



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

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**PRODUCT DATA**

**LUBRIPLATE SYNCOOL FG**  
**SYNTHETIC BIODEGRADABLE AIR COMPRESSOR FLUID**

"This product is certified OU Kosher Pareve"  
"This product is Halal certified"

\*NSF International H-1 Registered  
NSF ISO21469 Certification

**DESCRIPTION**

LUBRIPLATE Syncool FG is a NSF/H-1 registered 100% synthetic polyglycolester (PGE) fluid targeted for high performance in rotary screw and rotary vane air compressors where high operating temperatures are present. It is formulated with state of the art additives to enhance its inherent outstanding performance characteristics.

**APPLICATIONS** Typically, compressors with discharge air temperatures ranging from 210°F to 240°F are candidates for LUBRIPLATE Syncool FG.

*LUBRIPLATE Syncool FG may be recommended against major industry PGE synthetic fluids when the customer/user wants to convert to a NSF/H-1 registered food grade fluid.*

*LUBRIPLATE encourages the use of our **No-Charge Oil Analysis Program** when using the LUBRIPLATE Syncool FG to determine the proper drain interval of individual compressors.*

**ADVANTAGES**

- ⇒ It 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.

**STORAGE RECOMMENDATIONS**

1. Products should be stored between 40°F-120°F.
2. Products should be stored in a dry covered environment.
3. Products should not be stored in warm, direct sunlight.
4. improper storage conditions can significantly alter the shelf life of the product. Such conditions would include temperature, moisture, open containers, etc.



Nonfood Compounds  
H1 Registered  
ISO 21469 Certified

**Typical Test Data**

PROPERTY	TEST METHOD	TYPICAL RESULTS*
Viscosity cSt @ 40°C	ASTM D-445	44.50
Viscosity cSt @ 100°C	ASTM D-445	8.98
Viscosity Index	ASTM D-2270	188
Pour Point	ASTM D-97	-45°F/-43°C
Flash Point	ASTM D-92	530°F/277°C
Fire Point	ASTM D-92	595°F/313°C
API Gravity	ASTM D-287	12.5
Color	ASTM D-1500	L1.0
Density		8.15#
ISO Viscosity Grade		46
4-Ball Wear Test	ASTM D-4172	0.35 mm
Copper Corrosion	ASTM D-130	1a
Rust Prevention	ASTM D-665A	Pass
Four Ball EP Weld Test	ASTM D-2266	120 Kg.
Load Wear Index		32
FZG Pass Stage	DIN 51354	12
<b>Biodegradation:</b>		
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 (per OECD criteria) The product is biodegradable.	

**PACKAGING AVAILABLE**

**Part No.**

5 Gallon Pail L0963-060  
55 Gallon Drum L0963-062

**\*NSF International H-1 Registration No.**  
(Meets former USDA 1998 Guidelines)

**149789**

*\*Registered H-1 by NSF International for use in food processing facilities as a lubricant or anti-rust agent on equipment in which there may be incidental contact involving the lubricated part and the edible product.*

*"LUBRIPLATE SYNCOOL FG contains no components derived from TSE/BSE relevant animal species; therefore, it is compliant with the requirements of the TSE Note for Guidance EMA/410/01 Rev. 3 July 2011."*