



REF

PRODUCT DESCRIPTION:

REF refrigeration oils are premium quality naphthenic oils, blended for use in refrigeration compressors.

APPLICATION:

REF refrigeration oils are recommended for use in refrigeration compressors and other low-temperature applications, including air conditioning systems. They are recommended for other extremely low temperature applications requiring low temperature fluidity and flocc points of -50°F or lower. Not recommended for use with hydrofluorocarbons (HFC) such as R-134A.

FEATURES & BENEFITS:

- Light color
- Low acid number
- Low pour and flocc points
- Excellent foam resistance
- Good seal control
- Control stability and compatibility with refrigerants

PERFORMANCE LEVELS: Meets and Exceeds:

- DIN 51503 KAA, KC and KE
- Naphthenic oil without additives

TYPICAL PROPERTIES:

PARAMETERS	TEST METHOD	UNIT	REF			
Grade			32	46	68	100
Refrigerator Oil Group	DIN - 51503	-	KAA, KC, KE			
Kinematic Viscosity @ 104 °F / 40 °C	ASTM D-7042	cSt	TBR	TBR	TBR	TBR
Kinematic Viscosity @ 212 °F / 100 °C	ASTM D-7042	cSt	4.6	5.6	7	8.8
Density @15 °C	ASTM D-1298	g/ml	TBR	TBR	TBR	TBR
Neutralization Value		mgKOH/g	<0.05	<0.05	<0.05	<0.05
Density @15 °C / 60 °F	ASTM D-4052	g/cm ³	TBR	TBR	TBR	TBR
Flash Point (min)	ASTM D-92	°C	192	204	216	220
Pour Point (max)	ASTM D-97	°C	-24	-24	-21	-18

DISCLAIMER:

The test data mentioned above is not a definitive specification but serves as an indication and may fluctuate within acceptable production tolerances. Venom retains the right to alter this test data. Any updated information will replace previous versions, so please consult the latest Technical Data Sheet (TDS).

HEALTH & SAFETY, ENVIRONMENT:

Extended and repeated exposure to oil can lead to skin conditions. Please avoid contact. If you do come into contact with oil, wash the affected area immediately with soap and water. Do not dispose of used oil down drains or into the environment; instead, take it to an authorized used oil collection point.

HEALTH & SAFETY:

This product is unlikely to pose significant health or safety risks when used properly in the recommended application and with good personal hygiene practices. For more information, please refer to the Safety Data Sheet (SDS), which is available upon request from your local sales office.

PROTECT THE ENVIRONMENT:

Please take used oil to an authorized collection point and adhere to local regulations. Do not discharge it into drains, soil, or water.

STORAGE:

We recommend storing all packages in a covered area. If outdoor storage is necessary, drums should be positioned horizontally to prevent water ingress and protect the markings. Products should never be stored above 60°C or exposed to direct sunlight or freezing temperatures.