



Rodutherm AERO DE

Diester Air Compressor Lubricant · 154 Series | Technical Data Sheet

Introduction

Rodutherm AERO DE is a diester based air compressor lubricant formulated for use in air and gas compressors with high discharge temperatures. Through the use of diester base oils, AERO DE will ensure a clean running compressor and will actively remove existing sludge and varnish deposits.

Applications, Gases & Benefits

Applications	Gases	Benefits
▶ Piston compressors ▶ Screw compressors ▶ Rotary vane compressors ▶ Centrifugal compressors	▶ Compressed air	▶ Meets DIN 51506 VDL requirements ▶ Superior carbon and varnish control ▶ Very long fluid life (10,000–14,000 hours) ▶ Contributes to lower operating temperature ▶ Actively removes existing sludge and varnish deposits ▶ Excellent wear protection ▶ Good water separation

Technical Specifications

Property		VG 32	VG 46	VG 68	VG 100	VG 150
Viscosity @ 40 °C	cSt	31	43	65	95	144
Viscosity @ 100 °C	cSt	5.6	6.3	8.2	10.9	15.3
Viscosity Index		92	93	98	101	108
Density @ 15 °C	g/cm ³	0.89	0.89	0.89	0.89	0.89
Pour Point	°C	-42	-36	-36	-33	-27
Flash Point	°C	224	232	242	264	266
Copper Strip (D130)		1a	1a	1a	1a	1a
Rust Test (D665)		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 AERO DE — 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.