

Bio-Air Tool™ Lubricants

(ISO 22, 32)

Environmentally Responsible, Readily Biodegradable Air Tool Lubricants

Bio-Air Tool™ Lubricants are readily biodegradable, biosynthetic-blend lubricants formulated to replace petroleum-based air tool oils. Designed to manage compressed air contamination in sensitive environments such as food plants, these environmentally friendly lubricants provide exceptional lubricity, corrosion protection, and anti-misting performance in moist operating conditions. Featuring a super high viscosity index and formulated with Stabilized™ technology, Bio-Air Tool™ Lubricants deliver high performance in both rotary and reciprocating air tools. Unlike most air tool oils that release potentially harmful mists (benzene), Bio-Air Tool™ Lubricants offer a safer alternative for workers in enclosed environments by supporting cleaner air and reducing exposure to airborne toxins and cancers.

Benefits

- Readily biodegradable, non-toxic, not bioaccumulative
- Superior lubricity with natural oily film performance
- Enhanced corrosion protection and water emulsification
- High viscosity index improves low and high temperature performance
- Excellent rust prevention in both distilled and synthetic sea water
- Non-misting formulation supports improved air quality
- Meets EPA VGP 2013 guidelines for Environmentally Acceptable Lubricants (EALs)
- Exceeds acute toxicity criteria (LC-50 / EC-50 > 1000 ppm)

Application / New Filling

- Suitable for rotary and reciprocating air tools such as:
 - Chipping hammers
 - Impact wrenches
 - Air motors
 - Grinders
 - Reamers
 - Drills
- May be applied via airline lubricators or directly through quick-coupling air connections
- For equipment conversions, consult Renewable Lubricants for filling guidelines

Specifications and Approvals

- EPA VGP 2013 (EAL Compliant)
- OECD 301 Readily Biodegradable
- ASTM D-5864: Ultimate Biodegradation (Pw1 within 28 days)
- ASTM D-655: Rust Protection
- ASTM D-130: Copper Corrosion
- Meets US Fish and Wildlife and EPA Aquatic toxicity criteria (LC-50 / EC-50 > 1000 ppm)

Typical Data

ISO Grade	SPEC	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	-35°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	1 A	1 A
RLI Product Item #		83100	83110

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

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

