
- MAHLE
- MARK
- QUINCY COMPRESSORS
- SCHRAMM INC.
- SULLAIR COMPRESSORS
- SUNDSTRAND CORP.
- WORTHINGTON COMPRESSORS

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	38 (177)
Viscosity Cst @ 100 °C (SUS @ 210 ° F)	ASTM D445	6.2 (46)
Viscosity Index	ASTM D2270	108
Flash point, ° C (° F)	ASTM D92	230 (446)
Pour Point, ° C (° F)	ASTM D97	-36 (-33)
Total Acid Number (TAN), mL KOH/g	ASTM D664	<0.1
Water Separability: mL at 54 ° C (129 ° F), minutes mL at 82 ° C (180 ° F), minutes	ASTM D1401	41-39-0 (5)
Corrosion Protection: Copper corrosion, 3h @ 100 ° C Rust A – Distilled Water Rust B – Synthetic Sea Water	ASTM D130 ASTM D665 ASTM D665	1b Pass Pass
Residue & Ash: Conradson Carbon Residue, %	ASTM D524	<0.1
Foam Sequence I	ASTM D892	10/0
Foam Sequence II		15/0
Foam Sequence III		10/0