



ISO-9001 Registered Quality System.  
ISO-21469 Compliant.

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## **LUBRIPLATE SYNCOOL**

### **Synthetic Biodegradable Air Compressor Fluid**

**LUBRIPLATE Syncool** is a 100% synthetic polyglycolester fluid targeted for high performance in rotary screw and rotary vane air compressors where high operating temperatures are present. Typically, compressors with discharge air temperatures ranging from 210°F to 240°F are candidates for **LUBRIPLATE Syncool**. It is formulated with state of the art additives to enhance its already inherent outstanding performance characteristics.

**LUBRIPLATE Syncool** may be recommended against Sullair Sullube, Palatek Pallube and Ingersoll Rand SSR Ultra Coolant.

**LUBRIPLATE Syncool** provides several advantages compared to petroleum-based products.

- It is biodegradable.

#### **Biodegradation:**

Test Method:	OECD 301F; ISO 9408; 92/69/EEC, C.4-D
Method of Analysis:	BOD of the ThOD
Degree of Elimination:	> 70%
Evaluation:	Readily biodegradable (according to OECD criteria). The product is biodegradable.

- Excellent thermal and oxidation stability characteristics increase the service life of the lubricant resulting in extended drain intervals; typically 8,000 hours under normal conditions.
- Non-carbonizing which eliminates harmful deposits.
- High viscosity indexes, which means less change in the viscosity of the fluid over a wide temperature range.
- Excellent lubricity qualities, very low coefficients of friction and superior heat transfer characteristics resulting in lower operating temperatures and energy savings.
- **LUBRIPLATE** encourages the use of our **No-Charge Oil Analysis Program** when using the **LUBRIPLATE Syncool** to determine the proper drain interval of individual compressors.

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## **LUBRIPLATE Syncool Typical Properties:**

<b><u>Physical Characteristics</u></b>	<b><u>ASTM</u></b>	<b><u>LUBRIPLATE Syncool</u></b>
Viscosity @ 40°C cSt	D-445	41.17
@ 100°C cSt	D-445	8.02
Viscosity Index	D-2270	172
Pour Point °F/°C	D-97	-40°/-40°
Flash Point °F/°C	D-92	530°/277°
Fire Point °F/°C	D-92	595°/313°
API Gravity	D-287	12.5
Color	D-1500	L1.0
Density (Pounds/Gallon)		8.15#
ISO Viscosity Grade		32/46

### **Performance Characteristics**

Four-Ball Wear Test	D-4172	0.35
Average Wear Scar Diameter (40 Kg., 1200 rpm., 1 hr. @ 75°C)		
Copper Corrosion	D-130	1a
Rust Prevention	D-665A	Pass
Four Ball EP Weld Test		120 Kg.
Load Wear Index		32
FZG Pass Stage		12

### **Packaging Available**

5-Gallon Pail  
55-Gallon Drum

### **Syncool**

L0964-060  
L0964-062