

XR 209-68

Ammonia Compressor Lubricant

Product Descriptions

XR 209-68 is a high performance ammonia compressor lubricant based on severely hydrocracked, isodewaxed paraffinic base oil. XR209-68 is formulated with an advanced additive system developed for effectiveness in an aggressive ammonia environment. 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 209-68 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.*

Packaging

- 1 US Quarts
- 5 US Gallon
- 55 US Gallon
- Totes

Product Features

- Chemical stability in the presence of ammonia
- High viscosity index and low pour point
- Rust and corrosion protection
- Excellent thermal stability
- Low water content

Potential Benefits

- Prevents sludge formation
- Increased evaporator efficiency
- Extended drain intervals
- Minimize oil leaks in older systems
- Maximum bearing, cooler and equipment life
- Minimal vapor phase oil carryover to downstream equipment
- Longer oil life
- Longer filter life
- Minimize maintenance costs

Physical Properties

| Criteria | Value | Method |
|---------------------------------|---------|-------------|
| Viscosity cSt @ 40° C | 68.2 | ASTM D-445 |
| Viscosity cSt @ 100° C | 8.8 | ASTM D-445 |
| Viscosity Index | 102 | ASTM D2270 |
| Moisture, ppm | <100 | ASTM D-1744 |
| Specific Gravity @ 60°F/15.6° C | 0.867 | ASTM D-4052 |
| Density, lb/gal | 7.23 | ASTM D-4052 |
| Flash Point, °F/°C | 475/246 | ASTM D-92 |
| Pour Point, °F/°C | -44/-42 | ASTM D-97 |
| Foam Tendency (Sequence I) | 0 mL | ASTM D-892 |
| Foam Tendency (Sequence II) | 0 mL | ASTM D-892 |
| Foam Tendency (Sequence III) | 0 mL | ASTM D-892 |
| ASTM Color | <0.5 | ASTM D1500 |
| TAN mgKOH/g | 0.01 | ASTM D974 |

Notice: Physical Properties are typical of those obtained with normal production tolerances and do not constitute specifications.

Health and Safety

Based on available information, XR209-68 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.

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