



## PRODUCT INFORMATION

# DIAMOND BLUE 8K

*8,000 HOUR POLYGLYCOL ESTER COMPRESSOR LUBRICANT*

### **DESCRIPTION:**

Diamond Blue 8K 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 8K is 8,000 hours, which is equal to 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 8K 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 8K 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
<b>COLOR</b>		Amber
<b>ISO VG GRADE</b>	ISO 3448	32/46
<b>VISCOSITY @ -18 C</b>	ASTM D445	1100 cSt
<b>VISCOSITY @ 0 C</b>	ASTM D445	292 cSt
<b>VISCOSITY @ 40 C</b>	ASTM D445	40.6 cSt
<b>VISCOSITY @ 100 C</b>	ASTM D445	8.0 cSt
<b>VISCOSITY INDEX</b>	ASTM D2270	174
<b>POUR POINT</b>	ASTM D5950	-48C (-55F)
<b>DENSITY @ 25C (77F)</b>	ASTM D1298	8.25 lbs/gal.
<b>FLASH POINT</b>	ASTM D92	>260 C (>500F)
<b>CLEANLINESS (TYPICAL)</b>	ASTM 4406:99	20/19/16
<b>TOTAL ACID NUMBER</b>	ASTM D664	0.3 mg KOH/g
<b>CORROSION PROTECTION</b>	ASTM D665B Salt water test	Pass
<b>COPPER CORROSION</b>	ASTM D130	Shiny 1B
<b>ESTIMATED FLUID LIFE</b>		8,000 hours

The information contained herein 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.