PRODUCT DATA SHEET

REFRIGERATION COMPRESSOR OIL 68

Refrigeration Compressor Oil 68, commonly known as Bel-Ray Refrigeration Oil 300, 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

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

Features and Benefits

♦ 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 or carbon dioxide is the refrigerant.

Product No. 62980

Bel-Ray Company, LLC • P.O. Box 526 • Farmingdale, NJ 07727 USA
TEL +1 732-938-2421 • FAX +1 732-938-4232 • www.belray.com

REFRIGERATION COMPRESSOR OIL 68

TYPICAL PROPERTIES

Product No.	***62980***
ISO Viscosity Grade	68
Viscosity, ASTM D445	
@ 40ºC, cSt	67.9
@ 100ºC, cSt	9.19
Viscosity, ASTM D2161	
@ 100ºF, SUS	351
@ 210ºF, SUS	57.3
Viscosity Index, ASTM D2270	112
Rust Test, ASTM D665, Procedure A & B	Pass
Pour Point, ASTM D97	
ºC	-38
(ºF)	(-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	
ºC	258
(ºF)	(496)
Specific Gravity, ASTM D1298, 60/60ºF	0.868
Color	Pale yellow

Bel-Ray Company, LLC • P.O. Box 526 • Farmingdale, NJ 07727 USA
TEL +1 732-938-2421 • FAX +1 732-938-4232 • www.belray.com