

COOL-PLUS ALKYL-B 46

REFRIGERATION OILS

322200601

DYADE
LUBRICANTS



ALKYL BENZENE REFRIGERATION COMPRESSOR FLUID

These high-end refrigeration compressor lubricants belong to the alkyl benzene category of synthetic hydrocarbons. They are designed for use in extremely low temperature environments, ranging from -60 to -100 °C, due to their exceptional ability to blend with critical fluorocarbon refrigerants. These products have superior physical characteristics and offer high levels of chemical and thermal stability, ensuring outstanding cleanliness. These lubricant oils are suitable for use with all types of refrigeration compressors, whether reciprocating (piston) or rotary (including modern screw type compressors). They are highly recommended for use with fluorocarbon refrigerants, as well as other commonly used refrigerants such as ammonia. However, it is important to note that they should not be used with sulphur dioxide. The specific viscosity grade to be used should be determined in accordance with the compressor manufacturer's recommendations, taking into consideration the operating conditions (temperature and pressure) and refrigerant/oil mixture characteristics (solubility).

CATEGORY

- Refrigeration Fluids

BENEFITS

- Excellent chemical stability preventing reaction with refrigerants
- High thermal stability for long service life
- Available in ISO viscosity grades: V6 68 and 100
- Low floc point - withstands very low temperatures without wax precipitation with R12 refrigerant
- Solubility characteristics with halogenated refrigerants superior to mineral oils
- High dielectric strength - exceptionally low moisture content
- Good resistance to foaming

PROPERTY

PROPERTY	METHOD	VALUE
FOUT	ASTM D445	45
FOUT	ASTM D445	7
Auto ignition point, °C	ASTM E659	324
Pour point, °C	ASTM D97	- 43
Flash point, °C	ASTM D92	216
Density @ 15 °C, kg/dm ³	ASTM D4052	0.860
Copper corrosion 24h @ 100 °C	ASTM D4048	1a
TAN, mg KOH/g	ASTM D664	0.02

All data on this technical data sheet is indicative only

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