

# Lubriplate® Lubricants

Advanced Lubricant Technology  
For All Industries.



Our 135th Year



High Performance Synthetic Fluids and Greases

Air Compressor and Vacuum Pump Oils

Hydraulic Oils

Multi-Purpose Greases

Greases For Special Applications

Gear, Bearing & Recirculating Oils

Specialty Lubricants

Food Machinery Lubricants NSF H-1 Class

Automotive Lubricants

Motor Oils

Metal Working Fluids

Spray Lubricants, Grease Cartridges and Tubes



# LUBRIPLATE®

Lubrication Data Book

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LUBRIPLATE DIVISION / Fiske Brothers Refining Company

Corporate Headquarters / 129 Lockwood Street / Newark, NJ 07105  
PHONE 800-733-4755 / FAX 973-589-4432 / FAX 800-347-5329

Midwest Office & Plant / 1500 Oakdale Ave. / Toledo, OH 43605  
PHONE 419-691-2491 / FAX 419-693-3806 / FAX 800-347-5348

[www.lubriplate.com](http://www.lubriplate.com) or Email us at [info@lubriplate.com](mailto:info@lubriplate.com)



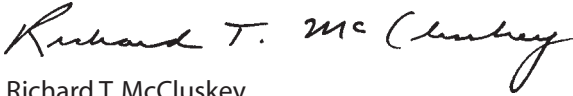
# Introduction

To: Our LUBRIPLATE Distributors and Consumers

Ladies and Gentlemen:

Thank you for your interest in LUBRIPLATE Lubricants. For 135 years, our Company has manufactured and sold only the highest quality lubricants to all types of industry. The advent of ISO-9000 has given us the opportunity to prove that "we practice what we preach." As an ISO-9001 registered company, all of our employees have totally committed themselves to developing, manufacturing and selling quality products that meet and exceed your expectations. Our commitment to maintaining ISO-9001 certification provides us with a bright and strong future. We appreciate your consideration of LUBRIPLATE Lubricants. We realize that we must constantly work to earn and maintain your trust.

Sincerely,



Richard T. McCluskey  
President and Chief Executive Officer  
e-mail: RichardM@lubriplate.com



## Complimentary Value Added Services Offered



### Toll Free Technical Support Hotline:

Call our technical service center toll free at **800-347-5343** for answers to your lubrication questions by phone, or contact your nearest Lubriplate district manager (listed on back cover) or your local distributor representative for complete technical support.



### Complete Plant Surveys and Lubricant Inventory Consolidation:

Complete plant surveys by our professional staff of lubrication engineers are also available to determine your exact lubricant requirements and identify opportunities for lubricant inventory consolidation and lubricant application consolidation.



### Lubrication Maintenance Software:

Lubriplate offers a PC based computer software program that puts your entire lubrication and maintenance schedules at your fingertips. This service is based on a complete survey of your entire plant. Contact Dan Moroses (Newark office) for details at **973-589-9150**.



### No-Charge Oil / Fluid and Grease Analysis:

We encourage the use of our Fluid and Grease Analysis Program that is offered at no-charge on all Lubriplate products. Tests that are performed include: Viscosity, Acidity, Contamination (% sediment and % moisture,) Spectrochemical (PPM of wear metals and additives) ISO Cleanliness (optional). An interpretation of the results is included along with suggested actions to take.



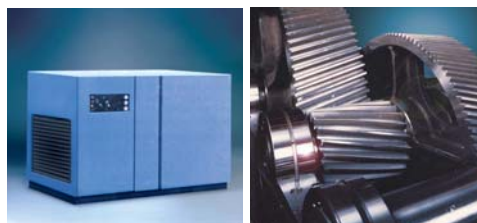
### In Plant User Lubrication Training and Distributor Training:

Lubriplate offers training programs tailored to fit your needs. Our lubrication engineering training sessions are not glorified sales meetings. Rather, they discuss all facets of machinery lubrication, lubricants and correct lubricant selection. All seminars are graphically presented with overheads, and other support material. Available on-site at your facility or off-site in a conference room of a local hotel. Contact us at **800-733-4755** to arrange a no charge lubrication seminar.

# Multi-Purpose Synthetic Fluids

## Syn-Lube Series: Multi-Purpose, Polyalphaolefin (PAO)-Based Synthetic Fluids.

These multi-purpose polyalphaolefin (PAO) based, zinc-free fluids are formulated with state of the art additives. These fluids provide outstanding performance over extended drain intervals. Syn-Lube 22, 32, 46, 68 & 100 are recommended for many types of rotary screw and piston type air compressors, hydraulic systems, blowers, and turbine oil applications. Syn-Lube 150, 220, 320, 460, & 680 are recommended for gearboxes, bearings, chains and recirculating systems.



LUBRIPLATE PRODUCT	*PRODUCT PART NO.	ISO GRADE	SAE NO.	SAE GEAR OIL NO.	VIS. cSt @ 40°C / 100°C	VIS. SUS @ 100°F / 210°F	VIS. INDEX	FLASH POINT	FIRE POINT	AUTO-IGNITION TEMPERATURE	POUR POINT
<b>SYN LUBE 22</b>	L0968-	22	5W	-	23 / 5	129 / 44	138	420°F / 216°C	470°F / 243°C	>700°F / 371°C	-70°F / -57°C
<b>SYN LUBE 32</b>	L0970-	32	10	-	32 / 6	160 / 47	136	470°F / 243°C	505°F / 263°C	>700°F / 371°C	-70°F / -57°C
<b>SYN LUBE 46</b>	L0971-	46	20	75W	44 / 8	223 / 52	138	485°F / 250°C	550°F / 288°C	>700°F / 371°C	-65°F / -54°C
<b>SYN LUBE 68</b>	L0972-	68	20	80W	66 / 10	314 / 58	138	515°F / 267°C	580°F / 304°C	>700°F / 371°C	-60°F / -51°C
<b>SYN LUBE 100</b>	L0973-	100	30	85W	110 / 15	523 / 66	142	530°F / 277°C	590°F / 310°C	>700°F / 371°C	-55°F / -48°C
<b>SYN LUBE 150</b>	L0974-	150	40	80W-90	162 / 21	816 / -	154	540°F / 282°C	590°F / 310°C	-	-60°F / -51°C
<b>SYN LUBE 220</b>	L0975-	220	50	90	199 / 25	988 / -	154	540°F / 282°C	580°F / 304°C	-	-55°F / -48°C
<b>SYN LUBE 320</b>	L0976-	320	60	80W-140	310 / 35	1545 / -	157	540°F / 282°C	585°F / 307°C	-	-50°F / -46°C
<b>SYN LUBE 460</b>	L0977-	460	70	140	440 / 47	2191 / -	164	550°F / 288°C	585°F / 307°C	-	-50°F / -46°C
<b>SYN LUBE 680</b>	L0978-	680	-	-	705 / 68	3384 / -	170	555°F / 291°C	580°F / 304°C	-	-45°F / -43°C

\*Syn Lube 22 through 100 is available in Pails & Drums, Syn Lube 150 through 680 is available in Jugs, Pails, 1/4 Drums & Drums. See page 15 for package part number suffix.

## Synthetic High Temp Fluids 68 and 220: 100% Ester-Based Fluids.

These 100% ester based synthetic lubricants are recommended for use on bakery oven chains, drying oven chains, tender 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. Available in ISO viscosity grades 68 and 220. Proven successful in applications in excess of 600°F / 316°C.

LUBRIPLATE PRODUCT	*PRODUCT PART NO.	ISO GRADE	SAE NO.	VIS. cSt @ 40°C / 100°C	VIS. SUS @ 100°F / 210°F	VIS. INDEX	FLASH POINT	FIRE POINT	POUR POINT
<b>SYN High Temp 68</b>	L0778-	68	20	74 / 11	364 / 58	109	554°F / 290°C	640°F / 338°C	-25°F / -32°C
<b>SYN High Temp 220</b>	L0780-	220	90	220 / 19	1112 / 102	92	525°F / 274°C	580°F / 304°C	-5°F / -21°C

\*SYN High Temp 68 & 220 is available in Pails & Drums. See page 15 for more information and package part number suffix.

## Synthetic Air Compressor Fluids

### Syncool Series: Polyglycolester-Based Synthetic Compressor Fluids.

These polyglycolester-based, synthetic fluids are designed for rotary screw air compressors. They offer excellent heat transfer properties, low evaporation, high flash points, and outstanding oxidation resistance, eliminating varnish and sludge. Fluid change intervals are 8,000 hours under normal operating conditions.



LUBRIPLATE PRODUCT	*PRODUCT PART NO.	ISO GRADE	SAE NO.	VIS. cSt @ 40°C / 100°C	VIS. SUS @ 100°F / 210°F	VIS. INDEX	FLASH POINT	FIRE POINT	POUR POINT
<b>SYNCOOL 32</b>	L0965-	32	10	30 / 6	165 / 34	156	485°F / 252°C	550°F / 288°C	-60°F / -51°C
<b>SYNCOOL 46</b>	L0966-	46	20	47 / 9	232 / 55	180	470°F / 243°C	555°F / 290°C	-50°F / -46°C

\*Syncool Series Fluids are available in Pails & Drums. See page 15 for more information and package part number suffix.

### Synac Series: Diester-Based Synthetic Compressor Fluids

These diester-based synthetic air compressor fluids are outstanding for applications where the fluid is subjected to high temperature and high stress conditions over extended drain intervals. Call our technical service line at 800-347-5343, for fluid and seal compatibility data and conversion procedures.

LUBRIPLATE PRODUCT	*PRODUCT PART NO.	ISO GRADE	SAE NO.	VIS. cSt @ 40°C / 100°C	VIS. SUS @ 100°F / 210°F	VIS. INDEX	FLASH POINT	FIRE POINT	POUR POINT
<b>SYNAC 32</b>	L0932-	32	10	31 / 6	155 / 46	135	450°F / 232°C	530°F / 277°C	-45°F / -43°C
<b>SYNAC 46</b>	L0933-	46	20	44 / 7	213 / 49	118	455°F / 235°C	535°F / 279°C	-35°F / -37°C
<b>SYNAC 68</b>	L0934-	68	20	64 / 8	311 / 53	98	455°F / 235°C	535°F / 279°C	-20°F / -29°C
<b>SYNAC 100</b>	L0935-	100	30	100 / 10	510 / 60	76	450°F / 232°C	530°F / 277°C	-15°F / -26°C
<b>SYNAC 150</b>	L0936-	150	40	147 / 13	754 / 71	71	540°F / 282°C	570°F / 299°C	-25°F / -32°C
<b>SYNAC 220</b>	L0937-	220	-	201 / 16	1003 / 83	74	545°F / 285°C	575°F / 302°C	-20°F / -29°C
<b>SYNAC 320</b>	L0938-	320	-	290 / 20	1496 / 99	77	475°F / 246°C	505°F / 263°C	-5°F / -20°C

\*Synac Series Fluids are available in Pails & Drums. See page 15 for more information and package part number suffix.

# Petroleum-Based Air Compressor Oils

## AC Series: Petroleum-Based, Anti-Wear Fortified Compressor Oils.

These petroleum-based air compressor oils are especially formulated to reduce carbon and varnish buildup. These oils contain fluid zinc to effectively fight friction and wear thus reducing heat and foaming. Available in six ISO grades.

LUBRIPLATE PRODUCT	*PRODUCT PART NO.	ISO GRADE	SAE NO.	VIS. cSt @ 40°C / 100°C	VIS. SUS @ 100°F / 210°F	VIS. INDEX	FLASH POINT	FIRE POINT	POUR POINT
AC-0	L0704-	32	10	31 / 6	160 / 46	136	415°F / 213°C	440°F / 227°C	-30°F / -34°C
AC-1	L0705-	46	20	42 / 7	213 / 49	120	420°F / 216°C	450°F / 232°C	-25°F / -32°C
AC-2	L0706-	68	20	64 / 8	309 / 54	106	430°F / 221°C	465°F / 241°C	-20°F / -29°C
AC-2A	L0707-	100	30	99 / 12	518 / 66	104	445°F / 229°C	480°F / 249°C	-15°F / -26°C
AC-3	L0708-	150	40	135 / 14	690 / 75	102	460°F / 238°C	510°F / 266°C	-10°F / -23°C
AC-4	L0710-	220	40	162 / 16	840 / 83	101	470°F / 243°C	525°F / 274°C	0°F / -18°C

\*AC Series Air Compressor Oils are available in Bottles, Jugs, Pails, 1/4 Drums & Drums, See page 15 for more information and package part number suffix.

