



## The Right Product, For the Right Application

**Aladdin Premium R&O Turbine Oils are formulated to deliver RESULTS.  
Lowering your Operating Costs and overall “Cost of Ownership”**

Our premium R&O series is designed for gas, steam, and combined cycle turbines as well as many other industrial applications where R&O oils are recommended.

### “Premium Rust & Oxidation Turbine Oil”

**Aladdin Premium** has been protecting turbines for over 10 years, and consistently provides protection against rust, corrosion, and deposit formation. It has excellent oxidation resistance and thermal stability at high temperatures to minimize sludge and varnish formation and provide long service life. It has excellent water-separating properties to minimize the formation of emulsions and is resistant to excessive foam buildup that can interfere with proper lubrication.

### “Excellence & Advantages”

- ☉ Eliminating Varnish Deposits on valves, filters, bearings etc.
- ☉ Excellent demulsibility
- ☉ Outstanding rust protection
- ☉ Excellent hydrolytic Stability
- ☉ Superior filterability
- ☉ Extended Fluid Life

### “Specifications & Approvals”

- |                            |  |
|----------------------------|--|
| ☉ AGMA 9005 F16 R&O        | ☉ GE GEK 32568J, MINERAL OILS            |
| ☉ ALSTOM HTGD 90117        | ☉ GE GEK 46506E                          |
| ☉ ASTM D 4304 TYPE I       | ☉ INDIAN STANDARDS IS 1012 JCMAS HK P041 |
| ☉ BRITISH STANDARDS BD 489 | ☉ ISO 11158 HH & HL                      |
| ☉ DIN 51515 PART 1,2       | ☉ JIS K 2212 TYPE 2                      |
| ☉ DIN 51524 PART 1         | ☉ SIEMENS AG TLV 9013 04                 |
| ☉ GE GEK 27070             | ☉ SIEMENS AG TLV 9013 05                 |
| ☉ GE GEK 28143B TYPE I     | ☉ SOLAR TURBINES ES 9-224                |

### “Typical Characteristics”

Viscosity @ 40C	32	46	68	100	150	220	460
Specific Gravity	0.832	0.844	0.884	0.886	0.883	0.891	0.895
Color	Golden Amber Translucent						Brown
Pour Point, °C / °F	-30 / -22	-27 / -17	-24 / -11	-20 / -6	-17 / 0	-15 / 5	-12/10
Flash Point, °C / °F	234 / 453	230 / 446	234 / 453	251 / 483	239 / 462	255 / 491	241/465
Viscosity Index	100	105	105	110	108	110	110
Mineral Oil Base Group II							

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## The Right Product, For the Right Application

### Aladdin Premium 46 Turbine Oils / R&O Lubricant

Our premium R&O series is designed for gas, steam, and combined cycle turbines as well as many other industrial applications where R&O oils are recommended.

#### “Premium Rust & Oxidation Turbine Oil”

**Aladdin Premium 46** is formulated using Group II base oils for higher resistance to oxidation and best in class demulsibility.

**Aladdin Premium 46** is design to provide extended oil drain intervals in high temperature / high moisture environment without loss of boundary film lubrication or foam control or varnish build up.

**Aladdin Premium 46** is formulated for steam and gas turbines, air tools, air compressors with high temperatures and wet air; low pressure hydraulic systems, circulation oil systems, oil filled couplings, centrifugal pumps, and lightly loaded gearboxes.

#### “Excellence & Advantages”

- Eliminating Varnish Deposits
- Excellent Water Separation
- Outstanding rust protection
- Excellent hydrolytic Stability
- Superior filterability (3 micron)
- Extended Fluid Life

#### “Specifications & Approvals”

- AGMA 9005 F16 R&O
- ALSTOM HTGD 90117
- ASTM D 4304 TYPE I
- BRITISH STANDARDS BD 489
- DIN 51515 PART 1,2
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- SIEMENS AG TLV 9013 04
- SIEMENS AG TLV 9013 05
- SOLAR TURBINES ES 9-224

#### “Typical Characteristics”

ISO Grade Viscosity @ 40C	Viscosity Index	Color	Flash Pt °C	Specific Gravity	Foam Sequence	Demulsibility / min	Copper Corrosion	Rust / B
46	105	Golden	230	0.844	(I) 20/0 (II) 0/0 (III) 0/0	9	1A	Pass
Mineral Oil Base Group II								

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