



Guide To Lubriplate's Advanced Lubricants For High Temperature Applications

Synthetic High Temperature Oven Chain Oils

Synthetic High Temperature Air Compressor Fluids

Synthetic High Temperature Gear Oils For Demanding Applications

Synthetic High Temperature Hydraulic Fluids

Synthetic High Temperature Greases

Mineral Oil-Based High-Temperature Greases



Synthetic High Temperature Oven Chain Lubricants

HTCL-FG SERIES: NSF H1 Registered,* 100% Synthetic, Polyol Ester (POE)-Based, Oven Chain Lubricants.

Recommended for use on bakery oven chains and other oven chain applications. The combination of an ashless additive system and the synthetic ester base provide protection against wear, rust, oxidation and corrosion. They eliminate carbon build-up on chains and help maintain a clean lubricated surface. Free of harmful VOC's which pollute the atmosphere. Superior film strength reduces oil consumption and reduces smoke. High auto-ignition temperatures (>700°F / 371°C) reduce the risk of oven fires. NSF H1 Registered* Food Machinery Grade.

SYNXTREME HT BN MAX: NSF H1 Registered,* 100% Synthetic, Polyol Ester (POE)-Based, Oven Chain Lubricant.

This ISO 220 polyol ester full synthetic fluid lubricant offers a high flash point of 575°F / 302°C. Lubricating solids provide additional lubrication up to 1000°F / 538°C. Extends lubrication interval and reduces lubricant consumption. Reduces oven drive motor amperage draw. NSF H1 Registered* Food Machinery Grade.

SCL-H1/220: NSF H1 Registered,* 100% Synthetic, Ester-Based, Oven Chain Lubricant.

Lower cost NSF H1 registered, synthetic high-temperature chain lube. High flash point of 542°F. Low evaporation rate <5%. Reduces carbon buildup on chains. No harmful VOC's.

SCL-HD/68 and SCL-HD/220: 100% Synthetic, Ester-Based, Oven Chain Lubricants.

Designed for a wide range of oven chain applications. Reduces carbon buildup on chains. No harmful VOC's. Unique chemistry reduces friction, wear and energy costs.

SYNTHETIC HIGH TEMP FLUID 68 and 220: 100% Ester-Based, Oven Chain Lubricants.

These 100% ester based synthetic lubricants 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/gearbox applications where they are exposed to high operating temperatures and must maintain a clean lubricated surface.

LUBRIPLATE PRODUCT	*PRODUCT PART NO.	ISO GRADE	AGMA NO.	SAE GEAR OIL NO.	SAE NO.	VISCOSITY cSt @40°C / 100°C	VISCOSITY INDEX	FLASH POINT	FIRE POINT	POUR POINT
HTCL-FG 68	L0946-	68	2	80	-	68 / 11	-	575°F / 302°C	-	-
HTCL-FG 100	L0929-	100	3	85	-	102 / 13	-	575°F / 302°C	-	-
HTCL-FG 220	L0947-	220	5	90	-	224 / 20	-	575°F / 302°C	-	-
*HTCL-FG SERIES Lubricants are available in 1 Gallon Jugs (Package Part No. Suffix -057), 5 Gallon Pails (Package Part No. Suffix -060) and 55 Gallon Drums (Package Part No. Suffix -062)										
SYNXTREME HT BN MAX	L1018-	220	5	90	-	-	-	575°F / 302°C	-	-
*SYNXTREME HT BN MAX is available in 5 Gallon Pails (Package Part No. Suffix -060) and 55 Gallon Drums (Package Part No. Suffix -062)										
SCL-H1/220	L1073-	220	5	90	-	214 / 22	-	542°F / 283°C	615°F / 324°C	-32°F / -36°C
*SCL-H1/220 is available in 5 Gallon Pails (Package Part No. Suffix -060) and 55 Gallon Drums (Package Part No. Suffix -062)										
SCL-HD/68	L1076-	68	2	80W	-	68 / 7	-	450°F / 232°C	525°F / 274°C	-32°F / -36°C
SCL-HD/220	L1075-	220	5	90	-	214 / 22	-	542°F / 283°C	615°F / 324°C	-32°F / -36°C
*SCL-HD/68 & SCL-HD/220 are available in 5 Gallon Pails (Package Part No. Suffix -060) and 55 Gallon Drums (Package Part No. Suffix -062)										
SYN HIGH TEMP 68	L0778-	68	2	80W	-	74 / 11	109	554°F / 290°C	640°F / 338°C	-25°F / -32°C
SYN HIGH TEMP 220	L0780-	220	5	90	-	220 / 19	92	554°F / 290°C	626°F / 330°C	-5°F / -21°C
*SYN HIGH TEMP 68 & SYN HIGH TEMP 220 are available in 5 Gallon Pails (Package Part No. Suffix -060) and 55 Gallon Drums (Package Part No. Suffix -062)										

Synthetic High Temperature Compressor Fluids

SYNXTREME AC SERIES: Polyolester (POE)-Based, 100% Synthetic, High Temperature Compressor Fluids.

