

EMIRATES 1 COMPRESSOR OILS

(High Pressure Performance)

DESCRIPTION

EMIRATES 1 Compressor Oils (SYN) are fully synthetic, superior quality air compressor lubricants for extended oil drain intervals with discharge temperatures up to 200°C for stationary and mobile applications. Very effective in screw type compressors with oil injection cooling.

EMIRATES 1 Compressor Oils (Premium) are ash less air compressor oils, based on narrow cut high quality mineral oils. Used in almost all compressors, reciprocating, rotary screw and rotary vane type machines with discharge temperatures up to 150°C in stationary and mobile installations.

APPLICATIONS

EMIRATES 1 Compressor Oils are designed primarily for rotary screw and vane air compressor, particularly effective for continuous high temperature operation with discharge temperatures up to 200° C. Suitable for units with a history of excess oil degradation, poor valve performance or deposit formation & are compatible with all metals used in compressor construction and with mineral-oil compatible elastomers used in seals, O-rings and gaskets, compressor systems with critical gears and bearings, units operating under severe conditions. Reciprocating air compressor crankcases and cylinders.

EMIRATES 1 COMPRESSOR OILS are not recommended for air compressors used in breathing air applications.

Product Benefits

SYN SERIES

- Exceptional resistance to oxidative and thermal degradation
- Contribute to reduce fire risk as low oil volatility minimises carry-over
- Service life up to 8,000 hours
- Contribute to reduce maintenance costs, parts and labour
- Extended oil drain intervals
- Less potential for emulsion formation

Premium SERIES

- Excellent wear protection, offering extended equipment life
- Long-term protection against corrosion
- Reduced frequency of change of filter/ separators
- Highly effective rust and corrosion inhibition

TYPICAL TECHNICAL PROPERTIES

Compressor Oils	SYN			Premium				
ISO Viscosity Grade	32	46	68	32	46	68	100	150
Density at 15°C, g/ml, ASTM D4052	0.846	0.849	0.856	0.866	0.873	0.877	0.879	0.866
Kinematic Viscosity at 40°C, mm ² /s, ASTM D445	31.5	44	66.6	32	46	68	104.6	147.3
Kinematic Viscosity at 100°C, mm ² /s, ASTM D445	5.7	7.2	10.1	5.4	6.9	8.9	11.6	14.7
Viscosity Index, ASTM D2270	127	131	136	105	105	105	100	100
Flash Point(COC), °C, ASTM D92	245	246	246	236	238	251	264	269
Pour Point, °C, ASTM D97	-48	-45	-45	-27	-24	-21	-18	-18
Rust Characteristics; ASTM D665	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS

*C & B: Clear & Bright

Note: The information on this Product Data Sheet is believed to be accurate and is typical of current production. Specifications are subject to change without notice. For additional queries, please contact Emirates 1 Technical Service Department.

Health and Safety: Based on available information, this product is not expected to produce adverse effects on health when used for the intended application and the recommendations provided in the Material Safety Data Sheet (MSDS). Safety Data Sheets available on request.

Available in: Cartons: 12x 1 L, 24x1 L, 4x5L 6 x 4 L, 6 x 5 L, Pails: 20 L & 25 L, Drums: 200 L, 208 L