



Product Information: Airtech XSE

Description

Airtech XSE is a premium quality compressor lubricant specifically designed for rotary screw compressors running at either very high or very low temperatures, or in severe applications where there can be no risk of varnish or carbon residue on compressor components. The product is formulated from a blend of polyalkylene glycol (PAG) and ester fluids; the product is highly fortified with anti-wear and anti-corrosion additives. Oil change intervals can be extended to 8,000 hours even at air discharge temperatures as high as 105°C

Applications

This product may be used to lubricate rotary screw compressors operating in severe applications, including high and low temperature extremes. It is suitable for use in compressors handling air and inert gases such as nitrogen, argon, hydrogen, neon, helium, carbon dioxide, carbon monoxide and blast furnace gas. It is compatible with standard seal and hose materials used in most compressors. The product should not be used to in systems compressing wet or sour hydrocarbon gases or the compression of oxygen or other chemically active gases such as chlorine or hydrogen chloride.

Performance Features

- Will not form varnish or carbon residues, even at very high operating temperatures
- Superb resistance to oxidation
- Keeps compressor components completely free of varnish, carbon and sludge
- Wide temperature service range
- Prolongs service life of working components
- Ensures trouble free operation
- Very low volatility
- Reduces compressor downtime

Typical Data

Characteristic	Unit	Result
Density @ 15.6°C	kg/l	0.987
Kinematic Viscosity @ 40°C	cSt	40.7
Kinematic Viscosity @ 100°C	cSt	7.6
Viscosity Index		157
Flashpoint (Closed)	°C	257
Pour Point	°C	-51

Figures based on average production values

Operational Considerations

The chemistry of this product has a natural tendency to dissolve and absorb water. For this reason it is not recommended in applications where there is potential for excessive water contamination or exposure to corrosive environments. It is not compatible with mineral oil based or other synthetic fluid chemistries and should not be mixed or contaminated with these fluids. Some compressors do not permit complete draining, so if the drained fluid is not compatible with the product, flushing or cleaning will be necessary to achieve successful fluid change over.