

KLONDIKE Full Synthetic Compressor Oil ISO 46



PRODUCT DESCRIPTION

KLONDIKE Full Synthetic Compressor Oil is designed for high performance in rotary screw air compressors.

APPLICATIONS

KLONDIKE Full Synthetic Compressor Oil ensures high performance and protection for industrial rotary screw air compressors requiring ISO 46 synthetic lubricant.

Used to lubricate and cool rotary screw compressors that handle air and other inert gases such as nitrogen, argon, carbon dioxide, carbon monoxide, helium etc

Do not use this fluid in the compression of chemically active such as oxygen, chlorine, or hydrogen chloride.

Always use the specified or recommended fluid viscosity for your specific compressor.



FEATURES AND BENEFITS

KLONDIKE Full Synthetic Compressor Oil uses full synthetic base oils combined with advanced non-detergent chemistry specifically designed for high performance and protection in rotary screw air compressors. Excellent foam suppression properties improve film strength and heat transfer from metal surfaces. Readily separates from condensate moisture for easy draining and removal. Advanced anti-corrosion and anti-oxidation inhibitors minimize the build up of varnish and carbon while protecting metals from rust and corrosion.

KLONDIKE Full Synthetic Compressor Oil is compatible with most mineral and synthetic formulations and can be used as a top-up or complete replacement fluid.

This fluid is NOT compatible with polyalkylene glycol (PAG) or silicone based fluids.

KLONDIKE Full Synthetic Compressor Oil provides value through the following benefits:

- **Excellent foam control** – improves film strength and heat dissipation.
- **High thermal stability** – improved operating efficiency and heat transfer properties.
- **Anti-wear protection** – premium chemistry resists wear on loaded metal parts for extended service life.
- **Low Volatility** – reduced fluid misting and carry over helps control oil consumption in operation.

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TYPICAL TECHNICAL PROPERTIES

PROPERTY	TEST METHOD	ISO 46 COMPRESSOR
ISO viscosity grade	ASTM D2422	46
Viscosity @ 40°C cSt	ASTM D445	46.0
Viscosity @ 100°C cSt	ASTM D445	7.6
Viscosity Index	ASTM D2270	135
Pour Point, °C	ASTM D97	-40 °C
Flash Point, °C (COC)	ASTM D92	250
Fire Point, °C (COC)	ASTM D92	270
Four Ball Wear Test, mm		
75°C, 1200 rpm, 40 kg, 1 hr	ASTM D4172	0.45
Foam Seq. I (Tendency/Stability), mL	ASTM D892	0/0
Foam Seq. II (Tendency/Stability), mL	ASTM D892	0/0
Foam Seq. III (Tendency/Stability), mL	ASTM D892	0/0
Demulsibility	ASTM D1401	40-40-0 (15)
Copper Corrosion	ASTM D130	1B

All stated properties are typical of standard production and may vary. KLONDIKE reserves the right to change product specifications and/or performance properties at its discretion and without notice.



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HEALTH AND SAFETY

This product is not expected to have adverse health implications when used for its intended application. For detailed information on safe handling of this product, refer to its Material Safety Data Sheet (MSDS). To obtain an MSDS on this or any other KLONDIKE product, please visit www.klondikelubricants.com or call 1-877-293-4691. When disposing of used product, be responsible to the environment.

PRODUCT NUMBERS

ISO 46 FULL SYNTHETIC COMPRESSOR OIL	Pail: 18.9 L / 5 GAL	KL-I05180
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BRAVING THE FORCE OF MOVEMENT

KLONDIKE stands for robust, reliable, high quality products tailored to suit the requirements of the on- and off-road heavy duty, automotive and industrial markets. Our solutions span from trend-setting retail lubricants through small-batch custom formulations to large bulk orders ready for immediate delivery.

The extensive KLONDIKE product range includes premium oils, lubricants, greases, chemicals and specialty fluids formulated with virgin base oils and protective inhibitors. Designed to handle the most extreme climates and operating conditions, the KLONDIKE products protect and extend the life of your equipment, optimize performance and improve productivity while meeting and exceeding industry standards and specifications.

KLONDIKE Lubricants Corporation

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