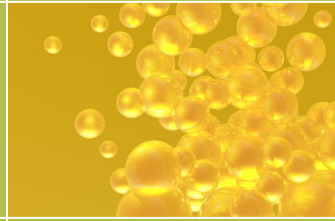


Eco-Syn

Rock Drill Oil



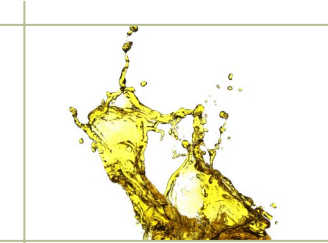
MAXIMUM PROTECTION | RELIABLE | ECO FRIENDLY

Eco-Syn Rock Drill Oils are inherently biodegradable, heavy duty rock drill lubricants designed to meet the lubrication demands of pneumatic tools, down-hole air bits, and surface drilling equipment. They are formulated with synthetic, cosmetic grade base oils to provide exceptional performance characteristics. **Eco-Syn Rock Drill Oils** provide superior lubrication, and corrosion protection. The adhesiveness and dispersability of **Eco-Syn** oils provide a lubricating film on the rock drill's moving parts which will withstand contact with water that is common in the compressed air that drives the piston in this machinery. **Eco-Syn's** extreme pressure performance provides consistent protection for the rock drill piston, rifle bar, and nut against the heavy shock loads that are typical of this application.

Eco-Syn Rock Drill Oils have proven excellent in many air operated tools such as jackhammers and drifters, as well as in oil and gas drilling, water well drilling, geothermal drilling, pile driving, and construction, and can be used in equipment where the possibility of a spill is a concern and the use of a biodegradable lubricant is desired.

Available in ISO grades 46, 68, 100, 150, 220, and 320

Eco-Syn Rock Drill Oils meet or exceed the specifications of Ingersoll-Rand, Atlas Copco, Gardner-Denver, Chicago Pneumatic, and other major equipment manufacturers for pneumatic and rock drill lubricants.



BENEFITS:

- **Long Equipment Life** : Exceptional pressure performance withstands heavy shock loads, protecting equipment against rapid wear.
- **Protection in Wet Environments** : Protects critical parts from the corrosive nature of wet environments.
- **Reliable in Wet Conditions** : **Eco-Syn Rock Drill Oils** provide a film that clings to lubricated parts, and resists being washed away by water in compressed air.
- **Multipurpose** : **Eco-Syn Rock Drill Oils** can be used for general purpose lubrication of gears, air tools, in hand oiling, and for chain drives.



RELIANT TECHNOLOGIES

performance | quality | service

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Reliant Technologies
 Across the South and Around the World...



Eco-Syn

Eco-Syn Rock Drill Oils technology driven additive package, based on proprietary chemistry is designed to shield drilling equipment from wear, rust, oxidation, and corrosion, while keeping internal surfaces clean. Eco-Syn provides exceptional performance at elevated temperatures, helping to improve efficiency and extend equipment life.



PERFORMANCE PROPERTIES

Physical Properties	ES 46	ES 68	ES 100	ES 150	ES 220	ES 320
ISO Grade	46	68	100	150	220	320
Specific Gravity	.87	.87	.87	.88	.88	.88
Viscosity @ 40°C	46	68	100	150	220	320
Viscosity @ 100°C	8.1	11.0	14.8	20.1	26.3	34.2
Viscosity Index (VI)	150	153	154	155	153	151
Pour Point °F (°C)	-27 (-33)	-26 (-32)	-22 (-30)	-22 (-30)	-11(-24)	0 (-18)
Flash Point °F (°C)	>400 (204)	>400 (204)	>400 (204)	>500 (260)	>500 (260)	>500(260)
Timken OK Load	60lbs	65lbs	65lbs	65lbs	70lbs	75lbs
Falex EP Fail Load	3500	3500	3500	3500	3500	3500
Copper Corrosion	1A	1A	1A	1A	1A	1A
Rust Test	Pass	Pass	Pass	Pass	Pass	Pass
Steam Emulsion Number	> 1200	> 1200	> 1200	> 1200	> 1200	> 1200
Tackifier	Yes	Yes	Yes	Yes	Yes	Yes

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