



Renewable Lubricants, Inc.

476 Griggy Rd., P.O. Box 474
 Hartville, Ohio 44632-0474
 330.877.9982 Fax 330.877.2266
 Web: www.renewablelube.com

Bio-Air Compressor™ Fluid (AC-30)



"Biobased Lubricants that Perform Like Synthetics"

Bio-Air Compressor™ Fluid (AC-30) is an ultimately biodegradable¹ biobased/synthetic formula that replaces hydrocarbon oil based compressor fluids in smaller portable and stationary shop reciprocating compressors. The super high viscosity index of the HOBS is combined with a biobased synthetic ester to improve the mechanical and thermal shear stability of the formula for superior fluid film protection. The HOBS's extremely low volatility increases the flash and fire safety features in the formula. Bio-Air Compressor™ Fluid is **recommended** for uses with fluorocarbon (Viton), Teflon, fluorosilicone, polysulfide, low Buna-N and high nitrile Buna-N. It is compatible with the same seals, materials and components that are designed to operate on mineral oil based formulations. It should be used where low temperature properties, improved oxidation stability, and excellent anti-wear properties are required.

- ◆ Excellent Lubrication
- ◆ Environmentally Non-Toxic
- ◆ Energy Conserving
- ◆ Zinc & Heavy Metal Free
- ◆ Super High Viscosity Index
- ◆ Excellent Oxidative Stability

Typical Specifications

SAE Grade	30
VISCOSITIES: @100°C., cSt.	11.1
@40°C., cSt.	54
SAE Winter Grade	10W
MRV (TP-1) @ -30°C, cP	20,000
Viscosity Index	201
Flash Point, COC °C.	247
Pour Point, °C.	-39
Oxidation Stability D-943 (Dry), hr.	>1500
Rotary Bomb Oxidation Test (D-2272)	>600
Copper Corrosion Strip 3hr @ 100°C	1A
4 Ball Wear, 1h, 167° F, 1200 RPM, 40kg	.30-.40
FZG Test DIN 51354	12
Demulsibility, ML Oil/Water/Emulsion	40/ 40/ 0 (<10 minutes)
Foam Sequence I, II, III (D-892)	0 Foam
Rust Prevention, (D-665 A&B)	Pass
RLI Product Item #	84200

Bio-Air Compressor™ Fluid AC-30 meets the Environmental Protection Agency (EPA) 2013 Vessel General Permit (VGP) guidelines for Environmentally Acceptable Lubricants (EALs), and should be used where **LOW TOXICITY**, **BIODEGRADABILITY** and **NON-BIOACCUMULATION** properties are required. They exceed the acute toxicity (LC-50 / EC-50 >1000 ppm) criteria adopted by the US Fish and Wildlife Service and the US EPA. Bio-Air Compressor™ Fluid AC-30 is an **ENVIRONMENTALLY RESPONSIBLE** fluid that is formulated from renewable agricultural plant resources. We believe Earth's environmental future rests in the use of renewable materials.

¹Ultimate Biodegradation (Pw1) within 28 days in ASTM D-5864 Aerobic Aquatic Biodegradation of Lubricants

STABILIZED by Renewable Lubricants* is RLI's trademark on their proprietary and patented anti-oxidant, anti-wear, and cold flow technology. High Oleic Base Stock (HOBS) are agricultural vegetable oils. This Stabilized technology allows the HOBS to perform as a high performance formula in high and low temperature applications, reducing oil thickening and deposits.

Patented Product: US Patent 6,383,992, US Patent 6,534,454 with additional Pending and Foreign Patents

™ Trademark of Renewable Lubricants, Inc. Copyright 1999 Renewable Lubricants, Inc.

<u>Availability</u>	<u>F.O.B.: Hartville, Ohio, USA</u>	<u>Quart</u>	<u>1 Gallon</u>	<u>5 Gallon Pail</u>	<u>Drum</u>	<u>Totes</u>	<u>Bulk</u>
Item #		84201	84203	84204	84206	84207	84209