## Turbine Oil 32: Petroleum-Based Oil For Centrifugal Air Compressors.

This high-performance, zinc-free fluid meets the requirements of most centrifugal air compressors. Provides excellent oxidation resistance.

LUBRIPLATE PRODUCT	*PRODUCT PART NO.	ISO GRADE	SAE NO.	VIS. cSt @ 40°C / 100°C	VIS. SUS @ 100°F / 210°F	VIS. INDEX	FLASH POINT	FIRE POINT	POUR POINT
Turbine Oil 32	L0942-	32	10	32 / 5	152 / 44	113	390°F / 199°C	440°F / 227°C	-10°F / -23°C

\*Turbine Oil 32 is available in Drums. See page 15 for more information and the package part number suffix.

## Refrigeration Compressor Oils: 68-N (Naphthenic) & 68-P (Semi-Synthetic):

These highly refined lubricants are formulated for use in refrigeration compressor systems utilizing ammonia, CFC (chlorofluorocarbon) and HCFC (hydrochlorofluorocarbon) refrigerants such as R-717, R-11, R-12, R-13, R-113, R-114, R-115, R-22, R-123, R-141b, R-142b, R-500, R-501 and R-502. They are not recommended for use with HFC (hydrofluorocarbon) refrigerants such as HFC-134a (R-134a).

LUBRIPLATE PRODUCT	*PRODUCT PART NO.	ISO GRADE	SAE NO.	VIS. cSt @ 40°C / 100°C	VIS. SUS @ 100°F / 210°F	VIS. INDEX	FLASH POINT	FIRE POINT	POUR POINT
68-N	L0842-	68	20	65 / 7	330 / 48	28	385°F / 196°C	435°F / 224°C	-35°F / -37°C
68-P	L0843-	68	20	63 / 9	315 / 42	106	468°F / 242°C	510°F / 266°C	-38°F / -39°C

\*Refrigeration Compressor Oils 68N & 68P are available in Pails & Drums. See page 15 for more information and the package part number suffix.

**RCO-68:** NSF H-1 Registered, Food Grade, Refrigeration Compressor Fluid. See page 11 for information on this product.

# Heavy-Duty Hydraulic Oils

## HO Series: Petroleum-Based, Heavy-Duty Hydraulic Oils.

Formulated for superior performance, this series contains fluid zinc to effectively reduce ring and vane wear. Excellent anti-rust, anti-corrosion, anti-foam and anti-oxidation properties. High aniline points ensure long seal life with fewer leaks. They can withstand elevated temperatures and high pressures over extended drain intervals. High natural V.I. provides stable viscosities over a wide temperature range. Excellent ISO cleanliness ratings.

LUBRIPLATE PRODUCT	*PRODUCT PART NO.	ISO VIS. GRADE	AGMA NO.	SAE GEAR OIL NO.	SAE NO.	VIS. cSt @ 40°C / 100°C	VIS. SUS @ 100°F / 210°F	VIS. INDEX	FLASH POINT	FIRE POINT	POUR POINT
HO-0	L0760-	32	-	-	10	31 / 6	160 / 46	136	415°F / 213°C	440°F / 227°C	-30°F / -34°C
HO-1	L0761-	46	1	75	20	42 / 7	213 / 49	120	420°F / 216°C	450°F / 232°C	-25°F / -32°C
HO-2	L0762-	68	2	80	20	64 / 8	309 / 54	106	430°F / 221°C	465°F / 241°C	-20°F / -29°C
HO-2A	L0763-	100	3	80	30	99 / 12	518 / 66	104	445°F / 229°C	480°F / 249°C	-15°F / -26°C
HO-3	L0764-	150	4	85	40	135 / 14	690 / 75	102	460°F / 238°C	510°F / 266°C	-10°F / 23°C
HO-4	L0765-	150	5	90	40	162 / 16	840 / 83	101	470°F / 243°C	525°F / 274°C	0°F / -18°C
HO-5	L0766-	320	6	90	60	281 / 22	1510 / 111	96	480°F / 249°C	565°F / 296°C	10°F / -12°C

\*HO Series Oils are available in Jugs, Pails, 1/4 Drums & Drums. See page 15 for more information and the package part number suffix.

## Low Temp Hydraulic Oils: Petroleum-Based Oils For Low Temperature Applications.

LOW TEMPERATURE HYDRAULIC OILS: MV-HO Multi-Viscosity, Special Low Pour, and Minus 70 Hydraulic Oil are for low temperature applications.

LUBRIPLATE PRODUCT	*PRODUCT PART NO.	ISO VIS. GRADE	AGMA NO.	SAE GEAR OIL NO.	SAE NO.	VIS. cSt @ 40°C / 100°C	VIS. SUS @ 100°F / 210°F	VIS. INDEX	FLASH POINT	FIRE POINT	POUR POINT
MV-HO	L0777-	32	-	75	5W-20	35 / 8	186 / 53	199	350°F / 177°C	380°F / 193°C	-50°F / -46°C
Low Pour	L0767-	22	-	75W	5W-20	25 / 7	126 / 46	210	315°F / 157°C	350°F / 177°C	-70°F / -57°C
Minus 70	L0769-	15	-	75W	5W-20	16 / 6	84 / 45	340	200°F / 93°C	220°F / 104°C	-70°F / -57°C

\*Low Temp Hydraulic Oils are available in Jugs, Pails, 1/4 Drums & Drums. See page 15 for more information and the package part number suffix.

# Multi-Purpose Greases

## SYNXTREME HD-2: High Performance, Synthetic, Calcium Sulfonate Complex Grease.

A high performance, multi-purpose, synthetic, calcium sulfonate complex grease. Delivers outstanding shear stability, excellent anti-wear (AW) and extreme pressure protection. Highly water resistant. Superior oxidation resistance for long lasting protection. Excellent high and low temperature performance.

LUBRIPLATE PRODUCT	*PRODUCT PART NO.	NLGI GRADE	OIL VIS. cSt/SUS @ 40°C / 100°F	WORKED PENETRATION	ASTM DROP POINT	APPROX. COLD TEST	AW/EP	RUST/OXID. ADDITIVES	WATER RESISTANT	APPLICATIONS / COMMENTS
SYNX HD-2	L0401-	2	100 / 500	265 / 295	700°F / 371°C	-40°F / -40°C	AW/EP	YES	YES	Heavy-duty general-purpose grease.

\*SYNXTREME HD-2 is available in Cartridges, Pails, 1/4 Drums & Drums. See page 15 for package part number suffix.

## SYN-1600 Series: High Performance, Polyalphaolefin (PAO)-Based Synthetic Greases.

Manufactured with 100% polyalphaolefin (PAO) base fluids and thickened with lithium-complex, for superior oxidation stability, better wear protection and significantly better operating temperature ranges. Fortified with additives to prevent rust and corrosion and to reduce grease bleed.

LUBRIPLATE PRODUCT	*PRODUCT PART NO.	NLGI GRADE	OIL VIS. cSt/SUS @ 40°C / 100°F	WORKED PENETRATION	ASTM DROP POINT	APPROX. COLD TEST	AW/EP	RUST/OXID. ADDITIVES	WATER RESISTANT	APPLICATIONS / COMMENTS
SYN-1600	L0300-	0	218 / 1009	355 / 385	500°F / 260°C	-50°F / -46°C	AW/EP	YES	YES	Centralized greasing systems.
SYN-1601	L0301-	1	218 / 1009	310 / 340	500°F / 260°C	-50°F / -56°C	AW/EP	YES	YES	Multi-purpose, industrial applications.
SYN-1602	L0302-	2	446 / 2066	265 / 295	500°F / 260°C	-45°F / -43°C	AW/EP	YES	YES	Multi-purpose, heavy-duty applications.

\*SYN-1600 Series Greases are available in Pails, 1/4 Drums & Drums, SYN-1601 & SYN-1602 are also available in Cartridges. See page 15 for package part number suffix.

## 1500 Series: Lithium Complex Greases.

These multi-purpose lubricants can withstand higher temperatures than traditional lithium greases. They provide high film strength, excellent shear stability, long lubricant life, and exceptional anti-wear properties. Available in four NLGI densities for a variety of applications. No. 1552 is NLGI GC-LB certified.

LUBRIPLATE PRODUCT	*PRODUCT PART NO.	NLGI GRADE	OIL VIS. cSt/SUS @ 40°C / 100°F	WORKED PENETRATION	ASTM DROP POINT	APPROX. COLD TEST	AW/EP	RUST/OXID. ADDITIVES	WATER RESISTANT	APPLICATIONS / COMMENTS
1500	L0163-	00	200 / 1100	400 / 430	-	-10°F / -23°C	AW/EP	YES	YES	Leaky Gear Cases. Trailer wheel bearings.
1550	L0164-	0	200 / 1100	355 / 385	450°F / 232°C	-10°F / -23°C	AW/EP	YES	YES	Centralized greasing systems.
1551	L0165-	1	200 / 1100	310 / 340	470°F / 243°C	-5°F / -21°C	AW/EP	YES	YES	Ind./const./mining equip.
1552	L0166-	2	200 / 1100	265 / 295	>500°F / 260°C	0°F / -18°C	AW/EP	YES	YES	Ind./const./mining equip., adverse conditions.

\*1500 Series Greases are available in Pails, 1/4 Drums & Drums, No. 1551 & No. 1552 are also available in Cartridges. See page 15 for package part number suffix.

## No. 1200-2: Heavy-Duty, General Purpose, Lithium Type Grease.

This is an excellent, heavy-duty, general purpose, lithium type grease for both industrial and automotive applications. It provides a high film strength, great shear stability, anti-wear and extreme pressure additives.

LUBRIPLATE PRODUCT	*PRODUCT PART NO.	NLGI GRADE	OIL VIS. cSt/SUS @ 40°C / 100°F	WORKED PENETRATION	ASTM DROP POINT	APPROX. COLD TEST	AW/EP	RUST/OXID. ADDITIVES	WATER RESISTANT	APPLICATIONS / COMMENTS
1200-2	L0102-	2	183 / 950	265 / 295	400°F / 204°C	-25°F / -32°C	AW/EP	YES	YES	General-purpose grease.

\*1200-2 is available in Cartridges, Cans, Pails, 1/4 Drums & Drums. See page 15 for package part number suffix.

## 1240 Series: Lithium-Polymer Type, Viscous, Non-corrosive, Extreme Pressure Greases.

Highly water resistant and tacky, they are designed for applications where the grease is subjected to heavy pressure and shock loads. This series is available in 3 NLGI densities for a wide range of applications and temperatures.

LUBRIPLATE PRODUCT	*PRODUCT PART NO.	NLGI GRADE	OIL VIS. cSt/SUS @ 40°C / 100°F	WORKED PENETRATION	ASTM DROP POINT	APPROX. COLD TEST	AW/EP	RUST/OXID. ADDITIVES	WATER RESISTANT	APPLICATIONS / COMMENTS
1240	L0105-	0	237 / 1250	355 / 385	400°F / 204°C	0°F / -18°C	AW/EP	YES	YES	Centralized systems, const. industrial equip.
1241	L0104-	1	237 / 1250	310 / 340	400°F / 204°C	5°F / -15°C	AW/EP	YES	YES	Centralized or hand greasing.
1242	L0106-	2	237 / 1250	265 / 295	425°F / 218°C	15°F / -9°C	AW/EP	YES	YES	Heavy-duty construction equipment.

\*1240 Series Greases are available in Cartridges, Cans, Pails, 1/4 Drums & Drums. See page 15 for package part number suffix.