These state-of-the-art, polyolester (POE) type, 100% synthetic fluids are designed for maximum performance in rotary screw and vane type air compressors. Special advanced POE base esters combined with a multi-charged additive system produce unmatched oxidative stability, enhanced hydrolytic stability and excellent wear and corrosion protection.

LUBRIPLATE PRODUCT	*PRODUCT PART NO.	ISO GRADE	AGMA NO.	SAE GEAR OIL NO.	SAE NO.	VISCOSITY cSt @40°C / 100°C	VISCOSITY INDEX	FLASH POINT	FIRE POINT	POUR POINT
SYNXTREME AC 32	L0939-	32	-	-	10	32 / 6	125	525°F / 274°C	-	-51°F / -46°C
SYNXTREME AC 46	L0940-	46	-	-	20	46 / 7	117	527°F / 275°C	-	-40°F / -40°C
SYNXTREME AC 68	L0941-	68	-	-	20	66 / 9	103	530°F / 277°C	-	-20°F / -29°C

*SYNXTREME AC SERIES Fluids are available in 5 Gallon Pails (Package Part No. Suffix -060) and 55 Gallon Drums (Package Part No. Suffix -062).

Synthetic High Temperature Gear Oils for Demanding Applications

PGO-FGL SERIES: NSF H1 Registered,* High Temperature, Polyalkylene Glycol (PAG)-Based, Synthetic Gear Lubricants.

These extreme pressure lubricants are designed for use in 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. NSF H1 Registered* Food Machinery Grade.

PGO SERIES: High Temperature, 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 13 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 extended fluid change intervals which conserves resources and helps ease waste oil disposal problems.

LUBRIPLATE PRODUCT	*PRODUCT PART NO.	ISO GRADE	AGMA NO.	SAE GEAR OIL NO.	SAE NO.	VISCOSITY cSt @40°C / 100°C	VISCOSITY INDEX	FLASH POINT	FIRE POINT	POUR POINT
PGO-FGL-150	L0810-	150	4	90	40	150 / 25	232	543°F / 284°C	-	-53°F / -47°C
PGO-FGL-220	L0811-	220	5	90	50	227 / 42	242	543°F / 284°C	-	-44°F / -42°C
PGO-FGL-320	L0812-	320	6	140	60	339 / 61	252	540°F / 282°C	-	-38°F / -39°C
PGO-FGL-460	L0813-	460	7	140	-	477 / 83	262	543°F / 284°C	-	-33°F / -36°C
PGO-FGL-680	L0815-	680	8	250	-	725 / 122	272	549°F / 287°C	-	-27°F / -33°C
*PGO-FGL SERIES Fluids are available in Quart Bottles (Package Part No. Suffix -054), 1 Gallon Jugs (Package Part No. Suffix -057), 5 Gallon Pails (Package Part No. Suffix -060) and 55 Gallon Drums (Package Part No. Suffix -062).										
PGO-150	L0845-	150	4	90	40	150 / 25	232	>536°F / >280°C	-	-53°F / -47°C
PGO-220	L0838-	220	5	90	50	227 / 42	242	>536°F / >280°C	-	-44°F / -42°C
PGO-320	L0840-	320	6	140	60	339 / 61	252	>536°F / >280°C	-	-38°F / -39°C
PGO-460	L0839-	460	7	140	-	477 / 83	262	>536°F / >280°C	-	-33°F / -36°C
PGO-680	L0846-	680	8	250	-	725 / 122	272	>536°F / >280°C	-	-27°F / -33°C
*PGO SERIES Fluids are available in 1 Gallon Jugs (Package Part No. Suffix -057), 5 Gallon Pails (Package Part No. Suffix -060) and 55 Gallon Drums (Package Part No. Suffix -062).										

*H1 Class Lubricants are manufactured with ingredients that comply with FDA regulation 21 CFR 178.3570 for lubricants with incidental contact with the edible product.

