

AIR HAMMER OIL

Premium Rock Drill Oil



Beyond Synthetic™

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Air Hammer Oil is recommended for users looking for much longer tool oil life and significantly improved reliability.

Air Hammer Oil is an ultra-tough, para-synthetic rock drill / air hammer oil designed to increase the life of air hammers and rock drills. Air Hammer Oil outperforms other E.P. rock drill oils because it contains Synslide® additive technology, our proprietary, synthetic oil film so tough and tenacious it is not squeezed out of the pressure area. It virtually eliminates the boundary lubrication conditions caused by the sliding action of the heavily loaded piston. Slippery, synthetic molecules increase the lubricity and oiliness of Air Hammer Oil. Rock drills / air hammers run longer between overhauls. Air Hammer Oil is noncorrosive to both ferrous and nonferrous metals.

Synslide® additive technology makes the difference!

Synthetic oils enable Royal Purple to make superior lubricants, but it is Royal Purple's advanced Synslide® additive technology that gives Royal Purple's EP lubricants their amazing performance advantages. Synslide® additive technology truly is *beyond synthetic*.™

Synslide® additive technology, Royal Purple's tough, EP lubricating film, provides maximum protection under boundary lubrication conditions typically caused by heavily loaded, slow speed and / or shock load conditions. This tenacious, slippery film significantly improves lubrication and reduces wear by increasing the oil film thickness and toughness, which helps to prevent metal-to-metal contact in gears and bearings.

Synslide® additive technology is noncorrosive to gears and bearings, including case-hardened gears that are easily pitted by conventional sulfur-phosphorus EP oils. Synslide® additive technology displaces water from metal surfaces and excels in protecting equipment in wet environments. It also fortifies the oil against the detrimental effects of heat, which causes oil to oxidize.

Performance Advantages:

- **Severe Service**
Air Hammer oil performs under loads where other E.P. gear oils fail.
- **Lower Coefficient of Friction**
Air Hammer Oil saves energy and reduces temperatures.
- **Cushioning Molecules**
Air Hammer Oil reduces fatigue failures in air hammers.
- **Environmentally Responsible**
Air Hammer Oil components are on TSCA's approved list and fully comply with all OSHA and EPA guidelines.
- **Synslide**
Air Hammer Oil is proprietary, slippery, tenacious, ultra-tough synthetic film.
- **Compatibility**
Air Hammer Oil is compatible with all mineral and most synthetic industrial oils.
- **Saves Money**
Air Hammer Oil extends life and reduces downtime.

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| Typical Properties* | SAE Grade | | |
|------------------------------|-----------|-----------|-----------|
| | 46 | 68 | 100 |
| Viscosity | | | |
| cSt @ 40°C | 46 | 68 | 100 |
| cSt @ 100°C | 7.2 | 9.4 | 11.8 |
| Viscosity Index | 116 | 117 | 107 |
| Flash °F | 410 | 420 | 430 |
| Fire °F | 445 | 445 | 475 |
| Autoignition°F | 600 | 700 | 700 |
| Specific Gravity @ 60/60°F | .8738 | 0.885 | 0.892 |
| API | 30.5 | 28.3 | — |
| lb./gal. | 7.27 | 7.37 | — |
| Foam Tendency SEQ II | Nil | Nil | Nil |
| Vapor Pressure @ 200°F, mmHg | <0.01 | <0.01 | <0.01 |
| Solubility in Water | Insoluble | Insoluble | Insoluble |

*Properties are typical and may vary.