## No. 1444: Tacky, Aluminum Complex Type Grease.

Specifically formulated for heavy-duty construction and mining equipment. Excellent for slow to moderate speed bearings and chains that are subjected to heat, steam and water. NLGI GC-LB certified.

LUBRIPLATE PRODUCT	*PRODUCT PART NO.	NLGI GRADE	OIL VIS. cSt/SUS @ 40°C / 100°F	WORKED PENETRATION	ASTM DROP POINT	APPROX. COLD TEST	AW/EP	RUST/OXID. ADDITIVES	WATER RESISTANT	APPLICATIONS / COMMENTS
1444	L0227-	2	626 / 3300	265 / 295	500°F / 260°C	10°F / -12°C	AW/EP	YES	YES	Heavy-duty construction, mining equip.

\*No. 1444 is available in Cartridges, Pails, 1/4 Drums & Drums. See page 15 for package part number suffix.

## No. 3000 and 3000-W: Tacky, Moly-Lithium Type, Extreme Pressure Greases.

Provides a durable, tenacious, adhesive film to protect against water, rust, and corrosive contaminants. 3000-W is for cold ambient temperatures.

LUBRIPLATE PRODUCT	*PRODUCT PART NO.	NLGI GRADE	OIL VIS. cSt/SUS @ 40°C / 100°F	WORKED PENETRATION	ASTM DROP POINT	APPROX. COLD TEST	AW/EP	RUST/OXID. ADDITIVES	WATER RESISTANT	APPLICATIONS / COMMENTS
3000	L0108-	2	237 / 1250	265 / 295	450°F / 232°C	0°F / -18°C	AW/EP	YES	YES	Heavy-duty, Construction/ mining equip.
3000-W	L0107-	1	60 / 315	310 / 340	375°F / 191°C	-30°F / -34°C	AW/EP	YES	YES	Heavy-duty equip. Cold weather conditions.

\*3000 Series Greases are available in Cartridges, Cans, Pails, 1/4 Drums & Drums. See page 15 for package part number suffix.

## 630 Series: Lithium Based Multi-purpose Greases.

These popular lithium type greases are excellent for a wide range of lubrication demands, thus reducing the need to carry large grease inventories. All have high film strength, exceptional resistance to water, steam, and other adverse conditions. Available in 4 NLGI densities for a variety of applications.

LUBRIPLATE PRODUCT	*PRODUCT PART NO.	NLGI GRADE	OIL VIS. cSt/SUS @ 40°C/100°F	WORKED PENETRATION	ASTM DROP POINT	APPROX. COLD TEST	AW/EP	RUST/OXID. ADDITIVES	WATER RESISTANT	APPLICATIONS / COMMENTS
630-AAA	L0068-	0	151 / 800	355 / 385	360°F / 182°C	-10°F / -23°C	AW/EP	YES	YES	Centralized greasing systems.
630-AA	L0067-	1	135 / 750	310 / 340	380°F / 193°C	0°F / -18°C	AW/EP	YES	YES	Automatic dispensers, Centralized systems.
630-2	L0072-	2	135 / 750	265 / 295	380°F / 193°C	0°F / -18°C	AW/EP	YES	YES	Multi-purpose, general greasing, bearings.
630-A	L0066-	2.5	135 / 750	235 / 260	390°F / 199°C	10°F / -12°C	AW/EP	YES	YES	Cup type lube, water pumps

\*630 Series Greases are available in Cartridges, Tubes, Cans, Pails, 1/4 Drums & Drums. See page 15 for package part number suffix.

## 730 Series: High Performance, Aluminum Complex Type Greases.

This series provides high load carrying ability and anti-wear protection with high resistance to water, steam, and other corrosive action. Available in 3 NLGI densities for a wide range of applications and temperatures. No. 730-2 is NLGI GC-LB certified.

LUBRIPLATE PRODUCT	*PRODUCT PART NO.	NLGI GRADE	OIL VIS. cSt/SUS @ 40°C/100°F	WORKED PENETRATION	ASTM DROP POINT	APPROX. COLD TEST	AW/EP	RUST/OXID. ADDITIVES	WATER RESISTANT	APPLICATIONS / COMMENTS
730-0	L0083-	0	151 / 800	355 / 385	465°F / 241°C	-10°F / -23°C	AW/EP	YES	YES	Centralized systems adverse conditions.
730-1	L0084-	1	151 / 800	310 / 340	540°F / 282°C	-10°F / -23°C	AW/EP	YES	YES	Industrial / const. equip. adverse conditions.
730-2	L0085-	2	151 / 800	265 / 295	560°F / 293°C	-10°F / -23°C	AW/EP	YES	YES	Industrial / const. equip. adverse conditions.

\*730 Series Greases are available in Cans, Pails, 1/4 Drums & Drums, No. 730-2 is also available in Cartridges. See page 15 for package part number suffix.

## 930 Series: High Temperature, Bentone Type Greases.

Formulated for higher temperature applications. They are shear stable, multi-purpose greases for both plain and anti-friction bearings. This series works well up to 375°F / 191°C and for short intervals up to 400°F / 204°C Available in 4 NLGI densities for a wide range of applications.

LUBRIPLATE PRODUCT	*PRODUCT PART NO.	NLGI GRADE	OIL VIS. cSt/SUS @ 40°C/100°F	WORKED PENETRATION	ASTM DROP POINT	APPROX. COLD TEST	AW/EP	RUST/OXID. ADDITIVES	WATER RESISTANT	APPLICATIONS / COMMENTS
930-AAA	L0098-	0	167 / 900	355 / 385	NON-MELT	-10°F / -23°C	AW/EP	YES	YES	Centralized, enclosed gears, no seals.
930-AA	L0096-	1	135 / 750	310 / 340	NON-MELT	0°F / -18°C	AW/EP	YES	YES	High temperatures, automatic dispensers.
930-2	L0100-	2	135 / 750	265 / 295	NON-MELT	10°F / -12°C	AW/EP	YES	YES	Multi-purpose, high temperatures.
930-A	L0095-	2.5	135 / 750	235 / 260	NON-MELT	20°F / -7°C	AW/EP	YES	YES	High temperatures, grease cups.

\*930 Series Greases are available in Cartridges, Tubes, Cans, Pails, 1/4 Drums & Drums. See page 15 for package part number suffix.

## 100 & 130 Series: Calcium Type Greases.

These water resistant greases are designed for plain bearings, cams, slides, and other light-duty applications where temperatures do not exceed 170°F / 77°C.

LUBRIPLATE PRODUCT	*PRODUCT PART NO.	NLGI GRADE	OIL VIS. cSt/SUS @ 40°C/100°F	WORKED PENETRATION	ASTM DROP POINT	APPROX. COLD TEST	AW/EP	RUST/OXID. ADDITIVES	WATER RESISTANT	APPLICATIONS / COMMENTS
105	L0034-	0	58 / 300	355 / 385	170°F / 77°C	-30°F / -34°C	AW	YES	YES	Cams, slides, motor assembly.
107	L0036-	1	58 / 300	310 / 340	180°F / 82°C	-10°F / -23°C	AW	YES	YES	Non-staining concrete form release.
110	L0037-	2.5	58 / 300	235 / 260	190°F / 88°C	-10°F / -23°C	AW	YES	YES	Brake lubricant. Not for disc brakes.
115	L0040-	4	58 / 300	185 / 215	210°F / 99°C	10°F / -12°C	AW	YES	YES	Water pump lubricant.
130-AA	L0044-	1	135 / 750	310 / 340	190°F / 88°C	10°F / -12°C	AW/EP	YES	YES	Plain Bearings, chassis lube.
130-A	L0043-	2.5	135 / 750	235 / 260	200°F / 93°C	20°F / -7°C	AW/EP	YES	YES	Cams, guides, open gears.

\*100 & 130 Series Greases are available in Tubes, Cans, Pails, 1/4 Drums & Drums. See page 15 for package part number suffix.

# Multi-Purpose Greases For Special Conditions

## 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.

LUBRIPLATE PRODUCT	*PRODUCT PART NO.	NLGI GRADE	OIL VIS. cSt/SUS @ 40°C/100°F	WORKED PENETRATION	ASTM DROP POINT	APPROX. COLD TEST	AW/EP	RUST/OXID. ADDITIVES	WATER RESISTANT	APPLICATIONS / COMMENTS
HIGH TEMP	L0161-	2	497 / 2600	265 / 295	NON-MELT	10°F / -12°C	AW	YES	YES	Multi-Purpose, high temp. applications

\*HIGH TEMP is available in Cartridges, Cans, Pails, 1/4 Drums & Drums. See page 15 for package part number suffix.

## Low Temp: Multi-Purpose, Anhydrous Calcium Based Grease For Cold Temperatures.

Excellent multi-purpose low temperature grease. For cold temperature applications down to -60°F / -51°C.

LUBRIPLATE PRODUCT	*PRODUCT PART NO.	NLGI GRADE	OIL VIS. cSt/SUS @ 40°C/100°F	WORKED PENETRATION	ASTM DROP POINT	APPROX. COLD TEST	AW/EP	RUST/OXID. ADDITIVES	WATER RESISTANT	APPLICATIONS / COMMENTS
LOW TEMP	L0172-	1.5	16 / 90	290 / 320	280°F / 138°C	-60°F / -51°C	AW	YES	YES	Cold temps., multi-purpose, fifth wheels.

\*LOW TEMP is available in Cartridges, Tubes, Cans, Pails, 1/4 Drums & Drums. See page 15 for package part number suffix.

# Greases For Special Applications / Conditions

## MAG-1 & MAG-00: Lithium Polymer Type Greases For Wide Range Of Temperatures.

These multi-purpose, lithium polymer greases have a wide operating temperature range for variety of applications from -60°F / -51°C up to 300°F / 149°C.

LUBRIPLATE PRODUCT	*PRODUCT PART NO.	NLGI GRADE	OIL VIS. cSt / SUS @ 40°C / 100°F	WORKED PENETRATION	ASTM DROP POINT	APPROX. COLD TEST	AW/EP	RUST/OXID. ADDITIVES	WATER RESISTANT	APPLICATIONS / COMMENTS
<b>MAG-1</b>	L0189-	1	23 / 120	310/340	375°F / 191°C	-60°F / -51°C	AW/EP	YES	YES	Cold & wide temp. range, multi-purpose.
<b>MAG-00</b>	L0186-	00	23 / 120	SEMI-FLUID	340°F / 171°C	-60°F / -51°C	AW/EP	YES	YES	Centralized systems, leaking gearboxes.

\*MAG-1 is available in Cartridges, Cans, Pails, 1/4 Drums & Drums. MAG-00 is available in Bottles, Jugs, Pails, 1/4 Drums & Drums. See page 15 for package part number suffix.

## Aero: Lithium Based, Low Temperature Grease.

For cold temperature applications down to -60°F. / -51°C. Provides low-torque start-up capability, excellent corrosion and oxidation resistance and wide compatibility with metals, plastic, and rubber. Excellent for garage door mechanisms.

LUBRIPLATE PRODUCT	*PRODUCT PART NO.	NLGI GRADE	OIL VIS. cSt / SUS @ 40°C / 100°F	WORKED PENETRATION	ASTM DROP POINT	APPROX. COLD TEST	AW/EP	RUST/OXID. ADDITIVES	WATER RESISTANT	APPLICATIONS / COMMENTS
<b>AERO</b>	L0113-	1	19 / 100	310 / 340	350°F / 177°C	-60°F / -51°C	AW	YES	YES	Cold temps., trailer landing gears, garages.

\*AERO is available in Tubes, Cans, Pails, 1/4 Drums, & Drums. See page 15 for package part number suffix.

## No. 5555: Anhydrous Calcium, Semi-Fluid Type Lubricant.

This semi-fluid type lubricant is made for automatic lubricating systems operating in cold environments.

