

PROSERPINE SCO **SYNTHETIC COMPRESSOR OIL SERIES**

PROSERPINE SCO Series synthetic rotary air compressor lubricants are based on polyalpha olefin (PAO) technology and are mineral oil free. These lubricant 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.

PROSERPINE SCO products are designed to provide a high level of performance in air compressor working under severe conditions. The ISO VG 32 and 46 grade recommended for rotary-screw compressors and the ISO VG 68 and 100 grades for reciprocating and rotary-vane type. With their low carbon-formation tendencies and high oxidation resistance and high oxidation resistance, they can also be used in circulatory system of plain and rolling bearings operating at high temperatures.

PROSERPINE SCO 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 stability of DUPERSOL technology is demonstrated by the satisfactory results of service trials carried out using rotary screw compressor 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.

CHARACTERISTICS

DUPERSOL PROSERPINE SCO GRADE	METHOD	32	46	68	100
Density at 15 °C, kg/l	ASTM D1298	0.84	0.84	0.85	0.86
Flash Point, °C	ASTM D92	238	256	264	264
Kin Visc @ 40 °C, cSt	ASTM D445	29.6	45.2	68.2	102
Kin Visc @100 °C, cSt	ASTM D445	5.4	7.6	10.4	24.2
Viscosity Index	ASTM D2270	134	136	141	143
Pour Point, °C	ASTM D097	< - 50	< - 50	< - 50	< - 49
Autogenous Ignition, °C	ASTM D2155	376	373	376	376