TECHNICAL DATA SHEET

AIMOL Refrigerator Oil

Compressor lubricant for CFC refrigeration systems

DESCRIPTION

AIMOL Refrigerator Oil is formulated for use in refrigeration systems that use chlorinated fluorocarbon refrigerants. It is a highly refined naphthenic oil with excellent low temperature properties and a very low wax content in order to avoid flocculation problems in service.

BENEFITS

- Greater chemical resistance against reactions with the refrigerant;
- Better fluidity at lower temperatures which warrant a better efficiency and avoids blockage of pipes and coolers;
- Good dispersibility for optimal heat transfer and oil return.

APPLICATIONS

AIMOL Refrigerator Oil recommended for general purpose lubrication of refrigerator compressors working with CFC (chlorinated fluorocarbon) refrigerants such as R11 and R12. It may also be used for HCFC (hydro chlorinated fluorocarbon) refrigerants such as R22, R123, R-124, R-141b, R142b, R-502 and Methyl Chloride, Carbon Dioxide (R-744) and Ammonia (R-717) at moderate temperatures. AIMOL Refrigerator Oil is not suitable for use with HFC refrigerants such as R134a or R23.

GAS TYPE SUITABILITY

AIMOL Refrigerator Oil is suitable for processing the following gases:

R11	R12	R502	R22	R123
R414b	R142b	R124	R401a	R409a
R290	R600/600a	R502	R717	R744

TYPICAL FIGURES

	Test Method	32	46	68	100	150
Appearance	Visual	Bright and Clear				
Colour	ASTM D1500	1				
Specific Gravity @15 ˚C		0.910	0.914	0.916	0.924	0.930
Viscosity at 40 ˚C, cSt	ASTM D	30	43	55	100	143
Viscosity at 100 ˚C, cSt	ASTM D	4.4	5.3	5.9	8.4	9.8
Pour Point, ˚C	ASTM D97	-40	-37	-36	-24	-23
Flash Point, ˚C	ASTM D92	168	175	179	182	194
Copper corrosion, 24 hrs / 150 ˚C	ASTM D130	1b	1b	1b	1b	1b
Dielectric strength, kV	IEC 156	45	45	45	45	45
Dissipation factor @ 25 ˚C 2 mm	IEC	0.01	0.01	0.01	0.01	0.01
Water content, ppm max.	ASTM D1533	50	50	50	50	50
Freon 12 insoluble, wt. % max.	DIN 51590	0.05	0.05	0.05	0.05	0.05

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 Refrigerator Oil has no adverse health effects provided it is used as directed.

DISCLAIMER

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.

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