

Beyond Synthetic™

Uni-Chem™ is recommended for use in both rotary screw and sliding vane compressors in low pressure, inert and / or reducing gas compressor service(s).

Uni-Chem™ is an inert, ashless, multi-synthetic lubricant, which is chemically stable and free of impurities (such as vanadium, chlorine, inorganic chloride, amines, etc.) found in other mineral and synthetic oils. Uni-Chem™ is recommended for use with inert / reducing gases (such as nitrogen, hydrogen, helium, carbon monoxide, natural gas, methane, ethane, propane, butane, ethylene, etc.). Uni-Chem™ has a very high degree of natural lubricity and a tremendously powerful affinity for metal to protect against friction and corrosive wear. It also is extremely shear stable, very fluid, water resistant and resists dilution by gases (including hydrocarbon gases).

Performance Advantages:

Uni-Chem™ lubricants can be used in compressor applications requiring the above lubricant properties. Uni-Chem™ is an excellent choice for chemical plants requiring an ashless lubricant for lubrication of low pressure gas compressors requiring:

- **High Purity**
No or low reactivity with most process gases.
- **High Cleanliness**
Minimizes potential for deposits in equipment.
- **Longer Equipment Life**
Field proven to extend equipment life (\$80,000 annually at one plant).
- **Longer Oil Life**
Stable and non-reactive to extend drain intervals.

Note: Lighter grades normally used in rotary screw compressor; heavier grades for sliding vanes. For most high pressure compressor service, Royal Purple Crystal Clear® FDA is recommended.

Typical Properties*	Uni-Chem			
	46	68	100	150
Viscosity				
cSt @ 40°C	46	68	100	150
cSt @ 100°C	6.8	8.7	11.1	14.6
SUS @ 100°F	237	315	514	789
SUS @ 210°F	49	55	76	78
Viscosity Index	100	99	100	96
Flash Point, °F	385	390	390	390
Fire Point, °F	445	450	450	450
Pour Point, °F	-40	-40	-40	-40
Color	Bright Purple	Bright Purple	Bright Purple	Bright Purple

*Properties are typical and may vary