MAK FREEZOL CS PLUS

Premium quality Refrigeration compressor oils

MAK Freezol CS Plus oil is blended using carefully selected highly mineral base oils in combination with performance additives designed for use in Refrigeration compressors. It has exceedingly low pour points and excellent fluidity promotes rapid lubricant circulation and system protection during cold starts. High solvency power and excellent low temperature properties of this product leads to good floc points for the recommended refrigerant–oil mixture. It is formulated to control system deposits and resulting extended drain interval in comparison to conventional mineral base Refrigeration compressor oils. It has good chemical stability and suitable for use in many types of refrigeration systems. It ensures high condenser efficiency and provides maximum wear protection to the compressor systems.

Applications:

MAK Freezol CS Plus is recommended for cylinder and bearing lubrication of a wide range of domestic and industrial refrigeration and air conditioning compressors. They can be used in both reciprocating and rotary compressors using either ammonia or conventional CFCs or HCFCs refrigerants.

They are used in the lubrication of all types of refrigeration compressors operating at moderate evaporator temperatures (avg. -45°C depending upon grades) and thermal loads. They can be used in open, hermetically sealed or semi-sealed industrial type Compressors. MAK Freezol CS Plus can also be used for general lubrication of other machineries operating at sub-zero temperatures.

Performance/ Benefits:

High Quality Base Oils – Superior quality selected base oils assure exceedingly low temperature properties and excellent heat transfer even at low temperatures.

Low pour point – Low temperature fluidity ensures prevents evaporator blocking and contributes optimum thermal exchange.

Excellent thermal & oxidation stability – Provides resistance to oxidative and thermal breakdown and reduces deposits and sludge formation thereby keeping the compressor clean and ensuring longer service life.

Good Lubrication Property – Provides maximum wear protection and improves system performance and efficiency.

Specification:

- Proprietary Grade

Typical Physico-Chemical Data: MAK FREEZOL CS PLUS

Characteristics	Method	VG 68
Colour	Visual	Dark
Appearance	Visual	Clear & Bright
Density, g/cc @29.5°C	ASTM D1298	0.900
Kinematic Viscosity @40°C, cSt	ASTM D445	65.5
Flash Point, COC, °C	ASTM D92	200
Pour Point, °C	ASTM D 97	-39
Copper Corrosion, 100°C, 3 hrs.	ASTM D130	1a

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 during the use. It should be avoided. Regular monitoring of the in-use product is recommended.

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