

RIDA REFRIGERATION COMPRESSOR OIL

- *Anti-wear protection*
- *Oxidation resistance*
- *Anti-foam performance*
- *Resist Water Contamination*

RIDA Refrigeration Compressor Oil is a Formulated using mineral base stocks which provide extremely good oil life and lubricant stability even when subjected to unusually high thermal stresses and chemical break down; this property minimizes sludge and deposit formation. It is designed for the lubrication of refrigeration and air conditioning compressors with good chemical stability when working with commonly used refrigerants.

Designed to Perform

Oxidation Resistance – Rida Refrigeration Compressor Oils provide a good oxidation resistance that protects the rotary compressor internals by slowing down the rate of oxidation, acid formation and minimizes the production of fine metal particles. Additionally, this property helps to extends oil life particularly when subjected to unusually high thermal stresses thus maintenance costs are therefore reduced.

Anti-wear, Anti-corrosion & Anti-rust Protection – Longer Equipment Life, proven anti wear, anti-corrosion and anti-rust additive packages provide greater resistance and extend compressor life and provides low maintenance costs. These properties of Rida Refrigeration Compressor Oils prevent rust development on the airend or any adjacent component of the refrigeration compressor system thus preventing the moisture absorption of its metal parts.

Antifoam – Increased Performance
Easy release of entrained air which will protects in over heating of the system and protects the oil surface area in further exposure to oxygen.

Demulsibility – Component of Life Extension
Prevent the formation of water in oil emulsion and readily separates from water and help to reduce carryover to downstream equipment. It helps reduce blockage of coalescers, coolers and less potential for emulsion formation.

Performance Characteristics

Rida Refrigeration Compressor Oils is recommended for units with a history of excess oil degradation, poor valve performance or deposit formation. Refrigeration's Oils are compatible with various seal materials (rubber) compatible with mineral base oils. This helps prevent premature failure of seals and thus avoid leakage and loss of efficiency. It is suitable for use in refrigeration compressors operating under moderate evaporator temperature conditions and thermal loads, including open and semi-sealed industrial types.

Rida Refrigeration Compressor Oil is designed to provide long service life in most compressor applications. The thermal stability and oxidation resistance of these fluids can help to maintain cleaner compressors, thereby enabling longer running periods between scheduled maintenance and oil changes. The outstanding anti-wear and corrosion protection are designed to enhance equipment life, while reducing maintenance requirements.

Technical Data Sheet (TDS)



RIDA Lubricants Refrigeration Compressor Oils

Meets the requirements of the following specifications:

- ✓ DIN 51506 VDL
- ✓ ISO / DIS - 6521
- ✓ Meets requirements of rust test ASTM D-665 A and B.

Typical Physical Characteristics

Property	Units	Test Methods	Refrigeration Compressor Oil						
			22	32	46	68	100	150	220
ISO Viscosity Grade			22	32	46	68	100	150	220
Kinematic Viscosity at 40°C	cSt	ASTM D445	22	32	46	68	100	150	220
Viscosity Index		ASTM D4292	≥ 95	≥ 95	≥ 95	≥ 95	≥ 95	≥ 95	≥ 95
Flash Point (COC)	°C	ASTM D92	≥ 230	≥ 230	≥ 230	≥ 240	≥ 240	≥ 240	≥ 240
Pour Point	°C	ASTM D97	-21	-21	-18	-18	-15	-15	-12
Density at 15°C	kg/m ³	ASTM 4052	0.86	0.865	0.869	0.875	0.88	0.88	0.88

These characteristics are typical of current product methods whilst future production will conform to Rida Lubricants specifications, variations in these physical characteristics may occur.

Health & Safety Environment

- ✓ This product is unlikely to present any significant health and safety hazard when properly used in the recommended application and good standards of personal hygiene are maintained.
- ✓ Avoid contact with eyes and skin, use proper impervious gloves with used oil. After skin contact, wash immediately with soap and water. Guidance on health and safety is available on the appropriate Material Safety Data Sheet (MSDS) which can be obtained from www.ridalubs.com

Protect the Environment

- ✓ Take used oil to an authorized collection point. Do not discharge used or new oil into drains, soil or water.

Additional Information

- ✓ Technical advice on any applications not covered here may be obtained from your Rida Lubricants Representative.