

HIFREEZE A

ISO VG 68

Product Description

Compressor oil designed for use in refrigeration systems, produced from highly refined paraffinic base oils which provide good oxidation stability. HIFREEZE A is suitable for lubrications of industrial refrigeration compressors using ammonia refrigerant.

Benefits

- **Against foaming and oxidation reaction and enhance thermal stability.**
- **Minimizes the formation of gum, varnish and sludge deposits.**
- **Provides low pour point and low temperature fluidity.**

Applications

- **Designed for use in ammonia (R717) or Hydrocarbon (R290) refrigeration systems.**
- **Not recommended for use in CFC, HCFC and HFC refrigeration system.**

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Typical Characteristics

Tests	Methods	Units	Results
			68
Kinematic Viscosity at 40 °C	ASTM D 445	mm ² /s	66.98
Kinematic Viscosity at 100 °C	ASTM D 445	mm ² /s	8.949
Viscosity Index	ASTM D 2270		108
Density at 15 °C	ASTM D 4052	g/cm ³	0.860
Flash Point (COC)	ASTM D 92	°C	250
Pour Point	ASTM D 5950	°C	-42
Copper Strip Corrosion, 1h, 100°C	ASTM D 130		1b
Water Content	ASTM D 6304	%wt	20
Total Acid Number	ASTM D 664	mgKOH/g	0.01

Performance Standards

- DIN 51503 KAA and KE

Health and Safety

This product shows no significant health or safety hazard when used under the recommended applications and suitable handling.

Avoid the direct contact. Wash immediately after contact. Health and safety information is available on the Safety Data Sheet (SDS) which can be obtained from <http://pttlubricants.pttor.com>

PTT LUBE SOLUTIONS Professional Lubricant Service Partner



The product can cause some skin irritation and has flash point higher than 93.4°C

Note: Data and information contained in this publication are based on standard test under laboratory conditions and/or performance test. To consider the use of PTT Lubricants' products in particular application, customer is responsible for determining whether product and information are appropriate for customer conditions or should consult with PTT Lubricants' technical service division. The procedure of using any lubricant may differ or change depended on different machines and their manuals. Therefore, we recommend to read, understand and review the latest SDS in order to ensure the use of product is accomplished safety.

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