



## UNILAND TURBINE OIL

UNILAND TURBINE OIL - Mineral Turbine Oils formulated from highly refined hydro-treated base stocks and specially selected additives designed to achieve premium turbine oil performance, particularly in the areas of resistance to oxidation and the formation of sludge and varnish at elevated temperatures. The additive components in this oil also afford exceptional rust and corrosion protection.

This product offers outstanding thermal stability, extended service life and strong water separation properties. These qualities make it an ideal turbine quality lubricant. This product is suitable in all types of turbines systems. The anti-oxidation properties plus the other features incorporated into, render them an outstanding choice for turbine use. This product can be used in applications in reciprocating compressors, hydraulic systems where anti-wear additives are unacceptable, gear reducers requiring superior rust and oxidation inhibited lubricants, high temperature circulating oil systems, machine tools and electric motor and pump ring oil bearings.

### APPLICATION / BENEFITS

UNILAND TURBINE OIL provides:

- Outstanding thermal stability
- Exceptional protection against rust and corrosion
- Extensive service life capacity
- Unsurpassed water separation properties

### TECHNICAL CHARACTERISTICS

Technical property	Method	Results				
Viscosity ISO VG	-	22	32	46	68	100
Density at 15°C	ASTM D-4052	0.848	0.857	0.865	0.867	0.875
Flash point, °C	ASTM D-92	192	220	220	226	242
Pour point, °C	ASTM D-97	-27	-24	-21	-18	-15
Viscosity index	ASTM D-2270	109	111	102	106	99
Kinematic viscosity at 40°C (cSt)	ASTM D-445	21.68	32.18	46.87	68.37	98.66
Kinematic viscosity at 100°C (cSt)	ASTM D-445	4.355	5.572	6.898	9.003	11.88

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**THIS PRODUCT MEETS THE REQUIREMENTS OF:**

* AGMA	9005-F16 R&O
* ASTM	D-4304 TYPE I, II, III
* BRITISH STANDARD	BS 489
* DIN	51506 VDL
* DIN	51515 PART 1 & 2
* DIN	51524 PART 1
* FIVES CINCINNATI	P-38
* GEK	27070
* GEK	28143 B TYPE I
* GEK	32568K
* GEK	46506E
* GEK	101941A
* GEK	121608
* INDIAN STANDARD	IS 1012
* ISO	8068 TSA AND TGA
* ISO	8068 TGE TSE
* ISO	11158 HH & HL
* JIS	K2213 TYPE 2
* SIEMENS FLUID	SPECIFICATION 65/0027
* SIEMENS AG	TLV 9013 04 STANDARD THERMAL STABILITY
* SIEMENS AG	TLV 9013 05 HIGH THERMAL STABILITY
* SOLAR TURBINES	ES 9-224

Due to continual product research and development, the information contained here is subject to change without notification.  
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