

Aircol MR

Rotary Screw Compressor Lubricant

Description

Aircol MR compressor oil range of premium lubricants are formulated from highly refined mineral oils and novel additive technology to give outstanding antiwear and antirust performance to meet the requirements of Atlas Copco and similar types of compressor design.

Application

Aircol MR incorporates a carefully balanced antioxidant system providing improved oxidative and thermal stability giving “extended” service life for both oil flooded and oil injected rotary screw compressors operating continuously at air discharge temperatures up to 90°C. The product has been designed to meet service drain intervals of 4000 hours. For intermittent or continuous operation with air discharge temperatures above 90°C the manufacturers’ standard oil change periods should be used.

The Aircol MR range is fully compatible with nitrile, silicone and fluropolymer seal materials.

Aircol MR is classified as ISO 6743-3 Compressor Oils DAG and DAH for rotary air compressors and meet the requirements of Atlas Copco for 4000 hour oil life.

Advantages

- Very low deposit forming tendencies extends oil change intervals and oil filter life which contributes to a reduction in maintenance costs.
- Good air/oil separation properties at the separator element reduces risk of oil carry over.
- Good antiwear protection reduces rotor wear.
- Excellent water separation characteristics allows condensation to readily separate from the oil, minimising the risk of emulsions which could block the oil separator element.
- Excellent oxidation and thermal stability minimises oil thickening and extends the oil separator life and reduces fouling of coolers & pipes.
- Prevents corrosion when operating under humid conditions.

Typical Characteristics

Tests	Methods	Units	MR 32	MR 46	MR 68
Appearance	Visual	-	Clear &Bright	Clear &Bright	Clear &Bright
ISO Viscosity Grade	-	-	32	46	68
Density @ 15°C	ASTM D4052	g/ml	0,867	0,875	0,880
Kinematic Viscosity @ 40°C	ASTM D445	mm ² /s	32	46	68
Kinematic Viscosity @ 100°C	ASTM D445	mm ² /s	-	6,83	8.6
Viscosity Index	ASTM D2270	-	-	110	106
Foam Sequence I	ASTM D892	ml/ml	0/0	0/0	0/0
Pour Point	ASTM D97	°C	-24	-24	-24
Flash Point, PMCC	ASTM D93	°C	198	198	204
Rust test - synthetic seawater (24 hrs)	ASTM D665B	-	Pass	Pass	Pass
Water Separation @ 54°C(40/37/3)	ASTM D1401	min	5	5	10
Oxidation Stability	ASTM D2272	min	-	700	700

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

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.

Castrol Aircol MR

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