

R&O Turbine Compressor Oils (Non-EP)

(July 2021 edition)

AMALIE R&O Turbine Compressor Oils (Non-EP) are premium oils that offer superior rust protection and antioxidant performance. They exhibit strong water separation characteristics, foam inhibition, thermal stability, filterability, and hydrolytic stability. They are specifically formulated to provide robust filtration performance in the presence of water or other common contaminants. These oils have been formulated to bring some resistance to electrostatic discharge, an important feature in dry climates or in high temperature applications. **AMALIE R&O/Turbine/Compressor Oils (Non-EP)** are premium ash-less oils used in the lubrication of various compressors, turbines, circulating systems, and pumps.

Benefits

- Excellent Filtration in the Presence of Water
- Inhibits Air-Entrainment and Excessive Foam Buildup
- Hydrolytic Stability in the Presence of Water
- Protects Against Corrosion
- Strong Oxidation Stability
- Excellent Water Separation
- Minimizes Carbon, Varnish, and Sludge

Typical Properties

ISO Grade	22	32	46	68	100	150	220
SAE* Grade Approximate	10	10	20	20	30	40	50
Specific Gravity	0.857	0.863	0.867	0.873	0.877	0.886	0.884
Flash Point, °C	205	220	225	230	250	260	280
Kinematic Viscosity @100°C, cSt	3.4	4.3	5.4	6.8	8.8	11.3	18.7
Kinematic Viscosity @40°C, cSt	15	22	32	46	68	100	220
Viscosity Index	101	100	102	102	100	100	95
Pour Point, °C	-30	-33	-30	-27	-21	-18	-27
Water Separation, ASTM D1401, minutes	<20	<20	<20	<20	<30	<30	<30

Typical values are listed. Variations not affecting the performance of this fluid may occur during production.

Applications

AMALIE R&O Turbine Compressor Oils (Non-EP) are formulated to meet or exceed the following OEM and National specification standards.

BS 489
DIN 51515 Part 1
ASTM D4304 Type I
ISO 8068E TSA
ISO 8068E TGA
GB 11120 2011 L TSA, L TSE
GB 11120 2011 L TGA, L TGE

GB 11120 2011 L TGSE, L TGSE
Alstom HTGD 90117 2012
Alstom ABB NBA P50001
GEK 46506e, 28143b, 32568h, 107395a
Siemens TLV 9013 04
Mitsubishi MS04 MA 001 005
Solar ES 9 224W

Additional Information Please use proper handling and care that you would use with any lubricating oil. Contact your AMALIE Sales Representative for SDS.