Synthetic High Temperature Hydraulic Fluids



SYNXTREME FRH1-46: NSF H1 Registered* Food Machinery Grade, 100% Synthetic, FM Approved, Fire Resistant Hydraulic Fluid.

A high performance hydraulic fluid designed for demanding food processing applications requiring fire resistance, and excellent anti-wear properties over wide temperature ranges. NSF H1 Registered* food machinery grade.

SYNXTREME FRHD-46: 100% Synthetic, High Temperature, FM Approved, Fire Resistant Hydraulic Fluid.

A high performance, 100% synthetic Polyolester (POE)-Based hydraulic fluid designed for demanding industrial applications requiring fire resistance, and excellent anti-wear properties.

LUBRIPLATE PRODUCT	*PRODUCT PART NO.	ISO GRADE	AGMA NO.	SAE GEAR OIL NO.	SAE NO.	VISCOSITY cSt @40°C / 100°C	VISCOSITY INDEX	FLASH POINT	FIRE POINT	POUR POINT
SYNXTREME FRH1-46	L1024-	46	1	75W	20	50 / 10	176	594°F / 312°C	600°F / 316°C	-42°F / -41°C
*SYNXTREME FRH1-46 is available in 5 Gallon Pails (Package Part No. Suffix -060) and 55 Gallon Drums (Package Part No. Suffix -062)										
SYNXTREME FRHD-46	L1023-	46	1	75W	20	50 / 10	176	594°F / 312°C	600°F / 316°C	-42°F / -41°C
*SYNXTREME FRHD-46 is available in 5 Gallon Pails (Package Part No. Suffix -060) and 55 Gallon Drums (Package Part No. Suffix -062)										

Synthetic Ultra High Temperature Greases

SYNXTREME HT MAX & SYNXTREME HT MAX-2/220: NSF H1 Registered,* Ultra High Temperature, PTFE Thickened, PFPE-Based Greases.

Recommended for high-temperature applications up to 550°F / 288°C and applications where chemical inertness and solvent resistance is required. They provide extremely long service life and extended lubrication intervals. Unaffected by strong acids and bases and is not attacked by solvents including fuels. They are also effective for oxygen service applications.

SYNXTREME HT MAX PLUS: Ultra High Temperature PFPE Grease.

An advanced, fluorinated (PFPE) synthetic grease formulated to provide effective long-term lubrication to equipment exposed to temperatures in excess of 260°C (500°F). It is non-flammable, non-melting and chemically inert towards chemicals and fuels. Excellent compatibility with plastics and elastomers.

SYNXTREME FG/460 SERIES: NSF H1 Registered,* High-Temperature, Synthetic, Calcium Sulfonate Complex, Food Machinery Grade Greases.

NSF H1 registered, high performance, multi-purpose, synthetic, food machinery grade greases. Provides long lasting, anti-wear and extreme pressure protection. Highly resistant to water and caustic solution wash downs. Provides excellent high and low temperature performance. Formulated with heavy ISO 460 Grade base fluids. Recommended for equipment operating under high temperatures or extreme conditions. SYNXTREME FG/460 Series Greases Contain LUBRI-ARMOUR Anti-Microbial Additive.

SYNXTREME HD/460 SERIES: High-Temperature, Synthetic, Calcium Sulfonate Complex, Extreme-Duty Greases.

These high performance, extreme-duty, multi-purpose, synthetic, calcium sulfonate complex greases provide unsurpassed anti-wear, and extreme pressure protection. They are highly water resistant and work well over a wide range of temperature extremes and other adverse conditions. Superior shear stability and oxidation resistance provide long lasting protection. Formulated with heavy ISO 460 Grade base fluid. Recommended for equipment operating under high temperatures and/or extreme conditions. Available in 4 NLGI grades for a wide range of applications.

