

KEEP IT  
RUNNING...

KEEP IT  
GREEN!



## LUBRIPLATE® BIODEGRADABLE ECO-FRIENDLY LUBRICANTS

Lubriplate's Line of Biodegradable, Environmentally Friendly Lubricants has been designed to safeguard the environment without sacrificing lubricant performance.

Products include...

### Bio-Based Series - Biodegradable (Pw1) Hydraulic Oils

- Readily Biodegradable - (Meets ASTM D-5864) >70% Biodegradation (Pw1).
- Low Toxicity - Meets U.S. EPA and Fish and Wildlife requirements (LC-50).
- Advanced zinc-free additive system delivers excellent anti-wear properties.

### Syncool - Biodegradable (Pw1) Air Compressor Fluid

- The environmentally-friendly choice for air compressor fluids.
- Readily Biodegradable - (Meets OECD criteria) >70% Biodegradation (Pw1).
- Fully Synthetic - High Performance Polyglycolester-Based Fluid.

### Biodegradable Penetrating Oil - Multi-Purpose Lubricating Fluid

- Readily Biodegradable, Vegetable Oil-Based, Multi-Purpose Spray Lubricant.
- For general lubrication of hinges, locks, latches, slides, chains, cables and tools.
- Helps prevent friction, wear, rust and corrosion.
- Provides excellent moisture displacement properties
- Available in 12 oz aerosol can and 14 oz pump spray bottle.



140 Years of Continuous  
Lubrication Innovation

**Lubriplate Lubricants Company**

1-800-733-4755 / [www.lubriplate.com](http://www.lubriplate.com) / [LubeXpert@lubriplate.com](mailto:LubeXpert@lubriplate.com)

# Lubriplate® Environmentally Responsible, Biodegradable Lubricants

Lubriplate's environmentally responsible lubricants have been developed to help reduce the impact on our environment without sacrificing lubricant performance. Their use can also help our customers comply with the ever increasing environmental regulations for equipment operating in environmentally sensitive areas. The chart below lists some of the industry's standards and terms used for environmentally responsible lubricants.

Terminology	Test Method	Requirements / Results
Ultimate Biodegradation (Pw1)	ASTM D-5864	Minimum 60% converted to CO <sub>2</sub> in 28 days or less
Readily Biodegradable (Pw1)	OECD 301B	Minimum 60% converted to CO <sub>2</sub> in 28 days or less
Inherently Biodegradable (Pw2) (Pw3) (Pw4)	ASTM D-5864 or OECD 301B	Min. 60% (Pw2), 40% (Pw3), 20-39% (Pw4) converted to CO <sub>2</sub> in 84 days
Non/Low Acute Toxicity LC-50	US EPA LC-50	Pass

**Bio-Based Series Hydraulic Oils:** Ultimately Biodegradable (Pw1), Low Toxicity (LC-50), Vegetable-Based Oils. For use in hydraulic systems where low toxicity and biodegradability properties are required. A zinc-free additive system delivers exceptional anti-wear, anti-rust, anti-foam and demulsibility properties. They meet ASTM D-5864 (Pw1) U.S. EPA and U.S. Fish and Wildlife requirements (LC50).

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
BIO-BASED 32	L1050-	32	-	-	10	31 / 7	184	457°F / 236°C	500°F / 260°C	-40°F / -40°C
BIO-BASED 46	L1051-	46	1	75W	20	44 / 10	199	469°F / 243°C	514°F / 268°C	-40°F / -40°C
BIO-BASED 68	L1052-	68	2	80W	20	64 / 13	198	484°F / 251°C	525°F / 274°C	-38°F / -39°C

\*BIO-Based Series Hydraulic Oils are available in Drums, Package Part No. Suffix -062 and Spacecraft Bins, Package Part No. Suffix -070.

**Syncool Air Compressor Fluid:** Readily Biodegradable (Pw1), Synthetic Air Compressor Fluid.

A high-performance, readily biodegradable, synthetic air compressor fluid developed to meet the needs of most rotary screw and rotary vane air compressors where high operating temperatures are present and environmental issues are a concern. Readily biodegradable (Meets OECD criteria) >70% biodegradation (Pw1). Excellent thermal and oxidation stability helps eliminate harmful deposits and extend drain intervals.

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
SYNCOOL	L0964-	32/46	-	75W	10	41 / 8	172	530°F / 277°C	595°F / 313°C	-40°F / -40°C

\*Syncool Fluid is available in 5 Gallon Pails, Part No. L0964-060 and 55 Gallon Drums Part No. L0964-062.

**Biodegradable Penetrating Oil Multi-Purpose Lubricating Fluid:**

ECO-Friendly, Biodegradable, Vegetable-Based, Multi-Purpose Spray Lubricant.

An environmentally friendly, biodegradable, bio-based, lubricating oil for general lubrication of hinges, locks, latches, slides, chains, cables or anywhere metal contacts metal. Ideal for cars, boats, bicycles, garden equipment, guns, tools, office equipment, garage doors, farm equipment and golf courses. Provides a long lasting protective film that prevents friction, wear, rust and corrosion. Excellent moisture displacement properties. Available in 12 OZ. / 340 g. spray can, Part No. L0721-063. and in 14 OZ. / 414 ml. non-aerosol, hand pump, spray bottle. Part No. L0721-067.

**UTF-Bio-Based/Green:** Ultimately Biodegradable (Pw1), Vegetable-Based, Universal Tractor Fluid.

An ultimately biodegradable (Pw1), vegetable-based fluid, designed for use in agricultural, construction/industrial equipment where UTF type fluids are required. Meets the requirements of API GL-4 and most OEMs including: John Deere's Hygard, J20-C, J14A, Quantrol™ J20D, Allison C-3 and C-4, Cat TO-2, Case, Ford, Massey-Ferguson White Farm, Kubota, Steiger and others.

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
UTF-BIO-BASED/GREEN	L1072-	46	1	75W	20	48 - 10	210	484°F / 251°C	-	-38°F / -39°C

\*UTF-Bio-Based/Green is available in 5 Gallon Pails, Part No. L1072-060 and 55 Gallon Drums Part No. L1072-062.

**SYN BOC FG-68 & 220:** Biodegradable, NSF H-1 Registered, Synthetic, High Temperature Oven Chain Lubricants.

These unique, high-performance, bio-based/synthetic, biodegradable, food grade lubricants are manufactured and fortified with boron nitride. The boron nitride provides a light clean lubricating powder after the bio-based oil cleanly dissipates. Designed for high temperature applications, they will lubricate at extremely high temperatures up to 1000°F. They deliver performance advantages far beyond that of black graphite, PTFE and molybdenum disulfide-based lubricants. They are designed for many types of oven chain applications, both food grade and non food grade, including: bakery ovens, paint curing lines, drying ovens, tenter frame applications, etc. Low volatility for increased fire safety.

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
SYN BOC FG-68	L0955-	68	2	80	20	68 / 13	187	590°F / 332°C	-	-28°F / -33°C
SYN BOC FG-220	L0960-	220	5	90	50	219 / 36	214	588°F / 306°C	645°F / 337°C	-25°F / -32°C

\*SYN BOC FG-68 and SYN BOC FG-220 are available in Pails, Package Part No. Suffix -060 and Drums with agitators, Package Part No. Suffix -062.

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