



PRODUCT INFORMATION

DIAMOND BLUE 12K

12,000 HOUR POLYGLYCOL ESTER COMPRESSOR LUBRICANT

DESCRIPTION:

Diamond Blue 12K is a synergistic blend of polyglycol (PAG) with polyol ester (POE) long-life synthetic lubricants. It is designed exclusively for rotary screw air compressor applications and is especially effective in applications where fluid is exposed to elevated temperatures for extended periods of time. The expected life of Diamond Blue 12K is 12,000 hours, or 50% longer than typical 8000 hour OEM compressor fluids. It is especially advantageous in high temperature applications and does not leave a varnish or sludge residue as often happens with polyalphaolefin (PAO) or mineral oil based products.

BENEFITS:

Diamond blue 12K is blended from premium quality base stocks coupled with state of the art additive technology resulting in improvements in performance beyond other compressor fluids.

- Extremely low carry over
- High VI for superior low and high temperature performance
- No deposit or varnish formation in coolers, bearings, or separators.
- Excellent corrosion protection
- Oxidative stability for long life
- Outstanding lubricity for long air end life

ENVIRONMENTAL:

Diamond blue 12K is blended from readily biodegradable basestocks. Disposal of used fluid should be done in accordance with local, state, and federal regulations.

PROPERTIES

	Test Method	Result
COLOR		Blue
ISO VG GRADE	ISO 3448	32/46
VISCOSITY @ -18 C	ASTM D445	1100 cSt
VISCOSITY @ 0 C	ASTM D445	292 cSt
VISCOSITY @ 40 C	ASTM D445	40.6 cSt
VISCOSITY @ 100 C	ASTM D445	8.0 cSt
VISCOSITY INDEX	ASTM D2270	174
POUR POINT	ASTM D5950	-48C (-55F)
DENSITY @ 25C (77F)	ASTM D1298	8.25 lbs/gal.
FLASH POINT	ASTM D92	>260 C (>500F)
CLEANLINESS (TYPICAL)	ASTM 4406:99	20/19/16
TOTAL ACID NUMBER	ASTM D664	0.3 mg KOH/g
CORROSION PROTECTION	ASTM D665B Salt water test	Pass
COPPER CORROSION	ASTM D130	Shiny 1B
ESTIMATED FLUID LIFE		12,000 hours

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