

Bio-Air Compressor™ Fluid AC-30

(SAE 30 / SAE 10W)

Bio-Air Compressor™ Fluid AC-30 is an ultimately biodegradable, biosynthetic-blend lubricant formulated to replace petroleum-based compressor fluids in portable and stationary shop reciprocating air compressors. It combines Stabilized™ with biobased synthetic esters for superior oxidative and thermal stability, low volatility, and high viscosity index. This environmentally friendly fluid is engineered for excellent wear protection, energy conservation, and seal compatibility with standard compressor materials including fluorocarbon (Viton), Teflon, fluorosilicone, polysulfide, and various Buna-N compounds. It is designed for use where low-temperature performance, high flash point, and oxidation resistance are critical.

Benefits

- Readily biodegradable, environmentally non-toxic, not bioaccumulative
- Excellent oxidation stability and fluid film protection
- Super high viscosity index for wide temperature range
- Excellent anti-wear and rust protection
- Zinc-free and heavy-metal-free formulation
- Compatible with materials used in petroleum-based systems
- High flash/fire safety due to low volatility
- EPA VGP 2013 EAL compliant
- LC-50 / EC-50 >1000 ppm – Non-toxic per EPA and USFWS
- USDA Biobased formulation with renewable agriculture content
- STABILIZED™ technology ensures oxidative and thermal resistance

Application / New Filling

- Recommended for:
 - Shop reciprocating air compressors (stationary and portable)
 - Systems requiring SAE 30 or SAE 10W winter grade lubricants
 - Compatible with compressor seals and systems designed for mineral oil
 - Before changing over to this product, please ask for filling instructions
 - Not for use in rotary vane, screw or compressors requiring PAG lubricants.

Specifications and Approvals

- ASTM D-5864 – Ultimate Biodegradability >60% in 28 days (Pw1)
- EPA VGP 2013 Compliant – Environmentally Acceptable Lubricant (EAL)
- LC-50 / EC-50 >1000 ppm – Meets EPA/USFWS acute toxicity criteria
- Patented Stabilized™ technology (US Patents 6,383,992 and 6,534,454)

Typical Specifications

SAE Grade

VISCOSITIES: @100°C., cSt.

@40°C., cSt.

SAE Winter Grade

MRV (TP-1) @ -30°C, cP

Viscosity Index

Flash Point, COC °C.

Pour Point, °C.

Oxidation Stability D-943 (Dry), hr.

Rotary Bomb Oxidation Test (D-2272)

Copper Corrosion Strip 3hr @ 100°C

4 Ball Wear, 1h, 167° F, 1200 RPM, 40kg

FZG Test DIN 51354

Demulsibility, ML Oil/Water/Emulsion
Foam Sequence I, II, III (D-892)

Rust Prevention, (D-665 A&B)

RLI Product Item

30

11.1

54

10W

20,000

201

247

-39

>1500

>600

1A

.30-.40

12

40/ 40/ 0 (<10 minutes)
0 Foam

Pass

84200

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Availability F.O.B.: Hartville, Ohio, USA Quart 1 Gallon 5 Gallon Pail Drum Totes Bulk

Item # 84201 84203 84204 84206 84207 84209

STABILIZED™
by Renewable Lubricants

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