

TECHNICAL DATA SHEET

AIMOL Cooltech AB

Alkyl benzene refrigeration compressor fluid

DESCRIPTION

AIMOL Cooltech AB series lubricants are premium quality refrigeration compressor lubricants of the alkyl benzene type. These synthetic hydrocarbon products can be used for very low temperature applications (-60 to -100°C) on account of their superior miscibility characteristics with critical fluorcarbon refrigerants. They have excellent physical properties and high degree of chemical and thermal stability assurance with outstanding cleanliness

BENEFITS

- Excellent chemical stability preventing reaction with refrigerants
- High thermal stability for long service life
- Available in ISO viscosity grades: VG 46, 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

APPLICATIONS

AIMOL Cooltech AB series lubricants oils are recommended for all refrigeration compressor types; reciprocating (piston) or rotary (including modern screw type compressors). They are exceptionally well suited for use with fluorocarbon refrigerants, besides other common refrigerants such as ammonia. They should not, however, be used with sulphur dioxide. The specific viscosity grade should be selected in accordance with the compressor manufacturers recommendations. Operating conditions (temperature and pressure) and refrigerant/oil mixture characteristics (solubility) are used by the manufacturer to determine the appropriate viscosity required.

GAS TYPE COMPATIBILITY

AIMOL Cooltech AB is suitable for processing the following gases:

R502	R22	R402a	R401a
R409a	R124	R408a	

TYPICAL FIGURES

Parameter	Test method	AB 46	AB 68	AB 100
Viscosity @ 40°C	ASTM D445	45	67	90
Viscosity @ 100°C	ASTM D445	7	9.2	11.2
Auto ignition point, °C	-	324	332	341
Pour point, °C	ASTM D97	- 43	- 41	-35
Flash point, °C	ASTM D92	216	226	323
Density @ 15°C, kg/l	ASTM D4052	0,860	0,860	0,860
Copper corrosion, 24hr	-	1a	1a	1a
TAN	-	0,02	0,02	0,02

TECHNICAL DATA INFO LINE

Should you require additional information or advice on AIMOL products, please contact us as per the details below.

HEALTH AND SAFETY

AIMOL Cooltech AB has no adverse health effects provided it is used as directed.

Typical figures as indicated may vary per production cycle and can change at manufacturers' option. Specifications, however, are guaranteed. Because of continuous product research and development, the information within this data sheet is subject to change without any notification. Although every effort is made to ensure accurate information, A.I.M. bv accepts no liability for any loss or damage suffered caused by the incorrectness and/or incompleteness of this text, and as a result of using this product for any application other than explicitly stated in this data sheet.

ANGLO INTERNATIONAL MINING B.V
Haringvliet 543, 3011 ZP Rotterdam
The Netherlands
www.aimol.nl
T +31 (0)10 28 27 927
E-mail: info@aimol.nl

Version 5/6/2015