



PRODUCT DATA SHEET



REFRIGERATION COMPRESSOR OIL 68

Refrigeration Compressor Oil 68 is formulated with highly refined and specially treated petroleum base stocks to have good natural oxidation resistance and very low carbon residue. Due to careful processing, **Refrigeration Compressor Oil 68** is free of moisture and traces of wax, resulting in excellent fluidity characteristics at low temperatures. In addition, the purity of **Refrigeration Compressor Oil 68** imparts excellent resistance to the formation of harmful deposits at higher operating temperatures. The resistance to residue formation, oxidation resistance, and purity of this oil makes **Refrigeration Compressor Oil 68** ideal for those who want to lengthen oil change intervals in their compressors. **Refrigeration Compressor Oil 68** meets many OEM lubricant requirements, for instance, Frick #3, #9 Oil and GEA FES #1 Oil.

Applications

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- ◆ Industrial rotary screw, reciprocating, or rotary vane compressors in ammonia refrigeration systems

Features and Benefits

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| ◆ Free of moisture and wax | Low temperature fluidity. |
| ◆ Excellent pour point | Low temperature pumpability. |
| ◆ Oxidation resistance and low volatility | Longer change-out intervals. |
| ◆ Very low carbon residues | Very low level of deposit formation. |
| ◆ USDA H2 rated | Acceptable in food plants where there is no possibility of food contact. |

General Description

Refrigeration Compressor Oil 68 is chemically inert to refrigerants and the refrigerant system components. **Refrigeration Compressor Oil 68** is intended for use in industrial compressors used in most air conditioning units, ice plants and cold box process work. **Refrigeration Compressor Oil 68** can be used when ammonia is the refrigerant.

Product No. 301062

REFRIGERATION COMPRESSOR OIL 68

TYPICAL PROPERTIES

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| <u>Product No.</u> | <u>301062</u> |
| <u>Old Product No.</u> | <u>62980</u> |
| ISO Viscosity Grade | 68 |
| Viscosity, ASTM D445 | |
| @ 40°C, cSt | 67.9 |
| @ 100°C, cSt | 9.19 |
| Viscosity, ASTM D2161 | |
| @ 100°F, SUS | 351 |
| @ 210°F, SUS | 57.3 |
| Viscosity Index, ASTM D2270 | 112 |
| Rust Test, ASTM D665, Procedure A & B | Pass |
| Pour Point, ASTM D97 | |
| °C | -38 |
| (°F) | (-39) |
| Oxidation Stability by RPVOT or RBOT | |
| ASTM D2272, min | 603 |
| Total Acid Number, ASTM D974, mg KOH/g | 0.05 |
| Dielectric Strength, ASTM D877 | |
| Kilovolts (kV) | >35 |
| Flash Point, ASTM D92 | |
| °C | 258 |
| (°F) | (496) |
| Specific Gravity, ASTM D1298, 60/60°F | 0.868 |
| Color | Pale yellow |