LUBRIPLATE PRODUCT	*PRODUCT PART NO.	NLGI GRADE	OIL VIS. cSt / SUS @ 40°C / 100°F	WORKED PENETRATION	ASTM DROP POINT	APPROX. COLD TEST	AW/EP	RUST/OXID. ADDITIVES	WATER RESISTANT	APPLICATIONS / COMMENTS
<b>5555</b>	L0109-	000	16 / 90	SEMI-FLUID	315°F / 157°C	-60°F / -51°C	AW	YES	YES	Automatic lube systems, light oil, cold temps.

\*No. 5555 is available in Bottles, Jugs, Pails, 1/4 Drums, & Drums. See page 15 for package part number suffix.

## EMB: Lithium Polymer Type, High Speed Electric Motor Bearing Grease.

Developed specifically for the lubrication of electric motor bearings, fans and other high speed grease type ball and roller bearings.

LUBRIPLATE PRODUCT	*PRODUCT PART NO.	NLGI GRADE	OIL VIS. cSt / SUS @ 40°C / 100°F	WORKED PENETRATION	ASTM DROP POINT	APPROX. COLD TEST	AW/EP	RUST/OXID. ADDITIVES	WATER RESISTANT	APPLICATIONS / COMMENTS
<b>EMB</b>	L0148-	2	100 / 500	265 / 295	390°F / 199°C	-20°F / -29°C	AW/EP	YES	YES	Electric motor bearings, fans, air handlers.

\*EMB is available in Cartridges, Cans, Pails, 1/4 Drums & Drums. See page 15 for package part number suffix.

## Poly HP-2: Polyurea-Thickened Type Grease.

Formulated with the highest quality paraffinic base oils available. Excellent for high-speed electric motor bearings and other industrial applications.

LUBRIPLATE PRODUCT	*PRODUCT PART NO.	NLGI GRADE	OIL VIS. cSt / SUS @ 40°C / 100°F	WORKED PENETRATION	ASTM DROP POINT	APPROX. COLD TEST	AW/EP	RUST/OXID. ADDITIVES	WATER RESISTANT	APPLICATIONS / COMMENTS
<b>Poly HP-2</b>	L0191-	2	128 / 650	265 / 295	500°F / 260°C	-	AW	YES	YES	Electric motor bearings.

\*Poly HP-2 is available in Cartridges, Pails & 1/4 Drums. See page 15 for package part number suffix.

## Greases For Open Gearing



## Gear Shield Series: Lithium Based, Open Gear Grease.

Made for all types of open gears. Available in 4 formulas for a variety of conditions and temperatures. Gear Shield Extra Heavy is for adverse conditions.

LUBRIPLATE PRODUCT	*PRODUCT PART NO.	NLGI GRADE	OIL VIS. cSt / SUS @ 40°C / 100°F	WORKED PENETRATION	ASTM DROP POINT	APPROX. COLD TEST	AW/EP	RUST/OXID. ADDITIVES	WATER RESISTANT	APPLICATIONS / COMMENTS
<b>Gear Shield</b>	L0150-	1	237 / 1250	310 / 340	350°F / 177°C	-20°F / -29°C	AW	YES	YES	Open gears, normal conditions.
<b>G.S. Heavy</b>	L0151-	2	432 / 2000	265 / 295	365°F / 185°C	10°F / -12°C	AW	YES	YES	Open gears, normal conditions.
<b>G.S. Low Temp</b>	L0173-	2	58 / 300	265 / 295	400°F / 204°C	-20°F / -29°C	AW	YES	YES	Open gears, slides, fifth wheels, low temps.
<b>G.S. X-Heavy</b>	L0152-	2.5	432 / 2000	235 / 260	370°F / 188°C	20°F / -7°C	AW	YES	YES	Open gears, adverse conditions.

\*Gear Shield Series Greases are available in Cans, Pails, 1/4 Drums & Drums. Gear Shield X-Heavy also available in Aerosol and Caulk Type Cartridges. See page 15 for package part number suffix.

## No. 176: Inorganic / Organic, Open Gear Grease for Centralized Systems. No Solvents.

This adhesive, semi-fluid grease is for all types of open gears lubricated by centralized systems. Provides good pumpability without the use of harmful solvents.

LUBRIPLATE PRODUCT	*PRODUCT PART NO.	NLGI GRADE	OIL VIS. cSt / SUS @ 40°C / 100°F	WORKED PENETRATION	ASTM DROP POINT	APPROX. COLD TEST	AW/EP	RUST/OXID. ADDITIVES	WATER RESISTANT	APPLICATIONS / COMMENTS
<b>No. 176</b>	L0054-	00	313 / 1650	400 / 430	NON-MELT	5°F / -15°C	AW/EP	YES	YES	Open gears lubricated centralized systems.

\*No. 176 is available in Pails, 1/4 Drums & Drums. See page 15 for package part number suffix.



# Petroleum Based, Gear, Bearing & Recirculating Oils

## SPO Series: Extra-Duty Anti-Wear, Rust & Oxidation Inhibited (R&O) Gear and Bearing Oils.

SPO series of petroleum based oils is specifically designed for industrial applications such as gear cases, bearings, chains, machine ways, and general oiling. These tacky lubricants will provide anti-wear lubrication for high sliding action in worm gears. They are also excellent for bevel, helical, and spur gears. SPO Lubes can be used with silver alloy, copper, and copper alloy bearings. Excellent for use in high moisture and high temperature applications. Provides performance comparable to synthetic lubricants.

SPO-MG is a semi-synthetic lubricant formulated with a unique blend of synthetic hydrocarbon and mineral oil base stocks. This base stock combination results in exceptional thermal and oxidation stability, extended drain intervals and improved performance. Meets the viscosity requirements of SAE 80W and SAE 140 gear oils.

LUBRIPLATE PRODUCT	*PRODUCT PART NO.	ISO VIS. GRADE	AGMA NO.	SAE GEAR OIL NO.	SAE NO.	VIS. cSt @40°C / 100°C	VIS. SUS @100°F / 210°F	VIS. INDEX	FLASH POINT	FIRE POINT	POUR POINT
SPO-222	L0242-	68	2	80W	20W	63 / 9	317 / 55	109	415°F / 213°C	465°F / 241°C	-30°F / -34°C
SPO-233	L0243-	100	3	80W	30	91 / 11	464 / 63	103	450°F / 232°C	500°F / 260°C	-35°F / -37°C
SPO-244	L0244-	150	4	90	40	135 / 14	685 / 75	102	460°F / 238°C	525°F / 274°C	-25°F / -32°C
SPO-255	L0245-	220	5	90	50	200 / 19	1044 / 95	103	465°F / 241°C	560°F / 293°C	-10°F / -23°C
SPO-266	L0246-	320	6	90	60	280 / 23	1476 / 115	102	470°F / 243°C	570°F / 299°C	10°F / -12°C
SPO-277	L0247-	460	7	140	70	432 / 30	2260 / 148	101	475°F / 246°C	580°F / 304°C	15°F / -9°C
SPO-288	L0248-	680	8	250	-	628 / 38	3314 / 184	98	425°F / 218°C	525°F / 274°C	10°F / -12°C
SPO-299	L0249-	1000	8A	250	-	950 / 50	5100 / 245	99	450°F / 232°C	505°F / 263°C	10°F / -12°C
SPO-MG	L0252-	220	6	80W-140	60	237 / 25	1223 / 123	120	425°F / 218°C	465°F / 241°C	-25°F / -32°C

\*SPO Series Oils are available in Bottles, Jugs, Pails, 1/4 Drums & Drums. See page 15 for package part number suffix.

## APG Series: Heavy-Duty, Extreme Pressure (EP) Petroleum-Based Gear Oils.

These heavy-duty, extreme pressure type oils were developed to meet gear oil needs of most automotive, truck, heavy equipment and industrial gear boxes requiring an extreme pressure type oil. Meets military specification MIL-PRF-2105E and MIL-L-2105D and API categories GL-3, GL-4, GL-5, MT-1.

LUBRIPLATE PRODUCT	*PRODUCT PART NO.	ISO VIS. GRADE	AGMA NO.	SAE GEAR OIL NO.	SAE NO.	VIS. cSt @40°C / 100°C	VIS. SUS @100°F / 210°F	VIS. INDEX	FLASH POINT	FIRE POINT	POUR POINT
APG-75	L0116-	32	-	75W	10W	31 / 6	152 / 44	113	350°F / 177°C	365°F / 185°C	-55°F / -48°C
APG-80	L0117-	68	2 EP	80W	20	67 / 9	356 / 58	113	380°F / 193°C	440°F / 227°C	-35°F / -37°C
APG 80W-90	L0030-	100	3 EP	80W-90	40	124 / 15	650 / 84	121	380°F / 193°C	410°F / 210°C	-35°F / -37°C
APG-90	L0118-	150	5 EP	90	50	156 / 16	816 / 86	112	395°F / 202°C	440°F / 227°C	-20°F / -29°C
APG 80W-140	L0124-	320	6 EP	80W-140	60	248 / 25	1300 / 125	120	380°F / 193°C	410°F / 210°C	-25°F / -32°C
APG-140	L0119-	460	7 EP	85W-140	70	410 / 31	2220 / 152	107	405°F / 207°C	440°F / 227°C	0°F / -18°C
APG-250	L0120-	680	8 EP	250	-	701 / 42	3700 / 203	100	390°F / 199°C	450°F / 232°C	5°F / -15°C

\*APG Series Oils are available in Bottles, Jugs, Pails, 1/4 Drums & Drums, APG 90 is also available in Tubes. See page 15 for package part number suffix.

## CP-8A: Compounded (CP) Petroleum-Based Gear Oil.

This non-EP oil is manufactured with acidless tallow as required to meet AGMA specification 8A Comp. It is recommended for use in cone drives and double-enveloping worm gear drives.

LUBRIPLATE PRODUCT	*PRODUCT PART NO.	ISO VIS. GRADE	AGMA NO.	SAE GEAR OIL NO.	SAE NO.	VIS. cSt @40°C / 100°C	VIS. SUS @100°F / 210°F	VIS. INDEX	FLASH POINT	FIRE POINT	POUR POINT
CP-8A	L0141-	1000	8A COMP	250	-	950 / 47	4950 / 230	95	550°F / 288°C	600°F / 316°C	35°F / 2°C

\*CP-8A is available in Pails, 1/4 Drums & Drums. See page 15 for package part number suffix.

## Machine Tool Oils: Petroleum-Based Machine Oils.

Compounded to impart a unique load carrying film, exceptional lubricity, and anti-friction properties not found in conventional oils of the same viscosity.

LUBRIPLATE PRODUCT	*PRODUCT PART NO.	ISO VIS. GRADE	AGMA NO.	SAE GEAR OIL NO.	SAE NO.	VIS. cSt @40°C / 100°C	VIS. SUS @100°F / 210°F	VIS. INDEX	FLASH POINT	FIRE POINT	POUR POINT
NO. 0	L0000-	7-10	-	-	5W	9 / -	56 / 34	-	275°F / 135°C	295°F / 146°C	-60°F / -51°C
NO. 1	L0002-	22	-	-	10W	22 / -	115 / 38	-	345°F / 174°C	360°F / 182°C	-50°F / -46°C
NO. 2	L0003-	46	1	75W	20	45 / -	228 / 45	96	365°F / 185°C	385°F / 196°C	-30°F / -34°C
NO. 3V	L0009-	68	2	80W	20	62 / -	326 / 48	98	380°F / 193°C	395°F / 202°C	-25°F / -32°C
NO. 3	L0005-	100	3	80W	30	92 / -	490 / 58	98	390°F / 199°C	410°F / 210°C	-25°F / -32°C
NO. 4	L0011-	150	4	90	40	162 / 13	854 / 72	98	420°F / 216°C	450°F / 232°C	-20°F / -29°C
NO. 8	L0014-	460	7	140	70	432 / 28	2300 / 142	90	435°F / 224°C	515°F / 268°C	0°F / -18°C

\*Machine Tool Oils are available in Bottles, Jugs, Pails, 1/4 Drums & Drums. See page 15 for package part number suffix.

