



Rotary Screw Synthetic Compressor Oil

ISO Grades: 32, 46, 68

Product Description

Manufactured from high purity group III synthetic base stocks to provide optimum operating and service-life results. A highly robust blend formulated to withstand high temperatures, varnish/sludge formation, and environmental contamination. Uses a unique additive system designed specifically to maximize compressor efficiency and provide optimum lubricity. It is completely demulsible – separates quickly, reduces condensate disposal costs and with a high flash point helps improved the safety margin. It also protects against the formation of oxidation by products and acidic materials which will eventually cause deposits and varnish, rust, oxidation, and foaming. It is non-hazardous and disposable with mineral-based compressor lubricants.

Applications

Relyant® Rotary Screw Synthetic Compressor Oil is generally recommended for use in rotary screw, reciprocating, rotary vane compressors and pumps. These oils are generally designed for applications with wider operating temperature ranges as compared to non-synthetic oils. The higher viscosity grade products are especially effective in high temperature applications, such as industrial bearings and gears that require an R&O type synthetic gear oil as well as soot blowers, where outstanding thermal and oxidative stability are required. It is compatible with most seals, plastics, and rubbers.

Typical Properties

Property	ISO 32	ISO 46	ISO 68
API Gravity @ 60°F	34.6	34.3	34.0
Viscosity @ 40°C (cSt)	32.1	46.5	68.0
Viscosity @ 100°C (cSt)	6.1	8.0	10.5
Viscosity Index	140	144	142
Flash Point (COC) °F	420	430	435
Pour Point °F(°C)	-45	-42	-39

* The values shown are typical of current production. Some are controlled in the manufacturing process, while others are not. All of them may vary within tolerable ranges.