MAK ROTOCOM C

Superior quality centrifugal air compressor oil

MAK Rotocom C oils are high quality, high performance mineral oils developed for centrifugal air compressors. They are formulated from highly refined, high viscosity index paraffinic base stocks and high performance additives. The lubricant creates a strong film in order to avoid surface wear. These oils have exceptional resistance to oxidation and thermal degradation. The thermal stability and oxidation resistance of these fluids can help maintain cleaner compressors, thereby enabling longer running periods between scheduled maintenance and oil changes. The outstanding anti-wear and corrosion protection are designed to enhance equipment life, while reducing maintenance requirements. They are designed to provide outstanding water separation property to ensure continuous efficient operation of compressor even in the presence of water. They exhibit reduced carbon forming tendency, anti-foam characteristics, rapid release of entrained air and excellent rust corrosion protection. MAK Rotocom C oils are compatible with seal materials and paints normally specified for use in compressor systems with mineral oils.

Grades: MAK Rotocom C oil range is available in the following ISO VG grades – **32** and **46.**

Applications:
MAK Rotocom C oil range is recommended for high pressure, high performance centrifugal single or multistage air compressors. They can also be used in other industrial pneumatic applications.

Performance/ Benefits:
Outstanding Oxidation Stability – outstanding resistance to the effects of oxidising agents. Resists sludge and deposit formation. Ensures longer operating life, less maintenance and reduction in operating cost.

Good Thermal Stability – provides good resistance to thermal break down and capability to work under varied ambient temperatures to offer optimum life and performance.

Excellent Wear Protection – excellent protection to the internal metal surfaces, bearings, valve and other system components. Advanced additive system is not reactive to the bearing materials. Operates on a wide range of load conditions – moderate to severe.

Excellent Demulsibility – the rate of water separation from oil is very high. Less carryover to downstream utilities. Reduced formation of sludge and deposit. Increases system efficiency and reliability.

Rapid Air Release and Resistance to Foaming – rapid release of foam and entrained air, protecting components from aeration and cavitation damage, leading to reduced wear.

Low Ash and Carbon Formation – reduces deposits in discharge lines and the potential fire hazards, improves valve and compressor performance.

Increased System Reliability and Safety – by resisting thermal and chemical break down of the oil these oils minimise the risk of formation of the harmful sludge and carbonaceous deposits. These deposits in the presence of heat from the compressed air may pose fire hazard.

Specification:
- Proprietary Grade

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Storage & Handling:
The product should be stored inside. Keep it properly sealed to avoid contamination. Avoid freezing. Shelf life is 5 yrs. under protected storage conditions.

Health & Safety:
They are unlikely to be hazardous when properly used in recommended applications. Contamination of the oil from other oils, greases, chemicals, dirty water etc. can occur during the use. It should be avoided. Regular monitoring of the in-use product is recommended.

Typical Physico-Chemical Data: MAK Rotocom C Oil

Characteristics	Method	32	46
Appearance	Visual	Clear & Bright	Clear & Bright
Density, g/cc @15^{O}C	ASTM D1298	0.851	0.855
Kinematic Viscosity @40^{O}C, cSt	ASTM D445	32.2	46.6
Kinematic Viscosity @100^{O}C, cSt	ASTM D445	5.65	7.21
Viscosity Index	ASTM D2270	115	115
Flash Point, COC, ^{O}C	ASTM D92	230	246
Pour Point, ^{O}C	ASTM D97	-18	-18
Copper Corrosion, 100^{O}C, 3 hrs.	ASTM D130	1a	1a
Rust Test	ASTM D665	Pass	Pass
Foaming Characteristics/ Stability, ml Sequence I/ II/ III	ASTM D892	 NIL	 NIL

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