

Synblend Refrigeration

Ammonia Compressor Oil

No. 902

ISO 32, 46, 68, 100

DISCRIPTION:

Synblend Refrigeration Ammonia Compressor Oil is specifically designed for use in industrial closed loop ammonia refrigeration systems. **Synblend** is blended from highly refined paraffinic base stocks and select additives that have lower wax content versus the “essentially” or “virtually” wax free oils. **Synblend** consistently outperforms conventional naphthenic and solvent refined mineral oils in rotary screw and reciprocating compressors in ammonia refrigeration applications.

FEATURES:

Synblend is formulated using Group II+ hydro-treated base stocks. These base stocks contain less than one percent of the impurities typically found in naphthenic and solvent refined mineral oils. **Synblend** is superior to naphthenic and solvent refined mineral refrigeration oils in the critical performance areas of lubrication, thermal stability, and reduction of oil carryover. The Group II+ Base Stocks used in **Synblend** maintain a stable viscosity, reduce sludge and harmful deposits and provide maximum protection to critical compressor components.

PERFORMACE CHARACTERISTICS:

- Improves system efficiency
- Extends drain intervals and compressor life
- Maintains viscosity grade thousands of hours longer than solvent refined oils
- Compatible with naphthenic, PAO, alkylbenzene and paraffinic based compressor oils
- Compatible with seal elastomers commonly used, including Buna-N, Neoprene and NBR
- Low volatility
- Less oil carry over into the system
- Reduces add oil
- Reduces sludge and carbon buildup
- Does not mix with water to form an emulsion
- Low foaming

TYPICAL APPLICATIONS:

Synblend is approved by or meets the requirements of most major compressor OEM’s including:

- Bitzer
- Frigoscandia
- Grasso
- Howden
- Huppman
- Sullair
- Vilter
- Mayekawa/Mycom (screw compressors)

PERFORMANCE PRODUCTS GUARANTEED

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SUMMARY:

Synblend Ammonia Compressor Oil is specifically designed for use in industrial refrigeration closed loop ammonia (R-717) systems. **Synblend** is designed to have a minimum mixing of oil in the refrigerant. This reduces the amount of make-up oil and reduces the amount of oil that must be removed from the low side of the system, downstream from the compressor. **Synblend** greatly reduces equipment wear, labor costs and annual oil costs.

TYPICAL SPECIFICATIONS:

ISO Grade	32	46	68	100
Viscosity @ 40° C, cSt:	31.5	44.5	69	100.94
@ 100° C, cSt:	5.32	6.44	8.8	11.26
Viscosity Index:	103	101	100	99
Flash Point, COC, °F	455	460	475	515
Pour Point, °F:	-53	-49	-45	-40
Specific Gravity, 60°F	0.8621	0.8671	0.8670	0.8752

Values shown here are typical, and may vary.