



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

Sales, Service & Distribution Center

Newark, NJ 07105
Phone: 973-589-9150 Fax: 973-589-4432

Manufacturing, Sales, Service & Distribution Center

Toledo, OH 43605
Phone: 419-691-2491 Fax: 419-693-3806

Sales and Tech Service Support

Phone: 1-800-733-4755

LUBRIPLATE "SYNAC 150, 220 & 320" SERIES

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.

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

LUBRIPLATE Division strongly recommends the use of the FREE LUBRIPLATE Oil Analysis Program to establish extended drain intervals. This allows you to establish proper change out intervals and still maintain effective lubrication of your equipment. Typical service life can be from 2,000 to 8,000 hours depending upon operating conditions. Fluid life can be affected by various contaminants, moisture, temperature and other factors. Therefore, oil analysis becomes critical when maximizing useful service life. Contact your authorized LUBRIPLATE Distributor for more information on the FREE LUBRIPLATE Oil Analysis Program.

Advantages offered by LUBRIPLATE SYNAC Series include the following:

- ◆ 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. *Always consult LUBRIPLATE before changing to a SYNAC fluid from an existing lubricant that may not be compatible with diester-based fluids. Conversion procedures from petroleum-based products are available upon request.*

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.

(Over)

LUBRIPLATE "SYNAC 150, 220 & 320" SERIES - TYPICAL PROPERTIES

| <u>Physical Characteristics</u> | <u>ASTM</u> | <u>SYNAC 150</u> | <u>SYNAC 220</u> | <u>SYNAC 320</u> |
|---|--------------------|-------------------------|-------------------------|-------------------------|
| Viscosity @ 100°F SUS | D-445 | 754 | 1003 | 1496 |
| @ 210°F SUS | D-445 | 71.3 | 82.5 | 99.1 |
| @ 40°C cSt | D-445 | 147 | 200.6 | 290.1 |
| @ 100°C cSt | D-445 | 12.6 | 15.61 | 20.04 |
| Viscosity Index | D-2270 | 71 | 74 | 77 |
| Pour Point °F/°C | D-97 | -25/-32 | -20/-29 | -5/-20 |
| Flash Point °F/°C | D-92 | 540/282 | 545/285 | 475/246 |
| Fire Point °F/°C | D-92 | 570/299 | 575/302 | 505/263 |
| API Gravity | D-287 | 15.8 | 15.3 | 17.3 |
| Color | D-1500 | < 1.0 | < 1.0 | < 1.0 |
| Density (Pounds/Gallon) | | 8.0 | 8.03 | 7.92 |
| ISO Viscosity Grade | | 150 | 220 | 320 |
| <u>Performance Characteristics</u> | | | | |
| Four-Ball Wear Test | D-4172 | 0.45 | 0.45 | 0.45 |
| Average Wear Scar Diameter (40 Kg., 1200 rpm., 1 hr. @ 75°C) | | | | |
| Copper Corrosion | D-130 | 1a | 1a | 1a |
| Conradson Carbon Residue | D-189 | Nil | Nil | Nil |
| Emulsion Characteristics @ 82°C (Oil/Water/Emulsion) | D-1401 | 43-37-0 (25) | 43-37-0 (25) | 43-37-0 (25) |
| Evaporation Loss (6.5 hours @ 204°C) | D-972 | 3.0 Max. | 3.0 Max. | 3.0 Max. |
| Rust Test Procedure B | D-665 | Pass, no corrosion | Pass, no corrosion | Pass, no corrosion |

LUBRIPLATE SYNAC Oils are available in the following packaging:

| <u>Packaging Available</u> | <u>SYNAC 150</u> | <u>SYNAC 220</u> | <u>SYNAC 320</u> |
|-----------------------------------|-------------------------|-------------------------|-------------------------|
| 5 Gallon Pail | L0936-060 | L0937-060 | L0938-060 |
| 55 Gallon Drum | L0936-062 | L0937-062 | L0938-062 |

Printed in USA
Revised 4-25-08