TECHNICAL DATA SHEET

NEXT 717-68-XLT

Semi-Synthetic Ammonia Refrigeration Lubricant

NEXT 717-68-XLT is a semi-synthetic blend of highly refined mineral and synthetic base oils for ammonia refrigeration systems. It delivers lower carryover than both PAO/AB and naphthenic formulations while maintaining excellent seal compatibility — making it the conversion-friendly upgrade for facilities looking to reduce lubricant losses without a full system flush.

Advanced anti-wear and seal conditioning additives protect vital compressor components, and its superior low-temperature fluidity improves oil return in systems where conventional mineral lubricants accumulate in evaporators.

APPLICATIONS

- Industrial ammonia refrigeration
- Cold storage and freezer facilities
- Retrofit from naphthenic or PAO/AB lubricants
- Systems with oil return challenges

GASES

- Ammonia R-717

BENEFITS

- Lower carryover than PAO/AB and naphthenic lubricants
- Excellent seal compatibility
- Resolves oil return issues in low-temperature systems
- Advanced anti-wear and seal conditioning additives
- Extended service life
- Excellent low-temperature fluidity

TECHNICAL SPECIFICATIONS

Typical properties

	717-68-XLT
Viscosity @ 40 °C (cSt)	63
Viscosity @ 100 °C (cSt)	9.5
Viscosity Index	128
Density @ 15 °C (g/cm³)	0.85
Pour Point (°C)	-51
Flash Point (°C)	235
Rust Test (D665)	Pass/Pass

NOTE

Values in this Technical Data Sheet are typical and do not constitute a specification. Manufacturing specifications are available on request. Minimum operating temperatures are based on low-temperature viscosity and refrigerant miscibility data; consult NEXT Lubricants for operations below the pour point. Routine oil analysis is recommended to assess the in-service condition of the lubricant. Specifications are subject to change due to formulation or raw-material updates; always verify that this TDS is the most current version.