SUPERIOR COMPRESSOR SEMI-SYNTHETIC
Air Compressor OIL

SUPERIOR COMPRESSOR SEMI-SYNTHETIC has been specially developed for screw or rotary vane compressors working either with air or inert gases such as nitrogen or carbon dioxide. These oils are also suitable for vacuum pumps with vacuum down to 0.005 mbar.

The oil used is a blend of synthetic and severely hydrotreated mineral oil chosen for resistance to oxidation. Blended into this are antioxidant additives to extend oil life to about 8,000 hours in screw compressors and 1,000 hours in rotary vane type. We recommend the use of oil analysis starting about midway through the expected life.

In rotary screw compressors use SUPERIOR COMPRESSOR SEMI-SYNTHETIC where the discharge temperature ranges up to 180°F (88°C).

Keep sealed drums and pails out of direct sunlight and at temperatures between 32°F (0°C) and 100°F (40°C). We recommend using the product within two years of opening the container.

BENEFITS:

- LONG OIL LIFE – low varnish and sludge
- ANTI-RUST – outstanding protection from corrosion
- NO FOAM – inhibits formation of foam
- ANTI-WEAR – additives protect your investment
- SEPARATION – rapid water separation

APPLICATIONS:

Screw or vane rotary compressors working with air or inert gases such as nitrogen, argon, neon, helium, carbon dioxide and carbon monoxide. These oils can also be used in vacuum pumps down to 0.005 mbar (0.00375 Torr).

ASTM #	CHARACTERISTICS					
	ISO Viscosity Grade	32	46	68	100	150
D-445	**Kinematic Viscosity** cSt @ 40°C cSt @ 100°C	 38 6.2	 47 7.0	 68 8.9	 102 11.4	 143 14.9
D-2270	**Viscosity Index**	108	107	101	97	104
D-97	**Pour Point,** °F (°C)	-33 (-36)	-27 (-33)	-22 (-30)	-17 (-27)	-11 (-24)
D-92	**Flash Point, °**F (°C) (Cleveland Open Cup)	446 (230)	475 (246)	473 (245)	500 (260)	518 (270)
D-524	**Carbon Residue** (Conradson carbon)	<0.1	<0.1	<0.1	<0.1	<0.1
D-892	**Foam Sequence** 1 2 3	 10/0 15/0 10/0	 10/0 15/0 10/0	 10/0 15/0 10/0	 10/0 15/0 10/0	 10/0 15/0 10/0

The above are typical values. Minor variations which do not affect product performance are to be expected in normal manufacturing.

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