LUBRIPLATE PRODUCT	*PRODUCT PART NO.	GREASE TYPE THICKENER	NLGI GRADE	BASE OIL TYPE	BASE OIL VIS. cSt @ 40°C	RECOMMENDED TEMPERATURE RANGE MINIMUM	RECOMMENDED TEMPERATURE RANGE MAXIMUM	ASTM DROP POINT
SYNXTREME HT MAX	L0331-	PTFE	2	Perfluoropolyether PFPE	488	-4°F / -20°C	550°F / 288°C	>600°F / >316°C
SYNXTREME HT MAX-2/220	L0330-	PTFE	2	Perfluoropolyether PFPE	220	-4°F / -20°C	550°F / 288°C	>600°F / >316°C
*SYNXTREME HT MAX & HT MAX-2/220 Greases are available in a Single Cartridge (Package Part No. Suffix -002), 10 Pack Cartridges (Package Part No. Suffix -010), 44 lb Pail (Package Part No. Suffix -035) and 180 lb Qtr Drum (Package Part No. Suffix -039)								
SYNXTREME HT MAX PLUS	L0332-	PTFE	2	Perfluoropolyether PFPE	488	-4°F / -20°C	550°F / 288°C	>600°F / >316°C
*SYNXTREME HT MAX PLUS Grease is available in a 28 oz Cartridge (Package Part No. Suffix -002) and a 60 lb Pail (Package Part No. Suffix -035)								
SYNXTREME FG-00/460	L0324-	Calcium Sulfonate Complex	00	Synthetic PAO	460	-35°F / -37°C	410°F / 210°C	550°F / 288°C
SYNXTREME FG-0/460	L0322-	Calcium Sulfonate Complex	0	Synthetic PAO	460	-35°F / -37°C	450°F / 232°C	>600°F / 316°C
SYNXTREME FG-1/460	L0321-	Calcium Sulfonate Complex	1	Synthetic PAO	460	-35°F / -37°C	460°F / 238°C	>600°F / 316°C
SYNXTREME FG-2/460	L0320-	Calcium Sulfonate Complex	2	Synthetic PAO	460	-35°F / -37°C	470°F / 243°C	>600°F / 316°C
*SYNXTREME FG/460 SERIES Greases are available in Cartridges (Package Part No. Suffix -098), 35 lb Pails (Package Part No. Suffix -035), 1/4 Drums (Package Part No. Suffix -039), 400 lb Drums & (Package Part No. Suffix -040) and Perma Lubricators.								
SYNXTREME HD-00/460	L0408-	Calcium Sulfonate Complex	00	Synthetic PAO	460	-35°F / -37°C	410°F / 210°C	550°F / 288°C
SYNXTREME HD-0/460	L0407-	Calcium Sulfonate Complex	0	Synthetic PAO	460	-35°F / -37°C	450°F / 232°C	>600°F / 316°C
SYNXTREME HD-1/460	L0406-	Calcium Sulfonate Complex	1	Synthetic PAO	460	-35°F / -37°C	460°F / 238°C	>600°F / 316°C
SYNXTREME HD-2/460	L0405-	Calcium Sulfonate Complex	2	Synthetic PAO	460	-35°F / -37°C	470°F / 243°C	>600°F / 316°C
*SYNXTREME HD/460 SERIES Greases are available in Cartridges (Package Part No. Suffix -098), 35 lb Pails (Package Part No. Suffix -035), 1/4 Drums (Package Part No. Suffix -039), 400 lb Drums & (Package Part No. Suffix -040) and Perma Lubricators.								

Mineral Oil-Based High Temperature Greases

HIGH TEMP: Multi-Purpose, High Temperature, Bentone Type Grease.

Multi-Purpose, for high temperature applications. Non-melt type, workable from 40°F / 4°C to 500°F / 260°C with frequent lube intervals.

