



ECO-FRIENDLY LUBRICANTS WITH THE POWER TO PROTECT YOUR MACHINERY, AND THE ENVIRONMENT

ZF SERIES HYDRAULIC OILS

- Heavy-Duty, Zinc-Free, Extended Life, Hydraulic Fluids.
- ECO-Friendly - Low Toxicity (Passes LC-50).
- Provides long service life and extended fluid change intervals.

SYNCOOL & SYNCOOL FG AIR COMPRESSOR FLUIDS

- 100% Synthetic, High Performance Polyglycol/Ester-Based, AC Fluid.
- Readily Biodegradable (Pw1)-(ASTM D-5864) >70% Biodegradation.
- SYNCOOL FG is NSF H1 Registered, NSF/ISO 21469 Certified, Food Grade.

BIODEGRADABLE PENETRATING OIL

- USDA Certified 90% Bio-Based, Multi-Purpose, Spray Lubricant.
- Readily Biodegradable (Pw1)-(ASTM D-5864) >70% Biodegradation.
- Displaces Moisture, Prevents Friction, Wear, Rust and Corrosion.

MARINE SAFE SERIES HYDRAULIC OILS

- Inherently Biodegradable and Environmentally Safe.
- Low Toxicity - Meets EPA and Fish and Wildlife requirements (LC-50).
- Non-Toxic to Aquatic Life.

SYNXTREME AC SERIES COMPRESSOR FLUIDS

- 100% Synthetic, High Performance, Polyolester (POE)-Based AC Fluids.
- Readily Biodegradable (Pw1)-(ASTM D-5864) >70% Biodegradation.
- Provides Extended Drain Intervals up to 10,000 Hours.



To Learn More About These and Lubriplate's Other Lubricants Call 800-733-4755 or visit www.lubriplate.com



Lubriplate
Lubricants

Backed By:



Complimentary Extra Services Package

Plant Surveys / Tech Support / Training
Color Coded Lube Charts & Machine Tags
Lubrication Software / Follow-Up Oil Analysis

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Lubriplate® Environmentally Responsible 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 ₂ in 28 days or less
Readily Biodegradable (Pw1)	OECD 301B	Minimum 60% converted to CO ₂ 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 ₂ in 84 days
Non/Low Acute Toxicity LC-50	US EPA LC-50	Pass

ZF Series Hydraulic Fluids: Heavy-Duty, Zinc-Free, Extended Life, Hydraulic Fluids.

These heavy-duty, high performance fluids were designed to perform in the most demanding hydraulic applications. They can withstand elevated temperatures and high pressures over extended periods thus providing long service life and extended fluid change intervals. They meet the service requirements of Vickers (Eaton) M-2950-S, I-286-S, General Motors LS-2, Bosch Rexroth RE 90 220, Denison HF-0, HF-1, HF-2 and Cincinnati Milacron P-68, P-69 and P-70. Lubriplate ZF Series Hydraulic Fluids are free of zinc or silicone compounds. Passes 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
ZF 32	L0948-	32	-	-	10	35 / 5	129	440°F / 227°C	480°F / 249°C	-40°F / -40°C
ZF 46	L0949-	46	1	75W	20	46 / 6	117	470°F / 243°C	510°F / 266°C	-35°F / -37°C
ZF 68	L0950-	68	2	80W	20	70 / 8	106	475°F / 246°C	510°F / 266°C	-20°F / -29°C
ZF 100	L0953-	100	3	80W	30	101 / 11	97	475°F / 246°C	545°F / 285°C	-10°F / -23°C

*ZF Series Fluids are available in 5 Gallon Pails and 55 Gallon Drums.

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

A high-performance, readily biodegradable, polyglycol/ester-based, 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	SAE NO.	VISCOSITY cSt @ 40°C / 100°C	VISCOSITY INDEX	FLASH POINT	FIRE POINT	POUR POINT
SYNCOOL	L0964-	32/46	10	41 / 8	172	530°F / 277°C	595°F / 313°C	-40°F / -40°C

*Syncool Fluid is available in 5 Gallon Pails and 55 Gallon Drums.

Biodegradable Penetrating Oil Multi-Purpose Lubricating Fluid: 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 11 OZ. / 312 g. spray can, Part No. L0721-063.

Marine-Safe Hydraulic Oils: Non-Toxic to Aquatic Life (LC-50).

Formulated a zinc free anti-wear additive package, these high-performance hydraulic fluids meet or exceed the performance requirements of most types of hydraulic equipment while providing an additional level of environmental safety. Lubriplate Marine-Safe Hydraulic Oils are non-toxic to aquatic life, exceeding U.S. EPA LC50 and U.S. Fish and Wildlife requirements. They pass the U.S. Coast Guard Static Sheen Test Requirements. They meet the service requirements of Vickers, Racine, Denison HF-0, HF-2 and Cincinnati Milacron P-68, P-69 and P-70. They offer excellent oxidation stability and extended fluid change 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
Marine-Safe 32	L0822-	32	-	-	10	33 / 6	110	395°F / 202°C	455°F / 235°C	-45°F / -43°C
Marine-Safe 46	L0823-	46	1	75W	20	44 / 7	108	425°F / 218°C	470°F / 243°C	-35°F / -37°C
Marine-Safe 68	L0824-	68	2	80W	20	68 / 9	104	445°F / 229°C	520°F / 271°C	-20°F / -29°C

*Marine-Safe 32 through 68 is available in 5 Gallon Pails and 55 Gallon Drums.

SynXtreme AC Series: Polyolester (POE)-Based, Biodegradable (Pw1), 100% Synthetic Compressor Fluids.

These state-of-the-art 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. Potential for fluid drain intervals of +10,000 hours. Readily biodegradable (Meets OECD criteria) >70% biodegradation (Pw1).

LUBRIPLATE PRODUCT	*PRODUCT PART NO.	ISO GRADE	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 Pails & Drums.

Lubriplate® Lubricants Company

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