



Renewable Lubricants, Inc.
476 Griggy Rd., P.O. Box 474
Hartville, Ohio 44632-0474

Bio-Food Grade™ Air Tool Lubricant

(ISO 22, 32)

NSF H1 Registered • Biosynthetic Formula for Pneumatic Equipment

Bio-Food Grade™ Air Tool Lubricants are readily biodegradable lubricants formulated to replace petroleum-based air tool oils in food-grade and environmentally sensitive applications. These lubricants contain ingredients that are “Generally Recognized as Safe” (GRAS) and are NSF H1 registered for incidental food contact.

With a super high viscosity index derived from Stabilized™ High Oleic Base Stocks (HOBS), these lubricants provide outstanding performance in both rotary and reciprocating air tools. Their natural oily film enhances lubricity, and they emulsify water to maintain protection in moist operating conditions. Engineered to minimize misting and environmental release, they are safe for use in agriculture, marine, forestry, bottling, and food processing industries. Manufactured under kosher supervision, they contain no animal byproducts.

Benefits

- NSF H1 registered/Kosher
- Readily biodegradable and environmentally responsible
- Super high viscosity index for wide temperature performance
- Excellent anti-wear and rust protection
- Anti-misting formula enhances air quality
- Water-emulsifying for use in moist environments
- Superior lubricity reduces tool wear and downtime
- EPA VGP 2013 compliant Environmentally Acceptable Lubricant (EAL)
- Non-toxic (LC-50 / EC-50 >1000 ppm) per EPA/USFWS criteria
- Contains STABILIZED™ additive system with patented antioxidant and antiwear protection

Application / New Filling

- Recommended for:
 - Rotary and reciprocating air tools
 - Chipping hammers, air motors, drills, grinders, impact tools
 - Lift cylinders in breweries, bottling, and canning lines
 - Apply through airline lubricators or squirt directly into air tool via coupling
 - Safe for use where there is risk of contaminating air, water, or soil
 - For best results, flush system before switching from petroleum oils

Specifications and Approvals

- NSF H1 Registered – Incidental food contact (per 21 CFR 178.3570)
- Meets EPA 2013 VGP requirements for EALs
- ASTM D-5864 – Ultimate Biodegradation (Pw1 >60% in 28 days)
- Manufactured under kosher supervision
- Contains no animal byproducts
- Patented STABILIZED™ antioxidant/antiwear technology

Typical Data			
ISO Grade		22	32
Viscosity @40°C., cSt.	ASTM D-445	22.4	29.33
Viscosity @100°C., cSt.	ASTM D-445	4.9	7.34
Viscosity Index	ASTM D-2270	176	203
Flash Point, COC	ASTM D-93	220°C	230°C
Pour Point	ASTM D-5985	-45°C	-30°C
Rust Prevention	ASTM D-665		
Distilled Water		Pass-Clean	Pass-Clean
Synthetic Sea Water		Pass-Clean	Pass-Clean
Foam Sequence I, II, III (10 min)		0 Foam	0 Foam
Copper Corrosion Strip 3hr @ 100°C	ASTM D-130	1A	1A
RLI Product Item #		87450	87460

STABILIZED™
by Renewable Lubricants

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

