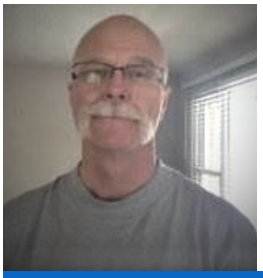
PolairDrill™ Polar Rock Drill Oils
Advantages of synthetic esters
25 Years - PolairDrill™ Polar rock drill oils / air tool lubricant
Powerful, economical protection for miners and equipment

What makes the synthetic esters used in PolairDrill™ oils superior to regular rock drill oils?

The lubrication requirements of a percussive drill are different than in applications without hammer action. The kinetic energy released as a result of the hammer contacting the drill rod can create temperatures over 570°F (299°C). Conventional mineral oil based RDOs begin to fail (coke) at temperatures in excess of 390°F (199°C), which explains why drills exhibit carbon buildup and excessive wear after the piston.

PolairDrill™ polar rock drill oils are formulated with high temperature tolerant esters which can withstand temperatures up to 600°F (315°C), approximately 200°F (93°C) higher than regular rock drill oils. The net result of this is reduced wear, which translates to cooler running tools, less fog and smoke formation, and longer service intervals before the tool needs to be repaired - better reliability, productivity, reduced time loss.

A quick examination of the advantages of synthetic esters online will reveal industry experience with the advantages of synthetic esters. Field tests using **PolairDrill™** polar rock drill oils side by side with a conventional rock drill oil was undertaken by Ray Neufeld, a senior Mechanical Superintendent with Cementation Americas.



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Ray Neufeld • 1st
Mechanical Superintendent at Cementation Americas
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Keith, Liquid Solutions oil is the best I have ever used for lubrication in drills and air motors, bar none. I have performed various tests on the oil myself in the actual working conditions to make sure it was what I wanted to use, I have run tests with traditional rock drill oil and Liquid Solutions side by side using identical motors driving hydraulic pumps at the same air pressure and the results spoke for themselves, Liquid Solutions oil is the only rock drill oil I will ever use

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