



# Lubri-Topics

## Lubriplate® PGO Series and PGO-FGL Series Polyalkylene Glycol (PAG)-Based Lubricants.

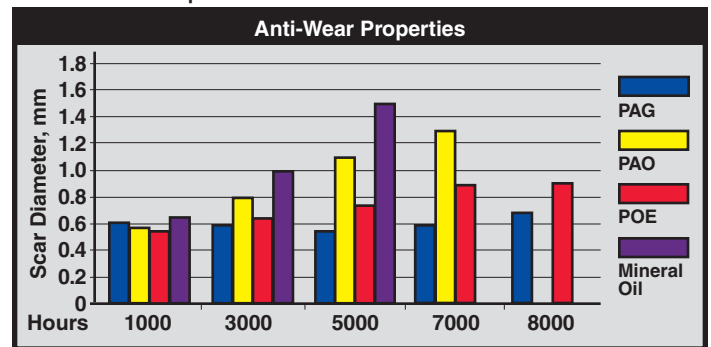
### The Next Generation of High-Performance, Synthetic, Gear Lubricants.

Lubriplate's PGO and PGO-FGL Series Advanced, Polyalkylene Glycol (PAG)-Based lubricants represent a significant upgrade over conventional petroleum-based and PAO-based gear lubricants. They have been formulated to provide unsurpassed, performance in bevel, helical and worm gear reducers operating under the most demanding conditions.

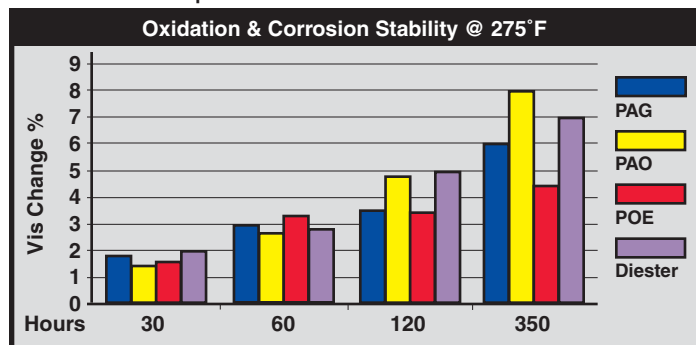
- They Reduce Friction, Wear, Abrasion and Thermal Build-Up (Temperature Reductions up to 15°F in Worm Gear Reducers).
- Exceeds 12 Stages of FZG Test.
- Conserves Resources - ECO-Friendly.
- Extremely Long Service Life and Extended Drain Intervals, means you use less lubricants over time.
- Extremely Low Coefficient of Friction Translates to Reduced Energy Consumption (Up to 7% in Worm Gear Units).
- PAG-Based lubricants produce almost no sludge, varnish, gums or other deposits.
- PGO-FGL Series is NSF H-1 Registered Food Machinery Grade.



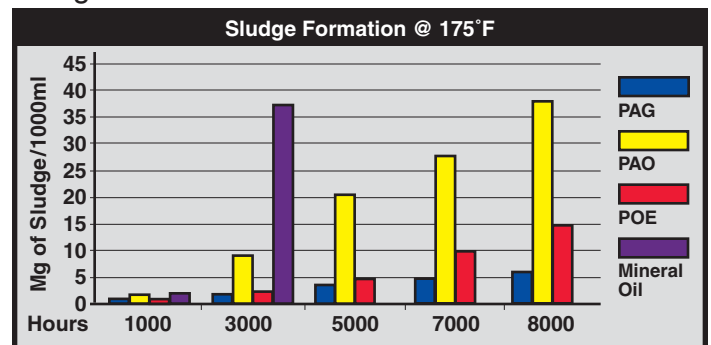
Antiwear Properties of PAG's vs Other Lubricants



