

# UNT ICL TURBINE OIL

## Description

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UNT ICL Turbine Oil is formulated from highly refined hydrotreated base stocks and specially selected additives designed to achieve premium resistance to oxidation and minimize the formation of sludge and varnish during operation. Featuring outstanding oxidation stability, this product offers TOST results which exceeds 10,000 hours (time to 2 mg KOH/g).

UNT ICL Turbine Oil is an ashless, zinc-free product with strong water separation properties, making it an ideal turbine lubricant in all types of turbines system.

UNT ICL Turbine Oil can be used 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.

## Properties

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- † Outstanding thermal stability, extensive service life capacity
- † Exceptional protection against rust and corrosion
- † Ashless and Zinc-free
- † Unsurpassed water separation properties

## Technical Characteristics

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Test Description	Method	Unit	ISO 22	ISO 32	ISO 46	ISO 68
ISO Viscosity Grade	-	-				
Density @ 15 °C	ASTM D 4052	kg/L	0.848	0.857	0.865	0.867
Flash Point	ASTM D 92	°C	192	220	220	226
Pour Point	ASTM D 97	°C	-27	-24	-21	-18
Kinematic Viscosity @ 40°C	ASTM D 445	cSt	21.7	32.2	46.9	68.4
Kinematic Viscosity @ 100°C	ASTM D 445	cSt	4.4	5.6	6.9	9.0
Viscosity Index	ASTM D 2270	-	109	111	102	106

## Technical Characteristics

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Test Description	Method	Unit	ISO 100
ISO Viscosity Grade	-	-	ISO 100
Density @ 15 °C	ASTM D 4052	kg/L	0.875
Flash Point	ASTM D 92	°C	242
Pour Point	ASTM D 97	°C	-15
Kinematic Viscosity @ 40°C	ASTM D 445	cSt	98.7
Kinematic Viscosity @ 100°C	ASTM D 445	cSt	11.9
Viscosity Index	ASTM D 2270	-	99

## Specifications

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