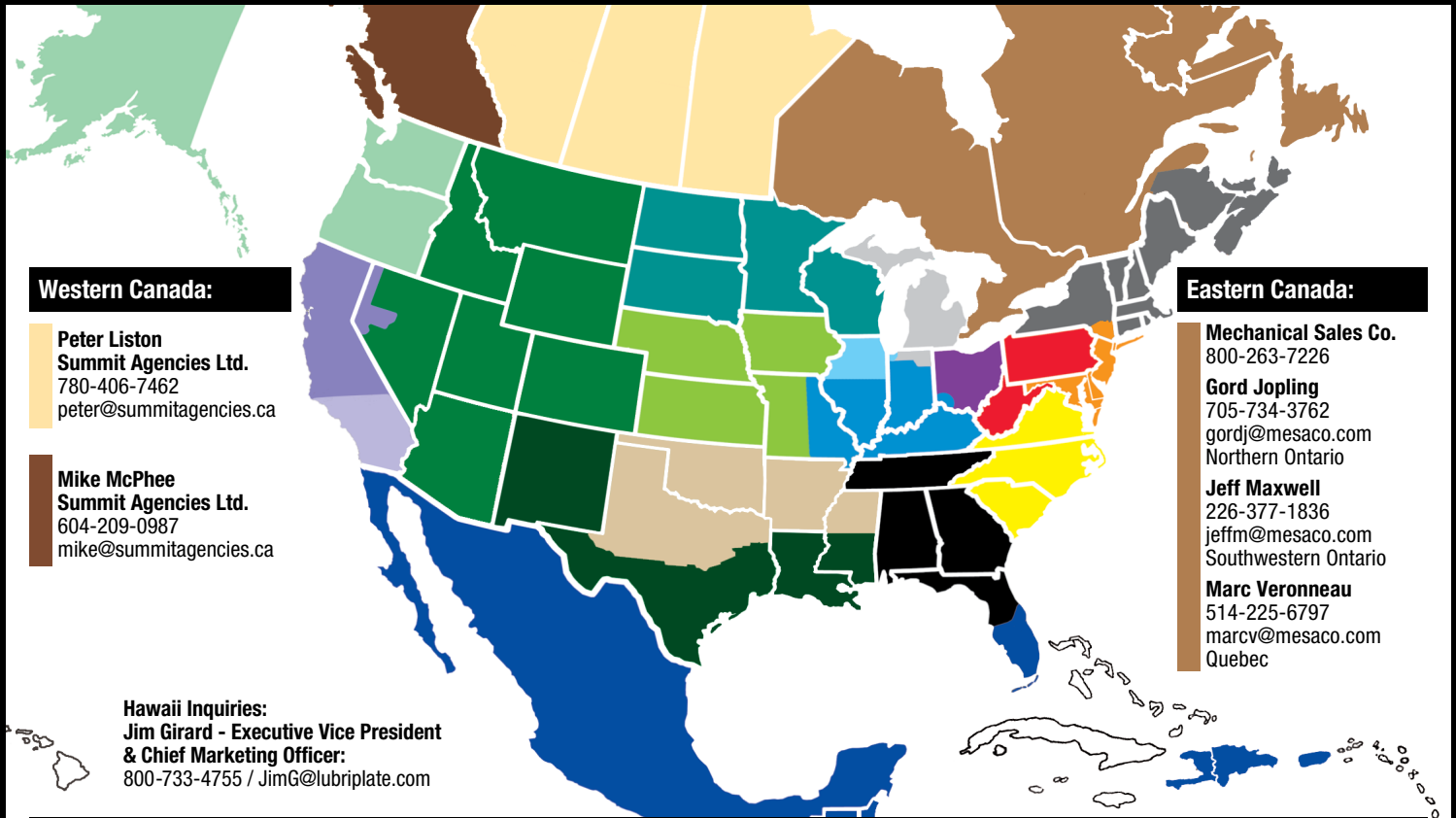
930 SERIES: Multi-Purpose, High Temperature, Bentone Type Greases.

Non-melt, bentone type greases formulated for higher temperature applications. 930-AA & 930-AAA are recommended for centralized/automatic greasing systems.

LUBRIPLATE PRODUCT	*PRODUCT PART NO.	GREASE TYPE THICKENER	NLGI GRADE	BASE OIL TYPE	BASE OIL VIS. cSt @ 40°C	RECOMMENDED TEMPERATURE RANGE MINIMUM	RECOMMENDED TEMPERATURE RANGE MAXIMUM	ASTM DROP POINT
HIGH TEMP	L0161-	Bentone	2	Mineral Oil	497	40°F / 4°C	400°F / 204°C	NON-MELT
*HIGH TEMP is available in Cartridges (Package Part No. -098), 1 lb Tubs (Package Part No. -004), 6 lb Tubs (Package Part No. -005), 35 lb Pails (Package Part No. -035), 1/4 Drums (Package Part No. -039), 400 lb Drums & (Package Part No. -040), and Perma Lubricators.								
930-AAA	L0098-	Bentone	0	Mineral Oil	167	-0°F / -18°C	360°F / 182°C	NON-MELT
930-AA	L0096-	Bentone	1	Mineral Oil	135	-0°F / -18°C	370°F / 188°C	NON-MELT
930-2	L0100-	Bentone	2	Mineral Oil	135	5°F / -15°C	375°F / 191°C	NON-MELT
930-A	L0095-	Bentone	3	Mineral Oil	135	5°F / -15°C	375°F / 191°C	NON-MELT
*930 SERIES Greases are available in 1 lb Tubs (Package Part No. -004), 6 lb Tubs (Package Part No. -005), 35 lb Pails (Package Part No. -035), 1/4 Drums (Package Part No. -039), 400 lb Drums & (Package Part No. -040). 930-AA & 930-2 are also available in Cartridges (Package Part No. -098).								

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