



Rodutherm GPL MIN

Mineral Gas Compressor Lubricant · 222 Series | Technical Data Sheet

Introduction

Rodutherm GPL MIN is a hydrotreated mineral gas compressor lubricant with an advanced additive system designed for light hydrocarbon gas, sour gas, and natural gas infrastructure applications. Its excellent water-separation characteristics and broad sour gas compatibility make it a reliable choice for wet gas streams, vapor recovery units, and gas turbine service at operating temperatures below 100 °C.

Applications, Gases & Benefits

Applications	Gases	Benefits
▶ Light hydrocarbon gas compression ▶ Sour gas compression and acid gas injection ▶ Natural gas pipeline, storage, and gathering ▶ Vapor recovery compression ▶ Gas turbines	▶ Light hydrocarbon gases (methane, ethane, propane) ▶ Sour gas streams containing H₂S ▶ Natural gas and associated gas ▶ Inert gases	▶ Excellent lubricity and film strength across all viscosity grades ▶ Superior water separation for wet gas service ▶ Corrosion protection in sour gas environments (H₂S) ▶ High oxidation stability for extended drain intervals ▶ Meets DIN 51515-1 TD/TG requirements ▶ Meets ISO 8068 requirements

Technical Specifications

Property		VG 32	VG 46	VG 68	VG 100	VG 150	VG 220	VG 320
Viscosity @ 40 °C	cSt	31	45	66	101	150	220	320
Viscosity @ 100 °C	cSt	5.2	6.65	8.6	11.5	15	20.4	26.4
Viscosity Index		97	98	101	102	106	107	108
Density @ 15 °C	g/cm ³	0.87	0.87	0.87	0.87	0.87	0.88	0.88
Pour Point	°C	-45	-42	-39	-36	-30	-18	-15
Flash Point	°C	220	229	242	262	266	265	262
Copper Strip (D130)		1a	1a	1a	1a	1a	1a	1a
Rust Test (D665)		Pass	Pass	Pass	Pass	Pass	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 GPL MIN — 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.