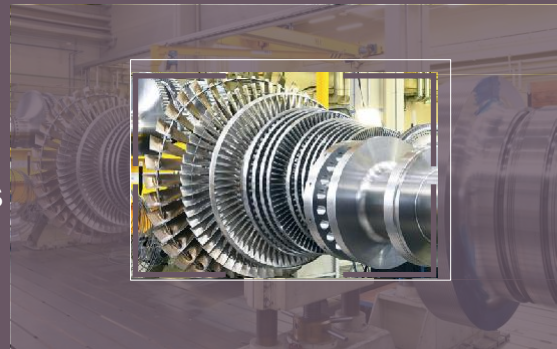


# PRESLIA EVO



Next-generation low varnish turbine oil specially designed for use in high-efficiency gas turbines and peaking power plants



## APPLICATIONS

**PRESLIA EVO** is an advanced turbine oil which delivers **superior resistance to varnish** and deposit build-up under the most severe operating conditions including heavily loaded geared turbines.

It is intended for use in modern steam, gas, and combined cycle turbines as well as turbo compressors subject to :

- High loads and thermal stress
- Varnish and sludge tendency

**PRESLIA EVO** has been specially designed to meet new flex-technology challenges such as : fast start, frequent stops, peak load.



## CUSTOMER BENEFITS

- ✓ Extended oil life
- ✓ Enhanced turbine protection
- ✓ Reduced downtime
- ✓ Increased reliability

## SUPERIOR VARNISH RESISTANCE

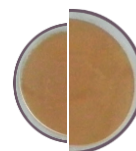
**PRESLIA EVO** delivers improved thermal stability and provides exceptional protection against degradation by-products produced by peak temperatures.

**PRESLIA EVO** has been designed with innovative additive technology to mitigate the formation of varnish and harmful deposits while ensuring the cleanliness of key components such as servo-valves and bearings.

### DEPOSIT control test at 180°C (filter plugging)



**PRESLIA EVO**



**Premium Turbine Oil**

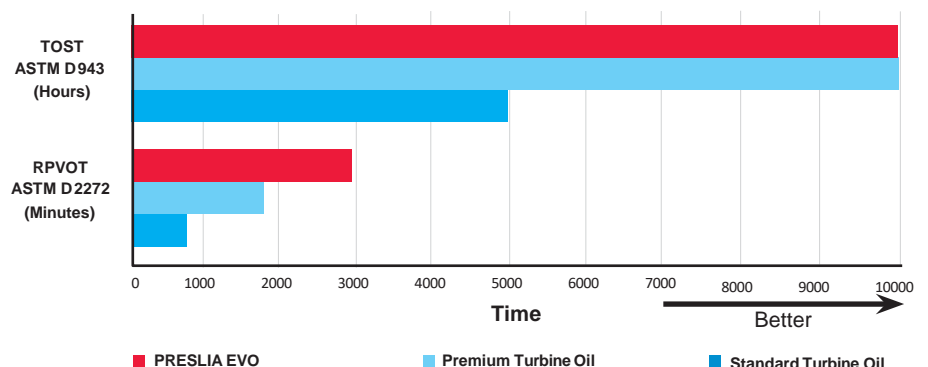


**Standard Turbine Oil**

## ULTRA LONG LIFE

The carefully selected base oils and antioxidants of **PRESLIA EVO** provide advanced oxidation resistance resulting in extended service life

### Oxidation Tests



## TECHNICAL DATA - PRESLIA EVO

CHARACTERISTICS	METHODS	UNITS	TYPICAL VALUES	
			PRESLIA EVO 32	PRESLIA EVO 46
Colour	ISO 2049	-	L 1.50	L 1.50
Aspect at 25°C		-	Light and Clear	Light and Clear
Density at 15°C	ISO 12185	kg/m <sup>3</sup>	839	849
Kinematic Viscosity at 40°C	ISO 3104	mm <sup>2</sup> /s	32	46
Calculated Viscosity Index	ISO 2909	-	131	125
TAN (potentiometric)	ASTM D 664	mgKOH/g	0.1	0.1
Water content	ISO 12937	ppm	90	90
Flash Point	ISO 22592	°C	230	254
Pour Point	ISO 3016	°C	-18	-15
Foaming Seq I/II/III	ISO 6247	mL/mL	0/0 ; 10/0 ; 0/0	0/0 ; 10/0 ; 0/0
Air release	ISO 9120	min	1.5	2
Water Separation	ISO 6114	min	5	10
Steam Demulsibility	DIN 51589	s	< 300	< 300
Steel Corrosion – Method B	ISO 7120	-	PASS	PASS
Copper Strip Corrosion 3h, 100°C)	ISO 2160	-	1b	1b
RPVOT	ASTM D 2272	min	3000	3100
TOST	ISO 4263-1	hs	> 10,000	> 10,000
FZG	DIN 51354-2	FLS	9	10
Deposit control test at 180°C	Sludge content	mg/kg	< 20	< 20

## SPECIFICATIONS AND APPROVALS

Meets or exceeds the following specifications :

- ✓ ISO 8068
- ✓ DIN 51515 Part 1 & 2
- ✓ ISO 6743-5 TSA / TSE / TGA / TGB / TGE / TGSB / TGSE
- ✓ ASTM D 4304, Type I/II/III
- ✓ JIS K 2213
- ✓ GE GEK 27070, 46506, 28143, 101941, 32568, 107395
- ✓ SIEMENS TLV 9013 04 & 05
- ✓ ANSALDO TG02-0171
- ✓ SIEMENS Finspang MAT 812101/02/06/07/08/09
- ✓ MAN-ES TED 10000494596-Rev.03
- ✓ SOLAR ES9-224 Class II

### OIL MONITORING

Get the best out of your equipment by implementing our oil monitoring program ANAC INDUS TURBINE.



### SHELF LIFE

5 years of unopened packages, stored in optimal conditions.

### STORAGE

Product should be stored under cover in clean dry conditions and protected from frost.

Recommended storage temperature : 5°C to 40°C

**Total Lubrifiants**  
INDUSTRY  
01-02-2022  
PRESLIA EVO

This lubricant used as recommended and for the application for which it has been designed does not present any particular risk.  
A material safety data sheet conforming to the regulations in use in the E.C. is obtainable via your commercial adviser quick-fds.com.



**TOTAL**  
Committed to Better Energy