



Rodutherm 717-68-XLT

Semi-Synthetic Ammonia Refrigeration Lubricant | Technical Data Sheet

Introduction

Rodutherm 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.

Applications, Gases & Benefits

Applications	Gases	Benefits
▶ Industrial ammonia refrigeration ▶ Cold storage and freezer facilities ▶ Retrofit from naphthenic or PAO/AB lubricants ▶ Systems with oil return challenges	▶ Ammonia R-717	▶ 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

Property	717-68-XLT	
Viscosity @ 40 °C	cSt	63
Viscosity @ 100 °C	cSt	9.5
Viscosity Index		128
Density @ 15 °C	g/cm ³	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. Routine oil analysis is recommended. Specifications are subject to change due to formulation or raw-material updates; always verify that this TDS is the most current version.

Rodutherm 717-68-XLT — Technical Data Sheet The data presented is typical and subject to normal manufacturing variation. For product safety information, please refer to the Safety Data Sheet.