



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

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## PRODUCT DATA

# LUBRIPLATE SYNTHETIC HIGH TEMP FLUID No. 220

## DESCRIPTION

LUBRIPLATE Synthetic High Temp Fluid No. 220 is a 100% ester based synthetic fluid 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. This fluid utilizes an enhanced coefficient of friction additive which will disperse and clean pre-existing carbon deposits on chains and bearings thereby reducing power consumption. This product delivers unsurpassed oxidation stability and anti-coking performance. It remains stable and clean in the application.

## APPLICATIONS

### 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 <sup>1</sup>	: 500°F
Drip Bottle Systems	: 500°F
Drip Bottle with Brush	: 500°F
Hand Applied <sup>2</sup>	: 500°F

<sup>1</sup> - Fire Safety precautions are necessary with this system when exposed to open flame

<sup>2</sup> - 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.

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.

## ADVANTAGES

- ⇒ Eliminates carbon build-up on chains.
- ⇒ Does 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 >650°F.
- ⇒ Superior film strength reduces oil consumption and reduces smoke.

## Typical Test Data

PROPERTY	TEST METHOD	TYPICAL RESULTS*
Viscosity:	cSt @ 40°C	220
	cSt @ 100°C	19
API Gravity	ASTM D-287	14.4
Flash Point	ASTM D-92	554°F/290°C
Fire Point	ASTM D-92	626°F/330°C
Autoignition Temperature	ASTM E-659	788°F/420°C
Pour Point	ASTM D-97	-5°F/-21°C
Four-Ball Wear Test	ASTM D-2266	0.45 mm
Type of Base Oil		Synthetic Ester

## PACKAGING AVAILABLE

5 Gallon Pail  
55 Gallon Drum

## Part No.

L0780-060  
L0780-062