

# MAK COMPRESSOR OIL S

Fully synthetic superior quality reciprocating air compressor oil

MAK Compressor Oil S is an advanced fully synthetic air compressor oil formulated with synthetic base stocks and high performance ashless additive system. It is intended for effective lubrication of severe duty Reciprocating air compressors and provides exceptional equipment protection and reliability for compressors operating at high discharge temperatures where mineral base compressor oils are not meeting performance expectations. Under high compression ratios and discharge pressures, MAK Compressor Oil S offers excellent wear protection, outstanding resistance to oxidation and thermal stability with reduced carbon forming tendency as compared to mineral base products. This unique formulation controls deposit formation, helps maintain cleaner compressors components thereby provides extended service life. Excellent film formation and lubricity of the product enhances equipment life, while reducing maintenance requirements.

**Grades:** MAK Compressor Oil S range is available in the following ISO VG grade –**100 & 150**

**Applications:**

MAK Compressor Oil S is recommended for high pressure, high performance reciprocating single or multistage air compressors. It is suitable for reciprocating compressors where air discharge temperature goes as high as 230°C.

**Performance/ Benefits:**

**Outstanding Oxidation Stability** – Outstanding oxidation resistance resists sludge and deposit formation. Ensures longer operating life, less maintenance and reduction in operating cost.

**Excellent Wear Protection** – Excellent film strength with improved lubricity provides greater protection to the internal metal surfaces, valve and other system components thus reduced maintenance cost.

**Excellent water separability**– As the rate of water separation from oil is very high there is less potential for emulsion formation and carryover to downstream utilities. Reduced formation of sludge and deposit.

**Low Ash and Carbon Formation** – Reduces deposits in discharge lines at high working temperatures and extends valve life.

**Increased System Reliability and Safety** – by resisting thermal and chemical break down of the oil these oils minimize the risk of formation of the harmful sludge and carbonaceous deposits.

**Performance level:** Proprietary grade

**Typical Physico-Chemical Data: MAK Compressor Oil S**

Characteristics	Method	100	150
Appearance	Visual	Clear & Bright	Clear & Bright
Density, g/cc @15°C	ASTM D1298	0.840	0.845
Kinematic Viscosity @40°C, cSt	ASTM D445	100.2	150.3
Kinematic Viscosity @100°C, cSt	ASTM D445	14.54	19.62
Viscosity Index	ASTM D2270	150	150
Flash Point, COC, °C	ASTM D92	242	248
Pour Point, °C	ASTM D97	-33	-33
Copper Corrosion, 100°C, 3 hrs.	ASTM D130	1b	1b
Rust Test	ASTM D665	Pass	Pass
Foaming Characteristics/ Stability, ml Sequence I/ II/ III	ASTM D892	NIL	NIL

**Storage & Handling:**

The product should be stored inside. Keep it properly sealed to avoid contamination. Avoid freezing. Shelf life is 3 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