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 SYNTHETIC HIGH TEMP FLUIDS No. 68 & No. 220

LUBRIPLATE Synthetic High Temp Fluids are 100% ester based synthetic fluids specifically designed for use on oven chains and other industrial bearing and gear applications in which high temperatures are encountered. The combination of an ashless additive system and the synthetic ester base provide protection against wear, rust, oxidation and corrosion. Both fluids utilize an enhanced coefficient of friction additive which will disperse and clean pre-existing carbon deposits on chains and bearings thereby reducing power consumption. These products deliver unsurpassed oxidation stability and anti-coking performance. They remain stable and clean in the application.

LUBRIPLATE Synthetic High Temp Fluids are recommended for use on bakery oven chains, drying oven chains, tenter frame chains, heat-treating chains, paint curing oven chains and any other type of bearing/slide/gear box application where they are exposed to high operating temperatures and must maintain a clean lubricated surface.

LUBRIPLATE Synthetic High Temp Fluids can be fed through micro lube systems, spray systems, mist systems, drip bottle systems and can be hand applied. When lubricating a hot chain, position the lubricator at the coolest point on the chain and use the minimum volume necessary to properly lubricate the chain. This will help prevent smoking of the lubricant once it reaches the hottest point in the oven.

Benefits of LUBRIPLATE Synthetic High Temp Fluids are as follows:

- Eliminates carbon build-up on chains
- Do not contain harmful VOC's which pollute the atmosphere
- Advanced ester chemistry reduces friction, wear and energy costs
- High auto-ignition temperature to reduce the risk of oven fires >700ºF.
- Superior film strength reduces oil consumption and reduces smoke

Typical Tests	**No. 68**	**No. 220**
Viscosity SUS @ 100°F 364	1112	
cSt @ 40°C	74	220
Viscosity SUS @ 210°F	58	102
cSt @ 100°C	10.8	19
ISO Grade	68	220
API Gravity	14.6	14.4
Flash Point °F/°C	554/290	525/274
Fire Point °F/°C	640/338	580/304
Pour Point °F/°C	-25/-32	-5/-21
Four-Ball Wear Test		
Average Wear Scar Diameter	0.3 mm	0.45 mm
Type of Ester	100% Polyolester	Polyolester blend with another synthetic fluid

(Over for Application Information)

MAJOR APPLICATIONS INCLUDE:

- Drying Ovens
- Textile - Tenter Frame Chains
- Wallboard - Dryer Chains
- Painting - Dryer Chains
- Lithographic Chains - Beverage Can Lines
- Glass - Forming Line Chains
- Laminating - Drying Lines
- Food Cookers & Frying
- Heat Treating - Chains & Bearings
- Kiln Support Rollers - Cement Plants (Trunions)
- Bakery Oven Chains

HOW TO APPLY AND AT WHAT TEMPERATURE

- Micro Lube Systems ± 500°F
- Spray Systems ± 500°F
- Mist Systems ± 500°F (Fire Safety precautions are necessary with this system when exposed to open flame).
- Drip Bottle Systems ± 500°F
- Drip Bottle With Brush ± 500°F
- Hand Applied ± 500°F (Apply @ 250° or less to minimize smoke. Also run chain a few minutes to remove excess).

Note: To avoid heavy smoke, lube in small volumes with more frequency. The higher the temperature, the more important this becomes.

Where to lubricate a chain - (Lubricator positioning is important)

- Lube chains on slack side whenever possible.
- Lube at pin and roller (Pin Bush Joint).
- When lubing a hot chain, position the lubricator at the coolest point or as close as possible.

Note: Know and understand the source of the heat to avoid fires. If you are in doubt, contact Technical Services at, 1-800-347-5343.

Our suggestion for establishing the lube cycle for automatic chain lubricators are to base it on amperage draws (an increase in friction). A simple high amp setting, activating a solenoid, signaling the lube motor (present for lube duration) to turn on. If you have any problems with systems of this nature, contact one of our Technical Staff.

Remember to advise your customer that this chain oil contains an ester and when first applied to a used chain, he may experience a heavy cleaning action and must deal with dirt, contaminants and rust coming off the used chain. This will last ± two weeks and then the only thing coming off the chain will be a soft carbon when used in maximum temperature range.

	No. 68	**No. 220**
***NSF H2 Registration No.**	N/A	136233

*Note: Authorized by NSF (National Sanitation Foundation) for use where there is no possibility of food contact (H2) in and around food processing plants.

Packaging Available	**No. 68 Part No.**	**No. 220 Part No.**
5 Gallon Pail	L0778-060	L0780-060
55 Gallon Drum	L0778-062	L0780-062

Printed in USA
Revised 4/27/09