

Samic Rota R series

High Performance Air compressor lubricants



Product Data Sheet

Product Description

Samic Rota R series of lubricants are supreme performance air compressor oils formulated with high quality base stocks and advanced additive technology, to provide exceptional equipment protection and reliability for compressors operating under mild to severe conditions. They are designed to meet or exceed the requirements of DIN 51506 VD-L standards and demonstrate high resistance to oxidation and deposit formation.

Performance & Customer Benefits

- Outstanding thermal & oxidation stability helps in extending life of oil and filter.
- Excellent water separability reduces sludge build up in crankcase and discharge lines.
- Low ash and carbon formation improves valve performance and reduces potential for fire & explosion.
- Excellent load carrying properties reduces wear of rings, cylinders, bearings and gears.
- Excellent protection from rust and corrosion of multi-metallurgy compressor components.

Specifications & Recommendations

Samic Rota R series meets or exceeds following International and Builder specifications:

- DIN 51506 VD-L

Main Application

Samic Rota R series are suitable for use in Reciprocating and Rotary compressors, upto maximum compressed air temperature of 220 °C.

- Reciprocating air compressor crankcase & cylinders and Rotary screw & vane compressors.
- Axial and centrifugal compressors with critical gears and bearings.

These oils are not intended or suitable for use in air compressors for breathing applications.

Typical Physical Characteristics

Samic Rota R series	Test Method	Units	32	46	68	100	150
ISO Viscosity Grade	ISO 3448	-	32	46	68	100	150
Density @ 15 °C	ASTM D 4052	gm/cc	0.870	0.878	0.880	0.887	0.894
Viscosity @ 40 °C	ASTM D 445	cSt	32.4	46.8	68.9	100.8	150.2
Viscosity @ 100 °C	ASTM D 445	cSt	5.38	6.78	8.72	11.15	14.56
Viscosity Index	ASTM D 2270	-	98	98	98	95	95
Sulfated Ash	ASTM D 874	wt%	<0.01	<0.01	<0.01	<0.01	<0.01
Pour Point	ASTM D 97	°C	-27	-27	-21	-21	-18
Flash Point (COC)	ASTM D 92	°C	224	230	234	246	272
Copper Strip Corrosion	ASTM D 130	-	1B	1B	1B	1B	1B
Rust Characteristics Proc B	ASTM D 665	-	Pass	Pass	Pass	Pass	Pass
Foam Seq I,II,III	ASTM D 892	ml/ml	10/0	10/0	10/0	10/0	20/0

The above figures are typical of blends with normal production tolerance and do not constitute a specification.