## Specialty Greases

**X-357:** A special extreme pressure moly-fortified lubricant that penetrates and adheres, water resistant. Use on pintle hooks, slide axles, open gears, fifth wheels. Product Part No. L0149-. See page 15 for packaging information.

**NO. 777:** This special grease lubricant has been approved by Ford Motor Co. specification ESF-M1C-26-A for use as a starter motor shaft lubricant. Also approved for starter drives on Evinrude / Johnson outboards. Product Part No. L0081-. See page 15 for packaging information.

**NO. 105 Motor Assembly Grease:** A smooth, light bodied, water-repellent grease that is applied to engine bearings, cylinder walls and other moving internal engine parts. Provides lubrication and protects parts from scuffing and scoring during initial start up before the motor oil circulates. Prevents rust on newly machined engine parts. Will not clog filters or oil lines. Product Part No. L0034-. See page 15 for packaging information.

**NO. 107 Concrete Form Release:** This soft grease can easily be sprayed on form contact surfaces providing immediate release once the concrete is set. White in color, it will not stain the casting. Product Part No. L0036-. See page 15 for packaging information.

**DS-ES Electric Switch Lubricant:** Developed for the lubrication of electrical switch contacts. Used extensively in the automotive industry for switches, sockets, and wiring harness connectors. Excellent oxidation resistance and compatibility with metal, plastic and rubber. Product Part No. L0137-. See page 15 for packaging information.

**GR-132 Portable Tool Grease:** A light viscosity oil combined with a lithium combination thickener makes GR-132 ideal for applications where fluid friction must be kept to a minimum. Ideal for the small gear cases in portable tools. Product Part No. L0158-. See page 15 for packaging information.

**Brick Grease:** This NLGI No. 6 grade sodium type grease was developed for the lubrication of open slot and open well type bearings where the brick grease rides directly on the bearing shaft. Package / case 4/10 lb. Bricks 43 lbs. net. Part No. L0131-038.

**Lithium Brick Grease:** This NLGI No. 6 grade lithium grease is recommended for open slot and open well type bearings where the brick grease rides directly on the bearing shaft. Package / case 4/10 lb. Bricks, Part No. L0132-038.

## Specialty Oils & Fluids

**Air Tool Lubricant:** Designed for both rotary and reciprocating types of air tools such as hammers, impact wrenches, air motors, grinders, reamers and drills. Proven excellent air line lubricant, used effectively on lift cylinders of can fillers in breweries, bottling plants. Removes gumming and sludge. Product Part No. L0713-.

**Jack Oil:** A heavy-duty, high pressure hydraulic oil, anti-wear and anti-corrosion additives. Product Part No. L0768-.

**Bar & Chain Oil:** Formulated with special anti-wear additives to provide maximum protection to the bar and chain of all makes of chain saws. SAE grade 20. Good adhesion properties provide excellent resistance to "throw off" action. Part No. L0720-.

**Chain & Cable Fluid / Chain & Cable Heavy:** Superior penetrating oils that clean and lubricate without gumming. Ideal for wire rope, chains, cables, hinges, springs, slides and other moving metal parts. Protects bright work. Excellent oils to loosen rusty nuts and bolts. Ideal for tapping and drilling. Part Nos. L0135- and L0136-. See page 15 for packaging information and package part number suffix.

**Super Chain Oil:** A heavy polymer, tenacious, high flash point oil containing micro-fine graphite. Excellent for bakery ovens, drying ovens where temperatures do not exceed 450°F. / 232°C. Works well on floor chain conveyors, car wash lines, assembly lines. Flash point 520°F. / 271°C. Fire point 600°F. / 316°C. Product Part No. L0857-. See page 15 for packaging information and package part number suffix.

**Synthetic Worm Gear Lubricant:** This high performance, ISO 460 grade, synthetic gear lubricant is recommended for all types of worm gear reducers. Product Part No. L0981-. See page 15 for packaging information and package part number suffix.

**Syn Flush:** This premium quality, pure synthetic fluid is designed to clean and dissolve varnish deposits in air compressors while the compressor is in operation. It is compatible with petroleum/mineral oils as well as all Lubriplate Synthetic Compressor Fluids. Recommended for flushing compressors converting from petroleum base oils to synthetic fluids. SYNFLUSH can be used in its pure form in rotary screw air compressors up to 500 hours. Part No. L0962-.

**Heat Transfer Oils:** These high flash and fire point oils are designed for exceptional heat transfer properties. For use on oil type heat exchangers in asphalt plants, roofer tar kettles, curing machines. Flash point 525°F. / 274°C. Fire Point 600°F. / 316°C. Available in ISO viscosity grades 32, Part No. L0757-, 68, Part No. L0751-, and 150 Part No. L0750-. Available in Pails & Drums. See page 15 for package part number suffix.

**Rock Drill Oils 10R, 30R:** For all types of rock drills, air hammers and other pneumatic tools used in the construction and mining industries. Available in SAE 10W, Part No. L0847-, and 30, Part No. L0848-, with the lighter weight oil for cold weather conditions. Use SPO-255 for SAE 50 rock drill oil.

**Mist Oil:** Designed to meet optimum requirements of mist applicators or fogging oil systems. The use of special oils and additives assures proper misting qualities. Mist oil provides superior wear protection against heavy loads. For machine tools, grinders, conveyor systems. SAE 30. Part No. L0177-.

**Vacuum Pump Oil & Vacuum Pump Oil Light:** High performance, non-detergent mineral oils recommended for most rotary vane and rotary lobe vacuum pumps. They are designed to alleviate the sludge, carbon deposits and contamination problems commonly found in industrial vacuum pumps. Lubriplate Vacuum Pump Oil Light is recommended for vacuum pumps typically associated with delicate instrumentation. Vacuum Pump Oil is SAE-30 / ISO-100 grade. Part No. L0945-. Vacuum Pump Oil Light is SAE-10 / ISO-32 grade. Part NO. L0944-.

**HO Special Hydraulic Oils:** HO-32, HO-46\* and HO-68 meet the requirements and are approved by Abex-Denison HF-0 and HF-2, they are also accepted by Vickers specification M-2950-S. \*Lubriplate HO-46 is approved by Cincinnati-Milacron under Specification P-70. Product Part Nos. HO-32, L0770-, HO-46, L0771-, HO-68, L0772-. See page 15 for packaging information.



## SFGO Ultra Series: Polyalphaolefin (PAO)-Based, High-Performance Fluids.

Formulated with 100% PAO synthetic base fluids for a variety of demanding applications. They are outstanding lubricants for use under severe conditions subject to extremely high or low temperatures. They exhibit outstanding oxidation resistance and thermal stability capabilities. Recommended for air compressors, hydraulic systems, bearings, gearboxes, pumps and chains which experience very demanding conditions. Meets FDA 21 CFR 178.3570 and FDA 21 CFR 172.882 for applications where incidental contact with the edible product may occur. SFGO Ultra 220 and 460 pass 12 stages of the FZG Test.

LUBRIPLATE PRODUCT	*PRODUCT PART NO.	ISO VIS. GRADE	AGMA NO.	SAE GEAR OIL NO.	SAE NO.	VIS. cSt @40°C / 100°C	VIS. SUS @100°F / 210°F	VIS. INDEX	FLASH POINT	FIRE POINT	POUR POINT
SFGO Ultra-7	L0912-	7	-	-	5W	7 / 2	51 / 34	137	320°F / 160°C	350°F / 176°C	-75°F / -60°C
SFGO Ultra-15	L0930-	15	-	-	5W	16 / 4	89 / 40	129	380°F / 93°C	410°F / 210°C	-70°F / -57°C
SFGO Ultra-22	L0931-	22	-	-	5W	20 / 4	106 / 41	128	405°F / 207°C	430°F / 221°C	-65°F / -54°C
SFGO Ultra-32	L0915-	32	-	75	10	31 / 6	160 / 46	130	465°F / 241°C	515°F / 268°C	-70°F / -57°C
SFGO Ultra-46	L0916-	46	1	80	20	45 / 8	220 / 52	134	480°F / 249°C	520°F / 271°C	-65°F / -54°C
SFGO Ultra-68	L0917-	68	2	80	30	67 / 10	325 / 59	125	495°F / 257°C	545°F / 285°C	-60°F / -51°C
SFGO Ultra-100	L0983-	100	3	85	40	105 / 16	556 / 77	158	515°F / 268°C	560°F / 293°C	-65°F / -54°C
SFGO Ultra-150	L0984-	150	4	90	50	151 / 20	762 / 97	156	510°F / 265°C	555°F / 291°C	-60°F / -51°C
SFGO Ultra-220	L0985-	220	5	90	50	216 / 26	1088 / 128	155	510°F / 265°C	555°F / 291°C	-50°F / -46°C
SFGO Ultra-320	L0986-	320	6	140	60	312 / 34	1557 / 161	155	505°F / 263°C	550°F / 288°C	-50°F / -46°C
SFGO Ultra-460	L0987-	460	7	140	-	446 / 45	2143 / 211	156	505°F / 263°C	550°F / 288°C	-45°F / -43°C
SFGO Ultra-680	L0988-	680	8	250	-	623 / 57	3289 / 275	157	500°F / 260°C	545°F / 285°C	-45°F / -43°C
SFGO Ultra-1000	L0989-	1000	-	-	-	950 / 77	4900 / 372	157	500°F / 260°C	545°F / 285°C	-35°F / -37°C

\*SFGO Ultra Fluids are available in Jugs, Pails, 1/4 Drums & Drums. See page 15 for package part number suffix.

## SFGO Series: Polyalphaolefin (PAO)-Based, Multi-Purpose Fluids.

The original SFGO fluids, ISO viscosity grades 100 through 1500 are still available for less stressful applications which require only a PAO/Polymer combination synthetic fluid.

## SYN-H1-220: Polyalkylene Glycol Based Synthetic Chain, Bearing and Gearbox Lubricant.

Specifically designed for use where elevated temperatures exist and the need for a food grade lubricant is required. For chain applications where air temperatures exceed 400°F / 204°C and up to 600°F / 316°C. when not exposed to open flame or ignition source. Passes 12 stages of FZG test.

LUBRIPLATE PRODUCT	*PRODUCT PART NO.	ISO VIS. GRADE	AGMA NO.	SAE GEAR OIL NO.	SAE NO.	VIS. cSt @40°C / 100°C	VIS. SUS @100°F / 210°F	VIS. INDEX	FLASH POINT	FIRE POINT	POUR POINT
SYN-H1-220	L0779-	220	5	90	-	285 / 41	1310 / 188	206	540°F / 282°C	550°F / 288°C	-20°F / -29°C

\*SYN-H1-220 Fluid is available in Pails & Drums. See page 15 for package part number suffix.

## RCO-68: Polyalphaolefin (PAO)-Based, Food Machinery Grade, Refrigeration Compressor Fluid.

Formulated for use in refrigeration compressor systems where a NSF H-1 Registered, food machinery grade lubricant is required.

LUBRIPLATE PRODUCT	*PRODUCT PART NO.	ISO VIS. GRADE	AGMA NO.	SAE GEAR OIL NO.	SAE NO.	VIS. cSt @40°C / 100°C	VIS. SUS @100°F / 210°F	VIS. INDEX	FLASH POINT	FIRE POINT	POUR POINT
RCO-68	L0818-	68	2	80	30	67 / 10	325 / 59	125	495°F / 257°C	545°F / 285°C	-60°F / -51°C

\*RCO-68 Fluid is available in Pails & Drums. See page 15 for package part number suffix.

# Synthetic Food Machinery Grade Greases / Class H-1\*

## SYNXTREME FG-2: Synthetic, Calcium Sulfonate Complex, Food Machinery Grade Grease.

A NSF H-1 registered, high performance, multi-purpose, synthetic, food machinery grade grease. Provides long lasting, anti-wear and extreme pressure protection. It is highly resistant to water and caustic solution wash downs. Provides excellent high and low temperature performance.

