



Rodutherm 717-100-XLT

Semi-Synthetic Ammonia Heat Pump Lubricant | Technical Data Sheet

Introduction

Rodutherm 717-100-XLT is composed of a blend of highly refined mineral and synthetic base oil, providing superior low temperature fluidity, excellent seal compatibility and a very low oil carryover rate. It contains advanced anti-wear and seal conditioning additives as well as advanced antioxidants and highly stable base oils to protect against thermal and oxidative degradation.

Applications, Gases & Benefits

Applications	Gases	Benefits
▶ High pressure ammonia heat pumps ▶ Reciprocating (piston) compressors ▶ Rotary screw compressors	▶ Ammonia (R-717)	▶ Ideal for applications with oil return issues ▶ Long fluid life ▶ Excellent low temperature fluidity ▶ Excellent wear protection ▶ Excellent seal compatibility

Technical Specifications

Property	VG 100	
Viscosity @ 40 °C	cSt	100
Viscosity @ 100 °C	cSt	13.3
Viscosity Index		134
Density @ 15 °C	g/cm ³	0.85
Pour Point	°C	-45
Flash Point	°C	265
Rust Test (D665)		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 717-100-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.