Oxidation Properties of PAG's vs Other Lubricants



Sludge Formation of PAG's vs Other Lubricants



## Lubriplate® PGO Series / Polyalkylene Glycol (PAG)-Based Lubricants

### Interchange Recommendations

BEL-RAY	LUBRIPLATE	KLÜBER	LUBRIPLATE	MOBIL	LUBRIPLATE
Syntex Fluids	PGO Fluids	Klübersynth UH-1 6-150	PGO FGL-150*	Glygoyle HE-220	PGO-220
JAX	LUBRIPLATE	Klübersynth UH-1 6-220	PGO FGL-220*	Glygoyle HE-320	PGO-320
Permagear IND-100	-	Klübersynth UH-1 6-320	PGO FGL-320*	Glygoyle HE-460	PGO-460
Permagear IND-150	PGO-150	Klübersynth UH-1 6-460	PGO FGL-460*	Glygoyle HE-680	PGO-680
Permagear IND-220	PGO-220	Klübersynth UH-1 6-680	PGO FGL-680*	SHELL	LUBRIPLATE
Permagear IND-320	PGO-320	Klübersynth GH 6-220	PGO-220	Tivela S-220	PGO-220
Permagear IND-460	PGO-460	Klübersynth GH 6-320	PGO-320	Tivela S-320	PGO-320
Permagear IND-680	PGO-680	Klübersynth GH 6-460	PGO-460	Tivela S-460	PGO-460
		Klübersynth GH 6-680	PGO-680	Tivela S-680	PGO-680

\*NSF H-1 Registered - Food Machinery Grade

### PGO Series: Polyalkylene Glycol (PAG)-Based, Synthetic Gear, Bearing and Chain Lubricants.

These 100% polyalkylene glycol (PAG) fluids are designed for gearboxes, bearings and chains operating in the most demanding conditions. They provide outstanding thermal stability, excellent extreme pressure and anti-wear performance and protection against micropitting. They exceed 12 stages of the FZG test. Lubriplate PGO Fluids are free of zinc and other additives that may be undesirable in environmentally sensitive areas. They offer long service life and work well over extended fluid change intervals which conserves resources and helps ease waste oil disposal problems.

LUBRIPLATE PRODUCT	ISO GRADE	AGMA NO.	SAE GEAR OIL NO.	SAE NO.	VISCOSITY cSt @40°C / 100°C	VISCOSITY INDEX	FLASH POINT	POUR POINT
PGO-150	150	4	90	40	150 / 25	232	543°F / 284°C	-53°F / -47°C
PGO-220	220	5	90	50	227 / 42	242	543°F / 284°C	-44°F / -42°C
PGO-320	320	6	140	60	339 / 61	252	540°F / 282°C	-38°F / -39°C
PGO-460	460	7	140	-	477 / 83	262	543°F / 284°C	-33°F / -36°C
PGO-680	680	8	250	-	725 / 122	272	549°F / 287°C	-27°F / -33°C

### PGO-FGL Series: NSF H-1 Registered, Polyalkylene Glycol (PAG)-Based, Synthetic Gear Lubricants.

These extreme pressure lubricants are designed for use in helical, bevel helical, planetary and worm type gearboxes operating in the most demanding food manufacturing environments. Formulated with a high performance food grade additive package, these lubricants deliver outstanding protection against micropitting and wear as well as good corrosion protection and thermal stability. These products are approved by Flender.

LUBRIPLATE PRODUCT	ISO GRADE	AGMA NO.	SAE GEAR OIL NO.	SAE NO.	VISCOSITY cSt @40°C / 100°C	VISCOSITY INDEX	FLASH POINT	POUR POINT
PGO-FGL-150	150	4	90	40	150 / 25	232	543°F / 284°C	-53°F / -47°C
PGO-FGL-220	220	5	90	50	227 / 42	242	543°F / 284°C	-44°F / -42°C
PGO-FGL-320	320	6	140	60	339 / 61	252	540°F / 282°C	-38°F / -39°C
PGO-FGL-460	460	7	140	-	477 / 83	262	543°F / 284°C	-33°F / -36°C
PGO-FGL-680	680	8	250	-	725 / 122	272	549°F / 287°C	-27°F / -33°C

### Packaging / Part Numbers

PRODUCT / PACKAGE / PART NO.	1 GAL. JUG	5 GAL. PAIL	55 GAL. DRUM
LUBRIPLATE PGO-150	L0845-057	L0845-060	L0845-062
LUBRIPLATE PGO-220	L0838-057	L0838-060	L0838-062
LUBRIPLATE PGO-320	L0840-057	L0840-060	L0840-062
LUBRIPLATE PGO-460	L0839-057	L0839-060	L0839-062
LUBRIPLATE PGO-680	L0846-057	L0846-060	L0846-062
LUBRIPLATE PGO-FGL-150	L0810-057	L0810-060	L0810-062
LUBRIPLATE PGO-FGL-220	L0811-057	L0811-060	L0811-062
LUBRIPLATE PGO-FGL-320	L0812-057	L0812-060	L0812-062
LUBRIPLATE PGO-FGL-460	L0813-057	L0813-060	L0813-062
LUBRIPLATE PGO-FGL-680	L0815-057	L0815-060	L0815-062



▶ Contact your local Lubriplate Representative or call for flushing procedures when switching from petroleum or PAO-based lubricants.