LUBRIPLATE PRODUCT	*PRODUCT PART NO.	NLGI DENSITY	OIL VIS. cSt/SUS @40°C / 100°F	WORKED PENETRATION	ASTM DROP POINT	APPROX COLD TEST	AW / EP	RUST & OXID. ADDITIVES	WATER RESISTANT
SYNXTREME FG-2	L0305-	2	100 / 500	265 / 295	700°F / 371°C	-40°F / -40°C	AW/EP	YES	YES

\*SYNXTREME FG-2 is available in Cartidges, Pails, 1/4 Drums & Drums. See page 15 for package part number suffix.

## SFL Series: Multi-Purpose, Synthetic, Aluminum Complex, Food Machinery Grade Greases.

This series provides an exceptionally wide operating temperature range, high shear stability, excellent water resistance, and load carrying properties. For use in freezers and other cold temperature applications or in areas subject to both cold and elevated temperatures. Available in 4 densities.

LUBRIPLATE PRODUCT	*PRODUCT PART NO.	NLGI DENSITY	OIL VIS. cSt/SUS @40°C / 100°F	WORKED PENETRATION	ASTM DROP POINT	APPROX COLD TEST	AW / EP	RUST & OXID. ADDITIVES	WATER RESISTANT
SFL-00	L0195-	00	39 / 200	400 / 430	400°F / 204°C	-60°F / -51°C	AW	YES	YES
SFL-0	L0196-	0	39 / 200	355 / 385	425°F / 218°C	-60°F / -51°C	AW	YES	YES
SFL-1	L0197-	1	39 / 200	310 / 340	450°F / 232°C	-60°F / -51°C	AW	YES	YES
SFL-2	L0198-	2	219 / 1070	265 / 295	500°F / 260°C	-25°F / -32°C	AW	YES	YES

\*SFL Series Greases are available in Cartidges, Pails, 1/4 Drums & Drums. See page 15 for package part number suffix.

\*Lubriplate H-1 Class Lubricants are manufactured with ingredients that comply with FDA 21 CFR 178.3570 for lubricants with incidental contact with the edible product. NSF H-1 Registered.

## FMO-AW Series: Multi-Purpose, Food Grade USP White Mineral Oils.

For use where a Class H-1 oil is required. Manufactured in nine ISO grades for a variety of applications. Anti-wear fortified. NOTE: FMO-350AW is also available in a red and orange color which helps in leak detection. The original FMO Series products without the anti-wear additive system are still available.

LUBRIPLATE PRODUCT	*PRODUCT PART NO.	ISO VIS. GRADE	AGMA NO.	SAE GEAR OIL NO.	SAE NO.	VIS. cSt @40°C / 100°C	VIS. SUS @100°F / 210°F	VIS. INDEX	FLASH POINT	FIRE POINT	POUR POINT
<b>FMO-85 AW</b>	L0880-	15-22	-	-	5W	19 / 4	103 / 40	112	335°F / 168°C	365°F / 185°C	-45°F / -43°C
<b>FMO-150 AW</b>	L0879-	32	-	-	10W	32 / 5	162 / 43	71	370°F / 188°C	415°F / 213°C	-30°F / -34°C
<b>FMO-200 AW</b>	L0881-	46	1	75	10	41 / 6	208 / 48	111	375°F / 191°C	405°F / 207°C	-25°F / -32°C
<b>FMO-350 AW</b>	L0882-	68	2	80	20	68 / 8	348 / 56	103	435°F / 224°C	490°F / 254°C	-10°F / -23°C
<b>FMO-500 AW</b>	L0883-	100	3	80	30	99 / 11	523 / 66	102	495°F / 257°C	545°F / 285°C	0°F / -18°C
<b>FMO-900 AW</b>	L0884-	150	4	90	40	160 / 15	856 / 83	99	450°F / 232°C	540°F / 282°C	0°F / -18°C
<b>FMO-1100 AW</b>	L0886-	220	5	90	50	210 / 19	1126 / 97	100	440°F / 227°C	510°F / 266°C	5°F / -15°C
<b>FMO-1700 AW</b>	L0887-	320	6	140	60	324 / 25	1730 / 120	95	430°F / 221°C	505°F / 263°C	5°F / -15°C
<b>FMO-2400 AW</b>	L0885-	460	7	140	70	456 / 30	2350 / 142	93	425°F / 218°C	505°F / 263°C	10°F / -12°C
<b>FMO-3800 AW</b>	L0888-	680	8	250	-	690 / 40	3864 / 198	96	420°F / 216°C	485°F / 252°C	15°F / -9°C

\*FMO Series Oils are available in Bottles, Jugs, Pails, 1/4 Drums & Drums, See page 15 for more information and package part number suffix.

**Food Grade Cooker Oil:** This zinc free oil is designed for use in the Manzel Lubricators and Micro-valve systems found on most cookers and sterilizers used in canning operations and other similar applications involving high temperature and high humidity conditions. Unique additives provide high load-carrying ability and corrosion protection.

**STO-FG Oil:** Special, non-corrosive oil for lubricating stirrups on bottle filling machines. Class H-1.

**PM 500 White Oil:** This oil contains emulsifying agents that wet the lubricated surfaces and provides an oily film for the moving parts. Used very successfully on pear machines.

**FP-150 & FP-150L:** These clear, tacky, adhesive Class H-1 oils resist heavy water washdown and steam. For helical gearboxes, chains, linkages, cams, and slides and wherever a dripleak, adhesive fluid lubricant is desired.

**Pure Flush:** This lubricating, flushing and cleansing oil is to be used along with the existing lubricant to clean equipment without dismantling. It can be used to clean and flush bearings, gear cases, hydraulic systems, centralized lubricating systems, air lines, chains and air tools. It is fully compatible with petroleum based lubricants and most petroleum compatible synthetics. Class H-1.

LUBRIPLATE PRODUCT	*PRODUCT PART NO.	ISO VIS. GRADE	AGMA NO.	SAE GEAR OIL NO.	SAE NO.	VIS. cSt @40°C / 100°C	VIS. SUS @100°F / 210°F	VIS. INDEX	FLASH POINT	FIRE POINT	POUR POINT
<b>FG Cooker Oil</b>	L0701-	150	4	90	40	155 / 16	795 / 82	104	475°F / 246°C	525°F / 274°C	5°F / -15°C
<b>STO-FG</b>	L0863-	68	2	80	20	67 / 13	340 / 70	105	425°F / 218°C	485°F / 252°C	-15°F / -26°C
<b>PM-500</b>	L0192-	100	3	80	30	101 / 11	560 / 64	86	420°F / 216°C	485°F / 252°C	-5°F / -21°C
<b>FP-150</b>	L0735-	460	7	140	70	367 / 25	1950 / 127	93	395°F / 202°C	455°F / 235°C	0°F / -18°C
<b>FP-150L</b>	L0736-	100	3	80	30	103 / 12	510 / 67	108	410°F / 210°C	450°F / 232°C	-5°F / -21°C
<b>Pure Flush</b>	L0816-	-	-	-	-	7 / 2	50 / 32	-	210°F / 99°C	220°F / 104°C	-35°F / -37°C

\*See page 15 for the package part number suffix which identifies the available packaging. Not all products are available in every package size.

## Food Machinery Oils / Class H-2\*\*

**No. 72-C Oil:** Class H-2\*\* oil, for use as a steam peeler oil as it provides an oiliness film which prevents chatter.

**No. 78 Cooker Oil:** Class H-2\*\* oil, for use in Manzel lubricators for A-B cookers and sterilizers, FMC cookers. Corrosion and oxidation resistant.

**STO-4 Oil:** Special, non-corrosive oil for lubricating stirrups on bottle filling machines. Class H-2.\*\*

**AS-148 Oil:** An ashless oil for bearings, gears and cams where high temps are encountered. For Manzel lubricators and Angelus Seamers. Class H-2.\*\*

LUBRIPLATE PRODUCT	*PRODUCT PART NO.	ISO VIS. GRADE	AGMA NO.	SAE GEAR OIL NO.	SAE NO.	VIS. cSt @40°C / 100°C	VIS. SUS @100°F / 210°F	VIS. INDEX	FLASH POINT	FIRE POINT	POUR POINT
<b>72-C</b>	L0703-	150	4	90	40	151 / 13	750 / 75	110	490°F / 254°C	520°F / 271°C	15°F / -9°C
<b>78</b>	L0700-	150	4	90	40	164 / 15	850 / 82	99	475°F / 246°C	565°F / 296°C	-20°F / -29°C
<b>STO-4</b>	L0860-	46	1	75	20	45 / -	255 / 47	70	320°F / 160°C	370°F / 188°C	-30°F / -34°C
<b>AS-148</b>	L0715-	220	5	90	50	200 / 18	1041 / 91	97	470°F / 243°C	525°F / 274°C	10°F / -12°C

\*See page 15 for the package part number suffix which identifies the available packaging. Not all products are available in every package size.

\*\*H-2 Class lubricants may be used as a lubricant or anti-rust agent on equipment in which there is no possibility of the lubricated part contacting the edible product.

## FGL Series: High Performance, Multi-Purpose Food Grade Greases.

Designed to meet the demands of food and beverage industry plant engineers who want Class H-1 greases to totally replace H-2 greases. Fortified with anti-wear, anti-rust and anti-corrosion additives which combine to yield excellent shear stability, load carrying capability and resistance to water and caustic wash down. Available in four NLGI densities for a variety of applications. FGL-CC is for centralized/automatic lubrication systems on high speed can closing equipment.



LUBRIPLATE PRODUCT	*PRODUCT PART NO.	GREASE TYPE	NLGI DENSITY	OIL VIS. cSt/SUS @ 40°C / 100°F	WORKED PENETRATION	ASTM DROP POINT	APPROX COLD TEST	AW / EP	RUST & OXID. ADDITIVES	WATER RESISTANT
<b>FGL-00</b>	L0226-	ALUMINUM COMPLEX	00	120 / 550	400 / 430	410°F / 210°C	-5°F / -21°C	AW	YES	YES
<b>FGL-CC</b>	L0229-	ALUMINIUM COMPLEX	0/00	120 / 550	370 / 410	450°F / 232°C	0°F / -18°C	AW	YES	YES
<b>FGL-0</b>	L0230-	ALUMINUM COMPLEX	0	120 / 550	355 / 385	435°F / 224°C	0°F / -18°C	AW	YES	YES
<b>FGL-1</b>	L0231-	ALUMINUM COMPLEX	1	120 / 550	310 / 340	460°F / 238°C	0°F / -18°C	AW	YES	YES
<b>FGL-2</b>	L0232-	ALUMINUM COMPLEX	2	160 / 850	265 / 295	515°F / 268°C	10°F / -12°C	AW	YES	YES

\*FGL Series greases are available in Cans, Pails, 1/4 Drums & Drums, FGL-1 & FGL-2 are available in Cartridges. See page 15 for more information and package part number suffix.

## FML Series: Multi-Purpose, Food Grade Greases.

These white, multi-purpose greases have been leaders in the food processing industry for years.

LUBRIPLATE PRODUCT	*PRODUCT PART NO.	GREASE TYPE	NLGI DENSITY	OIL VIS. cSt/SUS @ 40°C / 100°F	WORKED PENETRATION	ASTM DROP POINT	APPROX COLD TEST	AW / EP	RUST & OXID. ADDITIVES	WATER RESISTANT
<b>FML-0</b>	L0143-	ANHYDROUS CALCIUM	0	144 / 750	355 / 385	280°F / 138°C	0°F / -18°C	AW	YES	YES
<b>FML-1</b>	L0144-	ANHYDROUS CALCIUM	1	144 / 750	310 / 340	285°F / 141°C	0°F / -18°C	AW	YES	YES
<b>FML-2</b>	L0145-	ANHYDROUS CALCIUM	2	144 / 750	265 / 290	285°F / 141°C	0°F / -18°C	AW	YES	YES

\*FML Series greases are available in Cans, Pails, 1/4 Drums & Drums, FML-2 is available in Cartridges. See page 15 for more information and package part number suffix.

## PURE TAC: Tacky, Adhesive Food Grade Grease.

This tacky, adhesive, highly water resistant, Class H-1 grease is designed for applications subjected to chemically treated water, heat and steam. For all types of medium to slow speed bearings, open gears and hydrostatic cooker chains.

