

Introduction

Rodutherm Super Turbine Oil is a long-life turbine oil recommended for turbo systems such as gas turbines. It is produced from highly hydrogenated paraffinic base oils combined with a low-volatility oxidation inhibitor, rust inhibitors and an antifoaming agent, in a carefully balanced treat rate.

Benefits

- ▶ Excellent oxidation stability, even at the high temperatures found in gas turbines, for a very long service life.
- ▶ Extremely low sulfur content, supporting oxidation stability and preventing discoloration of white metals.
- ▶ High lubricity that reduces metal wear at bearing lubrication points.
- ▶ Low formation of sludge and varnish for reliable turbine performance.

Typical Properties

Property	Test Method	Typical Value
Density @15°C	ASTM D4052	852 kg/m ³
Color	ASTM D1500	L1.0
Flash point (C.O.C.)	ASTM D93	220°C
Kinematic Viscosity @ 40°C	ASTM D445	32.4 cSt
Kinematic Viscosity @ 100°C	ASTM D445	5.7 cSt
Viscosity Index	ASTM D2270	119
Acid Number	ASTM D974	0.1 mgKOH/g
Copper Corrosion (100°C, 3 h)	ASTM D130	1 (1b)
Pour point	ASTM D97	-17.5°C
Foaming, Sequence I (24°C)	ASTM D892	10-0 ml
RPVOT @150°C	ASTM D2272	2738 min
Water separability (54°C, to 3 ml emulsion)	ASTM D1401	5 min

Conforming Specifications

Specification	Status
ISO 8068 (TSA / TGA, TGB / TSGB)	Meets
JIS K2213 Type 2	Meets
ASTM D4304 Type I, III	Meets
DIN 51515-1, DIN 51515-2	Meets
GEK 32568K	Meets
GEK 107395A	Meets
GEK 27070	Meets
GEK 46506e	Meets
GEK 120498	Meets
GEK 28143b	Meets

Note

The oil may turn reddish in color depending on the storage environment, for example through exposure to ultraviolet light. This color change does not affect the performance of the product.

Rodutherm Super Turbine Oil — 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.