



24KT™

Long life compressor fluid

24KT™: Compressor Protection

By eliminating the problems of varnish sludge and carbon deposits, 24KT™ protects the compressor from the effects of ordinary compressor fluid. 24KT™ is a semi-organic, silicone-based compressor fluid with matchless properties.

Chemically inert

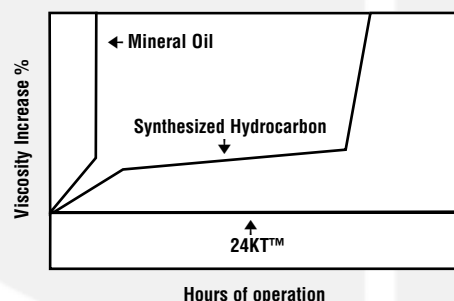
Because of its semi-organic silicone structure, there's no breakdown at normal operating temperatures. No sludge. 24KT™ remains incredibly clear.

Corrosion protection

24KT™ coats and penetrates all internal parts of the compressor system, protecting against rust and corrosion.

Excellent stability

24KT™ fluid is a better extended-life lubricant than mineral oil. The following chart illustrates viscosity stability far beyond mineral oil or synthesized hydrocarbons.



Constant viscosity

The viscosity of 24KT™ will not change significantly within a wide range of ambient or operating temperatures. Your 24KT™ compressor will operate at peak performance at all times, in all temperatures. Maintaining higher viscosities at operating temperatures, 24KT™ insures excellent lubrication and longer bearing life.

Does not emulsify

While oil and water mix and form an emulsion, 24KT™ fluid does not emulsify and does not retain water.

Low volatility

24KT's low vapor pressure combined with Sullair's separator technology results in significantly reduced fluid loss, compared to mineral oils.

Excellent lubricity

As used in a 24KT™ compressor, 24KT™ fluid is a better extended-life lubricant than petroleum oil.

Contamination by other fluids

Large amounts of petroleum-based oils added to 24KT™ may result in separation of the mixture. Five to ten percent of non-detergent petroleum oils are soluble in 24KT™, but the inherent varnish formation tendency of petroleum oils could reduce the extended life normally expected.

Adhesive-backed labels stating, "Fill Only With 24KT™ Fluid" are available from your local Sullair distributor. This label, Part Number 02250069-395, should be placed in clear view near the compressor fill point.

Product safety information Safe handling

Please consult the current Material Safety Data Sheet for detailed information on the toxicology, regulatory information, and safe handling of 24KT™.

Disposal

When disposing of 24KT™, comply with applicable federal, state, and local regulations. Do not dump any lubricant, including 24KT™, into sewers, on the ground, or into any body of water.

Warning

24KT™ is not to be used in machines that produce breathing air.

* Not to be considered as sales specifications.
Notice: The information and recommendations herein are, to the best of the Seller's knowledge, accurate and reliable, and Seller's products mentioned are reasonably fit for the purposes so recommended. However, as use conditions are not within its control, Seller does not guarantee results from use of said products, and no warranty, express or implied, is given.

24KT™ Rotary Screw Compressor Fluid

Typical Properties of 24KT™*

Appearance	Transparent Fluid
Viscosity:	
@ (-40°F) -40°C	225 cSt
@ (0°F) -17°C	95 cSt
@ (77°F) 25°C	28 cSt
@ 40°C	21 cSt
@ 100°C	9 cSt
Viscosity Index: (ASTM D2270)	420
Specific Gravity @ 25°C	0.97 g/ml
Pour Point	(-65°F) -54°C
Flash Point	(400°F) 204.4°C
Fire Point	(495°F) 257°C
Auto-ignition Temperature	(682°F) 354°C
Corrosion Resist.	Excellent
Lubricity: boundary/steel	1.25 mm Good
Spec. Heat @ (77°F) 25°C	-0.36 BTU/lb -°F or cal/g -°C
BTU/lb °F @ (212°F) 100°C	-0.38 BTU/lb -°F or cal/g -°C
Ther. Conduct. @ (77°F) 25°C	-0.082 BTU/lb -°F or cal/g -°C
BTU/Hr-Ft-°F @ (212°F) 100°C	-0.078 BTU/lb -°F or cal/g -°C

24KT is based on silicone fluid (polydimethylsiloxane- PDMS), which poses no known hazard to the environment. PDMS is not classified as a hazardous waste and has demonstrated no adverse effects on animal or plant life.

For more information on Sullair products and services, please contact your local Sullair distributor.

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