LUBRIPLATE PRODUCT	*PRODUCT PART NO.	GREASE TYPE	NLGI DENSITY	OIL VIS. cSt/SUS @ 40°C / 100°F	WORKED PENETRATION	ASTM DROP POINT	APPROX COLD TEST	AW / EP	RUST & OXID. ADDITIVES	WATER RESISTANT
<b>PURE TAC</b>	L0236-	ALUMINIUM COMPLEX	2	1187 / 6500	265 / 295	520°F / 271°C	25°F / -4°C	AW	YES	YES

\*PURE TAC is available in Cartridges, Pails, 1/4 Drums & Drums. See page 15 for more information and package part number suffix.

## CLEARPLEX-2: Clear, Multi-Purpose Food Grade Grease.

This Aluminum Complex thickened, H-1 class grease is engineered for use in plain and anti-friction bearings in the food-processing and beverage processing industry. Contains non zinc-oxide anti-wear additive.

LUBRIPLATE PRODUCT	*PRODUCT PART NO.	GREASE TYPE	NLGI DENSITY	OIL VIS. cSt/SUS @ 40°C / 100°F	WORKED PENETRATION	ASTM DROP POINT	APPROX COLD TEST	AW / EP	RUST & OXID. ADDITIVES	WATER RESISTANT
<b>CLEARPLEX-2</b>	L0351-	ALUMINIUM COMPLEX	2	104 / 500	265 / 295	450°F / 232°C	10°F / -12°C	AW	YES	YES

\*CLEARPLEX-2 is available in Cartridges, Pails, 1/4 Drums & Drums. See page 15 for more information and package part number suffix.

## Food Grade Spray Lubricants / Class H-1\*

**FGL-1 Spray:** Class H-1 lubricant in handy easy to use 11 OZ. / 312 g. spray can. Quick and clean applications. Fortified with anti-wear, anti-rust, and anti-corrosion additives. Part No. L0231-063

**Super FML-2 Spray:** A Class H-1 white lubricant in handy, easy to use spray can. For use in food processing operations where a Class H-1 lubricant is required. Part No. L0145-063.

**FMO-85-AW Spray:** A multi-purpose Class H-1 oil. Packed in 14 OZ. / 414 ml hand pump, non-aerosol spray bottle. Part No. L0880-067.

**FMO-350-AW Spray:** A Class H-1 food machinery oil, in easy to apply spray can. For use where a Class H-1 oil is required. Part No. L0882-063.

**Food Grade Silicone Lubricant:** A multi-purpose, silicone lubricant for use on bottling, dairy and food processing machinery. For slides, O-rings, rubber seals and general lubrication. Part No. L0723-063.

**SFGO Ultra-7 Spray:** A multi-purpose, synthetic fluid lubricant, for use on bottling, dairy and food processing machinery. For chains, slides and general lubrication. Part No. L0912-063.



\*H-1 Class Lubricants are manufactured with ingredients that comply with FDA regulation 21 CFR 178.3570 for lubricants with incidental contact with the edible product.

# Automotive Lubricants

**No. 105 Motor Assembly Grease:** A smooth light-bodied grease made especially for motor assembly. Prevents "Dry Start." Provides lubrication during initial start up before the motor oil has circulated. Protects freshly machined engine parts from rust and corrosion. Part No. L0034-094.

**No. 105 "B" Tube General Purpose Grease:** The original white grease in handy tube. Ideal for locks, latches, hinges, wiper mechanisms, speedometer cables, or anywhere you need a light-bodied, grease type lubricant. Also excellent for motor assembly. Part No. L0034-086.

**Wheel Bearing Grease:** A superior, long lasting, water resistant, extreme pressure, wheel bearing grease. N.L.G.I. GC-LB certified. Available in 16 oz. Plastic Tubs, Part No. L0220-004, as well as 6 lb Cans, Pails, 1/4 Drums and Drums. See page 15 for package part number suffix.

**Special Auto Marine Grease:** A super multi-purpose, high temperature, water repellent, extreme pressure grease for automotive and marine uses. Available in 14 oz. Cans Part No. L0206-001 and 14.5 oz. Cartridges Part No. L0206-098.

**No. 110 Brake Lubricant:** This water repellent grease is designed for the contact points where the brake shoes rest on the backing plate and for the automatic adjusters inside the brake assembly. Product Part No. L0037- Available in Cans, Pails, 1/4 Drums and Drums. See page 15 for package part number suffix.

**Spray Lubricants:** See page 15 for information.



## Motor Oils & Transmission Fluids

**Super GPO Heavy-Duty Motor Oils:** Designed for naturally aspirated and turbo-charged diesel, gasoline and LP gas engines. Ideal for mixed fleets, construction equipment, trucks and automobiles. API service CG-4, CF-4 (15W-40 & 10W-30), CF, CF-2, CE, CD, SH, SJ, MIL-L-2104G and MIL-L-46152E. SAE 30, Pt. No. L0749-, SAE 40, Pt. No. L0752-, SAE 10W-30, Pt. No. L0754-, SAE 15W-40, Pt. No. L0753-.

**Super HDS Motor Oil:** Fully detergent motor oils for diesel and gasoline engines. Protects against oxidation, corrosion, foaming, sludge and wear. For service SJ / CF. MIL-L-46152E. SAE 10W, Pt. No. L0788-, SAE 20-20W, Pt. No. L0789-, SAE 30, Pt. No. L0791-, SAE 40, Pt. No. L0792-, SAE 50, Pt. No. L0793-.

**Super 345, SAE 5W-30 Long Mileage Motor Oil:** Designed for today's smaller automobile engines. For service SJ / CF / ILSAC GF-1. Energy Conserving II. Part No. L0732-. See page 15 for packaging information.

**Non-Detergent Motor Oil:** A top quality non-detergent motor oil. For use where detergent oils are not required or desired. For service SA. SAE 10W, Pt. No. L0804-, SAE 20-20W, Pt. No. L0806-, SAE 30, Pt. No. L0807-, SAE 40, Pt. No. L0808, SAE 50, Pt. No. L0809-. See page 15 for packaging information.

**2 Cycle Motor Oil:** For use in air cooled, 2 cycle engines on motor cycles, lawn equipment, chain saws, snowmobiles and outboards. Pt. No. L0826-.

**DEXRON III / MERCON Automatic Transmission Fluid:** Recommended and approved for all General Motors, Chrysler, and Ford (1989 and Newer) or anywhere Dexron and Ford Mercon Fluids are specified. Product Part No. L0867-. See page 15 for packaging information.

**Hydraulic-Transmission Fluid Type UTF:** For heavy-duty equipment where UTF type fluids are required. Pt. No. L0873-.



## Metal Working Fluids

**Darl No. 2 Cutting Oil:** Multi-purpose dark cutting oil for all types of machining operations on a wide range of metals including, steel, copper, brass, and aluminum. Product Part No. L0520-. See page 15 for packaging information and package part number suffix.

**No. 405 Dark Cutting Oil:** Heavy-duty, dark cutting oil recommended for difficult machining operations. Excellent for high carbon steels, alloys, and stainless steels. Not recommended for brass, bronze, copper, or aluminum. Product Part No. F0587-. See page 15 for packaging information.

**Flokool XX Cutting Oil:** Multi-purpose cutting oil for high speed machining operations. Appears transparent on the workpiece and will drain off the completed parts quickly. Not recommended for brass, bronze, or copper. Product Part No. F0530-. See page 15 for packaging information.

**Honing Oil:** Light viscosity oil compounded with non-corrosive, sulfurized fatty bases to insure good fluidity and wetting action. Part No. F0535-.

**No. 35 Soluble Oil:** Multi-purpose, water soluble cutting oil. Forms a milky white emulsion that does not readily decompose. Part No. L0576-.

**Cut-n-Cool:** Heavy duty, water soluble cutting oil fortified with both sulfur and chlorine which delivers substantially longer tool life, improved finish, and more accurate cuts. May stain brass, bronze, and copper if not cleaned off work shortly after use. Product Part No. L0514-. See page 15 for packaging information.

**Metal Working Fluid:** A specially developed product for metal working operations. Excellent for drilling, tapping, sawing, and grinding. Packed in handy 12 OZ. / 340 g. spray can. Part No. L0185-063. See page 15 for packaging information.

# Packaging Containers

Lubriplate's complete line of lubricants is available in a variety of packages including; bottles, jugs, pails, drums and refillable bulk container bins as well as convenient aerosol spray cans, tubes and cartridges on selected products. The chart below indicates product packaging availability and package part number suffix.

Add the package part number suffix to the product part number.

Not all products are available in every package size.



PRODUCT / PACKAGE PART NO. SUFFIX	24 / SM. CANS 14 OZ. / 397 g	12 / BOTTLES 1 QUART / 946 ml 2 LB. / .907 kg	6 / CANS 6 LB. / 2.72 kg	4 / JUGS 1 GAL. / 3.79 L 7 LB. / 3.18 kg	PAIL 35 LB. / 15.9 kg 5 GAL. / 18.9 L	QTR. DRUM 120 LB. / 54 kg 16 GAL. / 60.5 L	FULL DRUMS 400 LB. / 181 kg 55 GAL. / 208 L.	REFILLABLE OR DISPOSABLE BULK BINS.**
Multi-Purpose Synthetic Fluids	-	-	-	-057	-060	-061	-062	•
Air Compressor Fluids / Oils	-	-054	-	-057	-060	-061	-062	•
Hydraulic Oils	-	-	-	-057	-060	-061	-062	•
*Greases	-001	-	-006	-	-035	-039	-040	•
*Gear, Bearing & Recirculating Oils	-	-013	-	-007	-035	-039	-040	•
Specialty Greases	-001	-	-006	-	-035	-039	-040	•
Specialty Oils & Fluids	-	-054	-	-057	-060	-061	-062	•
Food Machinery Grade Fluids / Oils	-	-054	-	-057	-060	-061	-062	•
*Food Machinery Grade Greases	001	-	-006	-	-035	-039	-040	•
Motor Oils / Transmission Fluids	-	-054	-	-	-060	-	-062	•
Metal Working Fluids	-	-	-	-057	-060	-061	-062	•

\*Items Sold By Weight. \*\*For size, package part number suffix and price information on Bulk Bins call 800-733-4755.

**Grease Cartridges:** Lubriplate Grease Cartridges provide quick, clean, convenient, "on site" lubrication with reduced waste and grease contamination. SYNXTREME HD-2, SYN-1601, SYN-1602, No. 630-2, 730-2, 930-AA, 930-2, 1200-2, 1241, 1242, 1444, 1551, 1552, 3000, 3000-W, HIGH TEMP, LOW TEMP, MO-LITH NO. 2, MAG 1, EMB, SYNXTREME FG-2, SFL-1, SFL-2, FGL-1, FGL-2, FML-2, PURE TAC, CLEARPLEX-2 and SPECIAL AUTO-MARINE GREASE: These products are available in 14 1/2 OZ. / 411 g cartridges, 40 to a case. Package Part No. Suffix -098.

GEAR SHIELD EXTRA HEAVY: Available in 10 1/2 OZ. / 297g caulk type cartridges, 40 to a case. Part No. L0152-000.

## Lubricants In Plastic Tubes:

No. 105, 630-AA and AERO are available in 3/8 OZ. / 10.6 g plastic tubes, 288 to a case. Package Part No. Suffix -076.

No. 105, 130-AA, 630-AA, 930-AA, AERO and DS-ES are available in 1 3/4 OZ. / 50 g tubes, 36 to a case. Part No. Suffix -086.

No. 105 Gear Lube, 130-AA, 630-AA, LOW-TEMP, and APG 90 GEAR OIL are available in 10 OZ. / 284 g plastic tubes, 36 to a case. Package Part No. Suffix -092. and No. 105 Motor Assembly Grease Part No. L0034-094.



