



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

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## PRODUCT DATA

# LUBRIPLATE "SYNAC 150, 220 & 320" SERIES

## DESCRIPTION

LUBRIPLATE SYNAC 150, 220 & 320 Series products are diester based synthetic fluids formulated to meet a multitude of demanding applications where traditional petroleum based lubricants may not be desirable. These diester based synthetic fluids are outstanding lubricants for applications in which the fluid is subjected to high temperature and high stress conditions over extended drain intervals. The extended drain interval capabilities of LUBRIPLATE SYNAC Series make them a very cost effective solution for your lubricant needs.

## APPLICATIONS

The LUBRIPLATE SYNAC 150, 220 & 320 Series make excellent lubricants for vacuum pumps, blowers, gear boxes, centrifuges and chains.

## ADVANTAGES

- ⇒ Excellent High Temperature Stability and Oxidation Resistance = Extended Lubricant Life
- ⇒ Very Low Deposit Forming Tendencies = Clean Operation
- ⇒ Excellent Demulsibility Characteristics = High Separator Efficiency
- ⇒ High Flash Point and Low Pour Point = Wide Operating Temperature Range
- ⇒ Outstanding Anti-Wear Protection
- ⇒ Foam Suppression Properties
- ⇒ Corrosion Inhibitors
- ⇒ Excellent Rust Protection

LUBRIPLATE SYNAC Lubricants are compatible with other LUBRIPLATE products such as LUBRIPLATE AC Oils, LUBRIPLATE HO Oils, and LUBRIPLATE SFGO Series Fluids.

## RECOMMENDATIONS

LUBRIPLATE SYNAC Lubricants are recommended for use with high nitrile Buna-N, Teflon, Viton, Fluorosilicone and polysulfide elastomers.

LUBRIPLATE SYNAC Lubricants are NOT recommended for use with low nitrile Buna-N, neoprene, natural rubber, styrene-butadiene rubber (SBR, Buna-S) or butyl rubber.



## Typical Test Data

PROPERTY	TEST METHOD	TYPICAL RESULTS*		
		SYNAC 150	SYNAC 220	SYNAC 320
Viscosity:				
SUS @ 100°F	ASTM D-2161	754	1003	1496
SUS @ 210°F	ASTM D-2161	71.3	82.5	99.1
cSt @ 40°C	ASTM D-445	147	200.6	290.1
cSt @ 100°C	ASTM D-445	12.6	15.61	20.04
Viscosity Index	ASTM D-2270	71	74	77
Pour Point	ASTM D-97	-25°F/ -32°C	-20°F/ -29°C	-5°F/ -20°C
Flash Point	ASTM D-92	540°F/ 282°C	545°F/ 285°C	475°F/ 246°C
Fire Point	ASTM D-92	570°F/ 299°C	575°F/ 302°C	505°F/ 263°C
API Gravity	ASTM D-287	15.8	15.3	17.3
Color	ASTM D-1500	<1.0	<1.0	<1.0
Density		8.0	8.03	7.92
ISO Vis. Grade		150	220	320
4-Ball Wear Test	ASTM D-4172	0.45 mm	0.45 mm	0.45 mm
Copper Corrosion	ASTM D-130	1a	1a	1a
Conradson Carbon Residue	ASTM D-189	Nil	Nil	Nil
Emulsion Characteristics	ASTM D-1401	43-37-0 (25)	43-37-0 (25)	43-37-0 (25)
Evaporation Loss	ASTM D-972	3.0 Max.	3.0 Max.	3.0 Max.
Rust Test Procedure B	ASTM D-665	Pass – No Corrosion	Pass – No Corrosion	Pass – No Corrosion

### PACKAGING AVAILABLE

5 Gallon Pail  
55 Gallon Drum

### SYNAC-150

L0936-060  
L0936-062

### SYNAC-220

L0937-060  
L0937-062

### PACKAGING AVAILABLE

5 Gallon Pail  
55 Gallon Drum

### SYNAC-320

L0938-060  
L0938-062