
PRODUCT INFORMATION

10,000 HOUR SYNTHETIC HYDROCARBON (SHC) COMPRESSOR LUBRICANT REPLACEMENT FOR NON-PAG OEM FLUIDS

DESCRIPTION:

PuroLube SHC 10K is an advanced synthetic rotary screw compressor fluid formulated to be a superior replacement to the OEMs' polyalphaolefin (PAO) and synthetic hydrocarbon (SHC), non-PAG fluids. PuroLube SHC 10K is a premium blend of hydrotreated synthetic hydrocarbon and ester base stocks with a *user-optimized* additive system for maximum performance, service life and value. PuroLube SHC 10K is rated for 10,000 hours service life under normal conditions and has excellent varnish resistance compared to other PAO and SHC formulations. Since PAO and SHC fluids have lower water tolerance than PAG fluids and are capable of producing varnish at elevated temperatures, these fluids are best applied in compressors operating in less harsh, cooler and drier environments.

BENEFITS:

PuroLube SHC 10K is blended from highly refined and hydrotreated petroleum and synthetic ester base stocks, coupled with a robust additive package that has been optimized for the user to provide maximum service life, protection and economy. PuroLube SHC 10K provides superior oxidation and thermal stability to resist breakdown and varnish formation better than mineral oils.

- *User-optimized* Additive System for Maximum Life (10,000 hours)
- Excellent Oxidation & Thermal Stability
- Excellent Varnish Resistance Compared to other PAOs & SHCs
- Low Oil Carryover
- Good Viscosity Index
- Excellent Corrosion Protection
- Lower Cost than Comparable OEM PAO & SHC Fluids

ENVIRONMENTAL:

PuroLube SHC 10K is highly demulsifiable which increases the effectiveness of compressor condensate oil-water separators. Disposal of used fluid should be done in accordance with local, state, and federal regulations.

PRODUCT PROPERTIES

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PuroLube SHC 10K:

PROPERTY	TEST METHOD	RESULT
COLOR	-	Clear
ISO VG GRADE	ISO 3448	46
VISCOSITY @ 40 °C (104 °F)	ASTM D445	46.8 cSt
VISCOSITY @ 100 °C (212 °F)	ASTM D445	7.1 cSt
VISCOSITY INDEX	ASTM D2270	114
POUR POINT	ASTM D5950	-24 °C (-11 °F)
DENSITY @ 25 °C (77 °F)	ASTM D1298	0.86 g/cm ³
FLASH POINT	ASTM D92	258 °C (496 °F)
FIRE POINT	ASTM D92	286 °C (547 °F)
TOTAL ACID NUMBER	ASTM D664	0.4 mg KOH/g
CORROSION PROTECTION	ASTM D665B Salt water test	Pass
COPPER CORROSION	ASTM D130	Shiny 1B
ESTIMATED FLUID LIFE	-	10,000 hours

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