



Product Data

Aircol SR Range

Synthetic air compressor lubricant

Description

The Castrol Aircol SR compressor oil range of premium lubricants are designed for use in rotary screw compressors and are based on polyalphaolefin (PAO) fluids

Application

Aircol SR is suitable for use in oil flooded rotary screw compressors and is classified as follows:

- DIN 51506 classification- VDL
- ISO 6743/3-DAG, DAH and DAJ for rotary air compressors

Aircol SR grades meet the requirements of:

- Atlas Copco 8000 hour oil drain interval
- Kaeser

Features and Benefits

- Increased oil service life
- Very low deposit forming tendency, extends service life of filters and separators
- Outstanding oxidation stability and antiwear performance providing long lubricant and equipment life
- Ester-free formulation eliminates the formation of corrosive acids leading to longer equipment life
- High viscosity index gives improved sealing at high discharge temperatures whilst still permitting operation at low ambient temperatures
- Excellent water separation characteristics allow condensation to readily separate from the oil, minimising the risk of emulsions which could block the oil separator element

Technical Data

Name	Method	Units	Aircol SR 32	Aircol SR 46	Aircol SR 68
ISO Viscosity Grade			32	46	68
Viscosity, Kinematic 40°C	ASTM D445	mm ² /s	32	46	68
Viscosity, Kinematic 100°C	ASTM D445	mm ² /s	6.1	7.8	10.7
Viscosity, Kinematic 0°C	ASTM D445	mm ² /s		437	
Viscosity Index	ASTM D2270		137	137	142
Density @ 15°C, Relative	ASTM D4052	g/ml	0.831	0.837	0.839
Flash Point, COC	ASTM D92	°C	264	264	264
Pour Point	ASTM D97	°C	-54	-54	-54
Rust Test (24hrs, Synthetic Sea Water)	ISO 7210 / IP 135B		Pass	Pass	Pass
RPVOT	ASTM D2272	mins	4500	3000	3000
FZG Gear Test (A/8.3/90)	DIN 51354		8	9	9

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

Care and Handling

Avoid prolonged or repeated contact with skin. Wash thoroughly after handling.

Storage

All packages should be stored under cover. Where outside storage is unavoidable drums should be laid horizontally to avoid the possible ingress of water and the obliteration of drum markings. Products should not be stored above 60°C, exposed to hot sun or freezing conditions.

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The Technology Centre, Whitchurch Hill, Pangbourne, Reading, RG8 7QR, United Kingdom

+44 (0)203 915 7991

www.castrol.com/globalbusiness