

REFRICOOL ISO 220



Description

BENZOL® Refricool ISO 220 is high quality circulating oil designed for lubrication of compressors using ammonia as refrigerant. It is formulated with highly paraffinic base oils which is effective in subzero cooling capacity. **BENZOL®** Refricool ISO 220 is chemically and thermally stable which minimizes the formation of harmful varnish and sludge deposits. It also effective in protecting compressor parts from rust & corrosion and provides longer service life.



Applications

BENZOL® Refricool ISO 220 Oil is recommended for Reciprocating and Rotary Screw compressors used in industrial refrigeration/chilling systems using ammonia as refrigerant such as cold storage refrigeration system and it is compatible with all seal elastomers. It is not recommended for refrigeration systems which uses CFC, HCFC, HFC refrigerants. It is suitable for use in compressors which provides the evaporator temperature above -32°C.

Specifications and Approvals

NSF H1, FDA 21 CFR 178.3570, Burckhardt VSB 1001180

Technical Specifications

| Tests | Method | Results |
|-------------------------|-----------|----------------|
| Appearance | Visual | Clear & Bright |
| Water | Hot Plate | Nil |
| Color | D-1500 | L1.0 |
| Density @ 15 °C, kg/L | D-1298 | 0.8881 |
| Viscosity @ 100 °C, cSt | D-445 | 19.86 |
| Viscosity @ 40 °C, cSt | D-445 | 220 |
| Viscosity index | D-2270 | 103 |
| Flash Point, °C (COC) | D-92 | 246 |
| Pour Point, °C | D-97 | -24 |
| Foam SEQ.I/II/III | D-892 | 0/0/0 |

Performance Benefits

- Low miscibility with ammonia.
- Limits oil thinning and minimizes oil carryover.
- Resists emulsification.
- Excellent low temperature performance.
- Good seal swelling technology.
- Low volatility tendency.
- Long drain intervals.
- Resists oil degradation.
- Reduces foam formation.
- Good thermal and oxidation stability.

Product/Part Number

| | | | |
|------------|---------|------------|---------|
| RF11000511 | 1 x 20 | RF11000531 | 1 x 25 |
| RF11000561 | 1 x 200 | RF11000571 | 1 x 208 |
| RF11000601 | 1x1000 | | |

HEALTH AND SAFETY

This product is not expected to have adverse health implications when used for its intended application. For detailed information on safe handling of this product, refer to its Material Safety Data Sheet (MSDS). To obtain an MSDS on this or any other BENZOL products, please visit www.benzollubricants.de

