



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

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## PRODUCT DATA

# LUBRIPLATE SYNCOMP AN-46 SYNTHETIC COMPRESSOR OIL

\*NSF International H-1 Registered

NSF ISO21469 Certification

### DESCRIPTION

LUBRIPLATE SYNCOMP AN-46 is an ISO 46 alkylated naphthalene based, oxidation resistant lubricant designed to provide high temperature and long-term lubrication with minimal deposit formation.

### ADVANTAGES

- ⇒ Wide operating temperature range
- ⇒ Fewer oil changes
- ⇒ Lower oil consumption
- ⇒ Reduces compressor maintenance
- ⇒ Eliminates lacquering and deposits
- ⇒ Greatly reduces fire and explosion hazard
- ⇒ Superior performance and longer oil life vs. PAO synthetic fluids
- ⇒ Fully compatible with PAO fluids
- ⇒ NSF H1 Food Grade Registered No. 160052

### APPLICATIONS

- ⇒ Oil flooded rotary screw compressors
- ⇒ Oil flooded rotary vane compressors

LUBRIPLATE SYNCOMP AN-46 may also be considered for other applications requiring an oxidation resistant lubricant.

Nominal Operating Range is -25°C to 230°C

### SEE BACK FOR LUBRIPLATE'S CONVERSION PROCEDURE AND STORAGE RECOMMENDATIONS

### PACKAGING AVAILABLE

55 Gallon Drum

### Part No.

L1030-062

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

**160052**

\*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.

### Typical Test Data

PROPERTY	TEST METHOD	TYPICAL RESULTS*
Viscosity SUS @ 100°F	ASTM D-2161	220
Viscosity SUS @ 210°F	ASTM D-2161	52
Viscosity cSt @ 40°C	ASTM D-445	50
Viscosity cSt @ 100°C	ASTM D-445	8
Viscosity Index	ASTM D-2270	134
Pour Point	ASTM D-97	-45°F/-43°C
Flash Point	ASTM D-92	480°F/249°C
Fire Point	ASTM D-92	520°F/271°C
API Gravity	ASTM D-287	35.1
Color	ASTM D-1500	1.0 max
4-Ball Wear Test	ASTM D-2266	0.41 mm
SAE Grade		20
ISO Viscosity Grade	ASTM D-2422	46
<b>Demulsibility Characteristics</b>	ASTM D-2711	
<b>Procedure B; Run 1:</b>		
Percent of Water in Oil		0.1%
Free Water Volume		85.5 ml
Emulsion Volume		0.0 ml
<b>Demulsibility Characteristics</b>	ASTM D-2711	
<b>Procedure B; Run 2:</b>		
Percent of Water in Oil		0.1%
Free Water Volume		86.5 ml
Emulsion Volume		0.0 ml
<b>Demulsibility Characteristics</b>	ASTM D-2711	
<b>Procedure B; Average:</b>		
Percent of Water in Oil		0.1%
Free Water Volume		86.0 ml
Emulsion Volume		0.0 ml

## CONVERSION PROCEDURE

Contact Lubriplate to confirm SYNCOMP AN-46 compatibility with the current oil being used. Lubriplate's standard conversion procedure recommends pulling a baseline sample of the compressor fluid currently in the compressor prior to making the conversion to the Lubriplate SYNCOMP AN-46. Lubriplate will test this base line sample no charge. The results of this testing will help assess the current condition of the oil and the compressor itself. Test results can provide valuable information that may indicate cleaning or flushing of the compressor is required. Lubriplate has the necessary compressor cleaning/flushing products and procedures available. Lubriplate also recommends continued testing using Lubriplate's Oil Analysis Program, which the testing and sample bottles are provide no charge on all Lubriplate products. Please contact your Lubriplate District Manager to establish your fluid analysis program.

## STORAGE RECOMMENDATIONS

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

