



TECHNICAL DATA SHEET

SYNLUBE

SYNLUBE P-10 - 10,000 HOUR POLYGLYCOL ESTER COMPRESSOR LUBRICANT SYNTHETIC CENTIFUGAL COMPRESSOR LUBRICANT

PRODUCT DESCRIPTION

SYNLUBE™ P-10 compressor fluid is a blend of Polyalkylene Glycol and Polyol Esters with an advanced additive package. It is designed to give equivalent or improved performance to OEM fluids. It is specially formulated to provide long fluid life, while eliminating varnish deposits on bearings. This is especially important in compressors with fixed tilt pad bearings such as Ingersoll-Rand's Centac compressors. Synlube™ P10 compressor fluid is designed to be a cost-effective drop in replacement for OEM Centrifugal fluids such as Ingersoll-Rand Techtrol Gold™.

BENEFITS

SYNLUBE™ P-10 is blended from premium quality base stocks coupled with state of the art additive technology resulting in improvements in performance beyond other compressor fluids.

- Increased Equipment Reliability
- Varnish Free – Eliminates Deposits
- 10+ Year Fluid Life Expectancy
- Maximum Bearing Protection
- Compatible with OEM Polyglycol Fluids
- Environmentally Friendly – Biodegradable
- Ultimate Performance AND Value

ENVIRONMENTAL

SYNLUBE™ P-10 is blended from readily biodegradable base stocks. Disposal of used fluid should be done in accordance with local, state, provincial, and federal regulations.

PROPERTIES

*The information contained in here is correct to the best of our knowledge. The recommendations or suggestions are made without guarantee or representation as to results. Our responsibility for claims arising from breach of warranty, negligence, or otherwise is limited to the purchase price of the material.

	Test Method	10K-32	10K-46	10K-68	10K-100
COLOR		Clear	Clear	Clear	Clear
ISO VG GRADE	ISO 3448	32	46	68	100
VISCOSITY @ 40 C	ASTM D445	32.0 cSt	46.8 cSt	68.0 cSt	100.0 cSt
VISCOSITY @ 100 C	ASTM D445	5.67 cSt	7.13 cSt	8.7 cSt	11.25 cSt
VISCOSITY INDEX	ASTM D2270	116	114	99	98
POUR POINT	ASTM D5950	-21C (-6F)	-24C (-11F)		
DENSITY @ 25C	ASTM D1298	0.85 g/cm ³	0.86 g/cm ³	0.87 g/cm ³	0.88 g/cm ³
FLASH POINT	ASTM D92	242C (468F)	258C (496F)	258C (496F)	258C (496F)
FIRE POINT	ASTM D92	264C (507F)	286C (547F)	288C (550F)	284C (543F)
TOTAL ACID NUMBER	ASTM D664	0.4 mg KOH/g	0.4 mg KOH/g	0.4 mg KOH/g	0.4 mg KOH/g
CORROSION PROTECTION	ASTM D665B Salt water test	Pass	Pass	Pass	Pass
COPPER CORROSION	ASTM D130	Shiny 1B	Shiny 1B	Shiny 1B	Shiny 1B
HYDROLYTIC STABILITY	ASTM D2619				
WEIGHT CHANGE OF COPPER		-0.025 mg/cm ²	-0.025 mg/cm ²	-0.025 mg/cm ²	-0.025 mg/cm ²
% VISCOSITY CHANGE @ 40C	ASTM D445	-0.16%	-0.19%	-0.2%	-0.2%
TAN CHANGE	ASTM D974	-0.14 mg KOH/g	-0.12 mg KOH/g	-0.10 mg KOH/g	-0.10 mg KOH/g
TAN OF WATER LAYER	ASTM D974	5.59 mg KOH/g	5.23 mg KOH/g	5.0 mg KOH/g	5.0 mg KOH/g
INSOLUBLES		0.000%	0.001%	0.001%	0.001%
OXIDATION STABILITY	ASTM D2272	1329 min.	1419 min.	1400 min.	1400 min.



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SPECIFICATION	SYNLUBE™ P10	INGERSOLL-RAND TECHTROL GOLD
Viscosity, cSt @ 40C	26.4	26.2
Viscosity, cSt @ 100C	5.2	5.2
Viscosity Index	131	132
Specific Gravity	0.98	0.99
Corrosion Protection ASTM-D665A	Pass	Pass
PH	7.8	8.0
Total Acid Number (TAN)	0.2	0.2