



High Performance Reciprocating, Rotary and Screw Air-Compressor SYNTHETIC oils

COMPREO S, synthetic rotary air compressor lubricants are based on polyalpha-olefin (PAO) technology and are mineral oil free.

These lubricants contain anti-wear additives to enhance lubrication, anti-oxidants to minimize oxidation and the formation of deposits and corrosion inhibitors to control the effects of moisture.

COMPREO S products are designed to provide a high level of performance in air compressors working under severe conditions.

The ISO 32 and 46 grades are recommended for rotary-screw compressors and the ISO 68 and 100 grades for reciprocating and rotary-vane type.

With their low carbon-formation tendencies and high oxidation resistance, they can also be used in circulatory systems of plain and rolling bearings operating at high temperatures.

COMPREO S lubricants fully meet the currently defined requirements of the ISO-L-DAH classification for rotary-screw compressor mineral oils, and show excellent oxidation resistance, as assessed by a rotary-compressor oxidation test (ROCOT).

The excellent oxidation stability of **VORTA** technology is demonstrated by the satisfactory results of service trials carried out using rotary-screw compressors operating in severe conditions (120°C) of over 6000 hours with no change of lubricant.

- Extended oil change intervals, thereby reduced servicing costs.
- Excellent anti-wear, anti-foam and air release performance in arduous conditions of heat and moisture.
- Rapid water separation and powerful anti-corrosion characteristics.
- Compatible with compressor seals of the type normally used with mineral oils.
- Low volatility compared to mineral oil, reduced lubricant carry-over.
- Reduced risk of explosions from high oxidation resistance and low deposit forming tendencies.



ISO Viscosity Grade

			32	46	68	100
Density @ 15°C	ASTM D1298	kG/l	0.83	0.83	0.84	0.85
Flash Point	ASTM D92	°C	238	257	265	265
Autogenous Ignition	ASTM D2155	°C	375	372	375	375
Kin Viscosity @ 40°C	ASTM D445	cSt	28.7	44.4	68.4	103.1
Kin Viscosity @ 100°C	ASTM D445	cSt	5.5	7.5	10.5	24.3
Viscosity Index	ASTM D2270	-	133	135	140	142
Pour Point	ASTM D97	°C	<-50	<-50	<-50	<-48
Conradson carbon residu		%/wt	0.01	0.01	0.02	0.02
FZG Gear Test (A/8.3/90°C)	IP 334	Pass Stage	12	12	12	12