



XR 208-68

Ammonia Refrigeration Fluid

Product Description

XR 208-68 is a high performance ammonia compressor lubricant based on severely hydrocracked, isodewaxed base oil. XR 208-68 is formulated with an advanced additive system developed for effectiveness in an aggressive ammonia environment and includes a seal conditioning additive to prevent seal leakage in older systems being converted to this lubricant. This product displays excellent thermal, oxidative, and hydrolytic stability allowing for extended drain intervals. The stable viscosity and low pour point make the product very effective in applications where temperature extremes are required. XR 208-68 provides very low foaming performance in ammonia systems.

Applications*

- Reciprocating and rotary screw compressors
- Ammonia refrigeration applications
- Ammonia process gas applications

* To assure proper lubricant selection, please consult your Xaerus Performance Fluids representative

Features and Benefits

Feature	Potential Benefit
Chemical stability in presence of ammonia	Prevents sludge formation Increased evaporator efficiency in refrigeration systems Less "top up" oil needed Minimize maintenance cost Extended drain intervals
Seal conditioning formulation	Minimize oil leaks in older systems converted to this product
Very good thermal and oxidative stability	Minimal vapor phase oil carryover to downstream equipment Longer oil life Longer filter life Minimize maintenance costs
Low dissolved water content	Maximum bearing and equipment life Better gas/oil separation in coalescing filters Decreases potential of emulsions
High viscosity index and low pour point	Better oil return from evaporator Less wear at start up Ability to flow at low temperatures More protection at high operating temperatures

Health and Safety

Based on available information, XR 208-68 is a non-toxic, non-hazardous product that is not expected to cause any adverse health effects when used as designed. Users are advised to follow the recommendations provided in the MSDS.

Typical Properties

Criteria	Value	Method
Viscosity cSt @ 40° C	65.2	ASTM D-445
Viscosity cSt @ 100° C	8.4	ASTM D-445
Viscosity Index	99	ASTM D2270
Acid Value, mg KOH/gm	<0.05	ASTM D-974
Moisture, ppm	<50	ASTM D-1744
Specific Gravity @ 60°F/15.6° C	0.873	ASTM D-4052
Density @60°F/15.6°C, lb/gal	7.28	ASTM D-4052
Flash Point, °F/°C	470/244	ASTM D-92
Pour Point, °F/°C	-44/-42	ASTM D-97

Notice: The information and statements above are based on information we believe to be reliable; however, we expressly do not represent, warrant or guarantee the accuracy, completeness, or reliability of the same.