## Multi-Purpose Spray Lubricants

**Chain & Cable Fluid:** Superior penetrating oil. A cleansing non-gumming oil. Lubricates wire rope, chains, cables, any moving metal surfaces. Prevents rust and corrosion. Protects brightwork, loosens rusty nuts and bolts. Excellent drilling, tapping, and sawing oil. 12 OZ. / 340 g. spray can. Part No. L0135-063.

**Spray Lube "A":** A multi-pupose, white lithium-based lubricant of medium density. Sprays like a fluid, congeals to a grease. Excellent for latches, locks, hinges, battery terminals and other hardware. Part No. L0034-063.

**Gear Shield Extra Heavy:** Developed for easy lubrication of open gears. A tough tacky grease. Excellent for fifth wheel applications. Packed in handy 11 OZ. / 311.8 g. spray can. Part No. L0152-063.

**Oil Well In a Bottle™:** An excellent multi-purpose, penetrating oil ideal for slides, hinges, rollers, cables, frozen nuts and bolts. Prevents rust and corrosion. Moisture displacing agent works on wet ignition for "wet start." Packed in 14 OZ. / 414 ml. non-aerosol, hand pump, spray bottle. Part No. L0188-067.

**X-357 Lubricant:** A special extreme pressure lubricant that penetrates and adheres. Water resistant and unaffected by temperature extremes. For use on pintle hooks, slide axles, open gears, fifth wheels. Contains moly-disulfide. Packed in handy 11 OZ. / 311.8 g. spray can. Part No. L0149-063.

**Marine & Auto Guard:** Multi-purpose penetrating oil. An excellent "wet start" product. Spray on wet plug wires and distributor cap. Outstanding moisture displacement properties. Prevents rust and corrosion. Excellent fogging oil. Packed in 12 OZ. / 340 g. spray can. Part No. L0774-063.

**Food Machinery Grade Spray Lubricants:** See page 13 for information on these lubricants.



# General Application Recommendations

The multitude of industrial machinery and construction equipment on the market today makes specific applications impossible to list here. It is best to refer to the OEM service manuals of the machinery for specific lubrication recommendations. Listed below are a few lubricants that will cover most general requirements. For additional information contact your local Lubriplate Distributor, Lubriplate District Manager (listed below) or Jim Girard, (800)733-4755.

APPLICATIONS	NORMAL TEMPERATURES	HIGH TEMPERATURES	LOW TEMPERATURES	FOOD MACHINERY GRADE NSF H-1 CLASS / FDA CFR 178.3570
GENERAL GREASE	1200-2 / SYN-1602	HIGH TEMP / 1552 / SYN-1602	MAG-1 / SYN-1602	FGL-1 / FGL-2 / SYNXTREME FG-2
GENERAL OIL	SPO-233 / SYN-LUBE-100	SPO-266 / SYN-LUBE-320	SPO-233 / SYN-LUBE-100	FMO-350AW / SFGO ULTRA-68
CENTRALIZED SYSTEMS / GREASE	930-AAA / 630-AAA / SYN-1600	930-AAA / SYN-1600	MAG-00 / 1550	FGL-0 / FGL-00 / SFL-0
CENTRALIZED SYSTEMS / OIL	SPO-233 / SYN-LUBE-100	SPO-277 / SYN-LUBE-460	SPO-222 / SYN-LUBE-68	FMO-350AW-500AW / SFGO ULTRA 68
GEAR BOXES (HELICAL, SPUR)	SPO-255 / SYN-LUBE-220	SPO-MG / SYN-LUBE-320	SPO-244 / SYN-LUBE-150	FMO-1100AW / SFGO ULTRA 220
GEAR BOXES (WORM)	SPO-277 / SYN-LUBE-460	SPO-288 / SYN-LUBE-680	SPO-MG / SYN-LUBE-320	FMO-3800AW / SFGO ULTRA 680
OPEN GEARS	GEAR SHIELD EXTRA HEAVY	GEAR SHIELD XTRA HEAVY	LOW TEMP GEAR SHIELD	PURE TAC
HYDRAULIC EQUIPMENT	HO-1 / HO-2 / SYN-LUBE-68	HO-2A / SYN-LUBE-100	LOW POUR HO / SFGO ULTRA-7	FMO-350AW / SFGO ULTRA 68
AIR COMPRESSORS (RECIPROCATING)	SYN-LUBE-68	SYN-LUBE-100	SYN-LUBE-32	SFGO ULTRA-68 or 100
AIR COMPRESSORS (ROTARY SCREW)	SYN-LUBE-46	SYN-LUBE-46	SYN-LUBE-32	SFGO ULTRA-46 or 68
HIGH SPEED BEARINGS (OIL)	HO-0 / SYN-LUBE-32	SPO-233 / SYN-LUBE-100	1 / SYN-LUBE-32	FMO-350AW / SFGO ULTRA-68
HIGH SPEED BEARINGS (GREASE)	EMB / POLY HP-2 / SYN-1602	1552 / POLY HP-2 / SYN-1602	MAG-1 / GR-132 / SYN-1602	FGL-1 / SFL-1
LOW SPEED BEARINGS (OIL)	SPO-244 / SYN-LUBE-150	SPO-255 / SYN-LUBE-220	SPO-233 / SYN-LUBE-100	FMO-500AW / SFGO ULTRA 100
LOW SPEED BEARINGS (GREASE)	1242 / 1552 / SYN-1602	HIGH TEMP / 1552 / SYN-1602	MAG-1 / SYN-1602	FGL-2 / SFL-2
WHEEL BEARINGS (GREASE)	1552 / SYN-1602	1552 / SYN-1602	1552 / SYN-1602	FGL-1 / SYNXTREME FG-2
SLIDES / CAMS	1241 / 1242 / SYN-1602	1444 / SYN-1602	MAG-1 / SYN-1602	FGL-2 / SYNXTREME FG-2
MIST SYSTEMS	Mist Oil / SYN-LUBE-100	Mist Oil / SYN-LUBE-100	Rock Drill Oil 10R / SYN-LUBE-32	FMO-350AW / SFGO ULTRA-68
WIRE ROPE / CABLES / CHAINS	Chain & Cable Fluid	SPO-288	Chain & Cable Fluid	FMO-350AW / SFGO ULTRA-7
RUST / CORROSION PREVENTION	Chain & Cable Fl / SFGO ULTRA-7	Chain & Cable Fl / SFGO ULTRA-7	Chain & Cable Fl / SFGO ULTRA-7	FMO-350AW / SFGO ULTRA-7
ENGINE REBUILDING	105	105	105	-
MOLY GREASE (MOS <sub>2</sub> )	3000	3000	3000W	-
REFRIGERATION COMPRESSORS	68N OR 68P Refrigeration Compressor Oil - Consult Data Sheet 5-23 and 5-23A for details.			RCO-68

Petroleum Based Product

Synthetic Based Product

## Oil Viscosity Classification Comparisons

VIS. cSt @40°C	ISO Viscosity Grade	AGMA Number	SAE Gear Oil Number	SAE Crankcase Number	VIS. SUS @100°F
2000	1500		250		10000
1500	1000	8A			5000
1000	680	8			3000
500	460	7	140		2000
400	320	6			1000
300	220	5	90	50	1000
200	150	4	85W	40	500
100	100	3	80W	30	500
50	68	2	75W	20	300
30	46	1		10W	200
20	32			5W	100
10	22				100
	15				100
	10				60

## NLGI Grease Classifications

NLGI NO.	DESCRIPTION	WORKED PENETRATION ASTM @ 77°F / 25°C
000	SEMI-FLUID	445 - 475
00	SEMI-FLUID	400 - 430
0	VERY-SOFT	355 - 385
1	SOFT	310 - 340
2	MEDIUM SOFT	265 - 295
3	MEDIUM	220 - 250
4	HARD	175 - 205
5-6	VERY HARD	85 - 160

### Eastern Region Managers:

**Dick Schettino - Eastern Regional Manager**  
800-733-4755 / Dicks@lubriplate.com

#### District Managers:

**Michael Barto**  
44 North Cope Hill Drive  
Littz, PA 17543  
717-665-0424  
717-665-0425 (FAX)  
mbarto@lubriplate.com

**Robert A. Reh Jr.**  
44 North Cope Hill Drive  
Midlothian, VA 23112  
804-739-7087  
rrehjr@aol.com

**Lee Myers**  
PMB 290 / 3948 S. Third St.  
Jacksonville Bch.,  
FL 32250-5847  
904-221-0557  
904-221-1025 (FAX)  
lmyers@lubriplate.com

**James A. Tiernan**  
25 N. County Rd.  
Violet Hill, AR 72584  
870-258-3557  
jtiernan@lubriplate.com

**David Reh**  
2715 Hunters Glen Drive  
Plainsboro, NJ 08536  
609-716-6449  
dreh@lubriplate.com

**Jim Zappulla**  
176 Tobacco Street  
Lebanon, CT 06249  
860-450-0222  
jzappulla@lubriplate.com

### Central Region Managers:

#### District Managers:

**Tom Bennett**  
1903 Oakland  
Mt. Pleasant, MI 48858  
989-773-6152  
989-773-4368 (FAX)  
tbennett@lubriplate.com

**Dennis E. King**  
10715 W. 115th Terrace  
Overland Park, KS 66210  
913-498-1415  
913-498-9911 (FAX)  
913-424-7404 (Cell)  
dking@lubriplate.com

**Scott Besedick**  
1219 Elliston Court  
Crown Point, IN 46307  
219-661-8712  
219-661-9069 (FAX)  
sbesedick@lubriplate.com

**Bill Outhouse**  
5142 County Highway A  
Oregon, WI 53575-2708  
608-835-5689  
608-835-6423 (FAX)  
bouthouse@lubriplate.com

**Kim Henricks**  
414 Winter St.  
Elmore, OH 43416  
419-862-7603  
419-862-7903 (FAX)  
khenricks@lubriplate.com

**Don Wrocklage**  
2330 Winegarden Court  
Ballwin, MO 63011  
636-458-0094  
636-458-7549 (FAX)  
dwrocklage@lubriplate.com

### Western Managers:

**Steve Paule - Regional Manager**  
602-690-0458 / spaule@cox.net

#### District Managers:

**Francis Gondouin**  
216 El Prado  
San Rafael, CA 94903  
415-472-2098  
fgondouin@lubriplate.com

**Alexander Taylor**  
5709 Camelot Drive SW  
Olympia, WA 98512  
360-808-0953  
360-357-6216 (FAX)  
ataylor@lubriplate.com

**Roger Thostenson**  
3805 Crownhill Drive  
Plano, TX 75093  
972-998-0344  
972-398-3913 (FAX)  
rthostenson@lubriplate.com

### Specialists:

**Vice President & General Manager:**  
**Tim Cusack** - Assistant Vice President  
**Chief Marketing Officer: Jim Girard**  
800-733-4755 - JimG@lubriplate.com

**Domestic Sales & Service Inquiries:**  
**Tim Cusack** - Assistant Vice President  
800-733-4755 - TimC@lubriplate.com  
**National Sales Manager & Director of Synthetic Sales: Steve Morrow**  
610-398-2382 smorrow@lubriplate.com

**Technical Service Center:**  
**Iliana Vargas** - Director of Technology  
800-733-4755 - ivargas@lubriplate.com

**Special Projects Manager:**  
**Hubert Wrocklage** -  
314-894-2862 - Cell: 314-221-0814  
hwrocklage@lubriplate.com

**Toledo Sales Coordinator:**  
**Mike Kontak** - 419-691-2491  
MikeK@lubriplate.com

**Chief International Representative:**  
**Charles Husko** - 1-813-907-3027  
c.husko@att.net

## LUBRIPLATE DIVISION / FISKE BROTHERS REFINING COMPANY

129 LOCKWOOD STREET / NEWARK, NJ 07105 / PHONE 800-733-4755 / FAX 800-347-5329

TOLEDO, OH OFFICE / PHONE 419-691-2491 / FAX 800-347-5348

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Visit us on the World Wide Web at: <http://www.lubriplate.com> or Email us at: [info@lubriplate.com](mailto:info@lubriplate.com)

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