



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 SYN-H1-220

*NSF H-1 Registered

“This product is certified OU Kosher Pareve”

“This product is Halal certified”

LUBRIPLATE SYN-H1-220 is a Polyalkylene Glycol (PAG) based synthetic, bearing and gearbox lubricant specifically designed for use where elevated temperatures exist and the need for a Food Grade lubricant is required. **LUBRIPLATE SYN-H1-220** is specifically formulated for food processing equipment where there is the possibility of incidental food contact and is manufactured with ingredients which comply with FDA 21 CFR 178.3570 and NSF H-1 requirements.

LUBRIPLATE SYN-H1-220 is recommended for bearings and gearboxes that are exposed to temperatures up to 400°F for extended periods of time. With its excellent load carrying capacity, 12 Stages Passed on FZG Four Square Gear Test, you can be assured that your bearings and gears have the utmost protection from wear even under the most severe operating conditions. **LUBRIPLATE SYN-H1-220** has excellent lubricity which decreases friction and lowers bulk oil temperatures. It also has outstanding thermal and oxidative stability which allows for its longer service life.

Typical Tests

Viscosity SUS @ 100°F (calculated)	1310
cSt @ 40°C	252
Viscosity SUS @ 210°F (calculated)	188
cSt @ 100°C	40.7
Viscosity Index	212
Color	L-0.5
ISO Grade	220 / 320
API Gravity	9.44
Flash Point °F/°C	>540 / >282
Pour Point °F/°C	-20 / -29
FZG Four Square Gear Test	
Stage Passed	12
Turbine Oil Rust Test	
ASTM D-665 (A & B)	Pass

(Over for additional details)

Elastomer Compatibility

LUBRIPLATE SYN-H1-220 is compatible with most elastomers used in seals and gaskets. Below is a list of the most common elastomers which are suitable for use with **LUBRIPLATE SYN-H1-220**.

Viton	Butyl Rubber	Natural Black Rubber
Kalrez	Buna S	Natural Red Rubber
Silicone	Buna N	Natural Gum Rubber
Polysulfide	Hycar	Neoprene
EPR	Hypalon	

Changeover Procedure for LUBRIPLATE SYN-H1-220:

LUBRIPLATE SYN-H1-220 is compatible with minor amounts of petroleum oils. However, to achieve maximum performance from **LUBRIPLATE SYN-H1-220**, it is suggested that the following procedure be followed when converting from petroleum oil based lubricants in a reservoir system such as bearing housing or gearbox:

1. Drain previous lubricant from equipment while still warm.
2. Replace any filter if applicable.
3. Fill equipment reservoir with **LUBRIPLATE SYN-H1-220**. Run under normal operating conditions for 24 hours. **LUBRIPLATE SYN-H1-220** will generally clean any varnish and sludge which may have been left behind by the petroleum oil.
4. Thoroughly drain the reservoir while still warm.
5. Inspect the oil filters, if applicable, and replace as needed.
6. Fill the reservoir with fresh **LUBRIPLATE SYN-H1-220** and begin normal operation

LUBRIPLATE SYN-H1-220 is available in the following:

<u>Packaging Available</u>	<u>Part No.</u>
5-gallon Pail	L0779-060
55-gallon Drum	L0779-062

*NSF H-1 Registration No. 138317
(Meets USDA 1998 Guidelines)

*Authorized by NSF 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.

*NSF - National Sanitation Foundation