TECHNICAL DATA SHEET

17/07/2023 Ref. 00000000

Preslia EVO 32 - 46

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 subjected 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.

ADVANTAGES

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.

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

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

APPROVALS

Meets or exceeds the following specifications:

- JIS K 2213
- GE GEK 27070, 46506, 28143,
- 101941, 32568, 107395
- SIEMENS TLV 9013 04 & 05
- SIEMENS Finspang MAT 812101/02/06/07/08/0
- MAN-ES TED 10000494596-Rev.03
- SOLAR ES9-224 Class II

afaq ISO 9001 Qualité AFNOR CERTIFICATION

For additional information, contact your local Totalenergies Lubricants representative or visit our web site: https://lubricants.totalenergies.com
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. can be obtained from your local commercial adviser or downloaded from https://sdstotalms.total.com

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SA 552 006 454 RCS Nanterre - France

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TYPICAL CHARACTERISTICS

Properties	Units	Standards	Preslia EVO	
			32	46
Colour	-	ISO 2049	Transparent to light brown	Transparent to light brown
Aspect at 25°C	-		Light and Clear	Light and Clear
Density at 15°C	kg/m^3	ISO 12185	839	849
Viscosity at 40°C	mm^2/s	ISO 3104	32	46
Calculated Viscosity Index	-	ISO 2909	131	125
TAN (potentiometric)	mgKOH/g	ASTM D 664	0.1	0.1
Water content	ppm	ISO 12937	90	90
Flash point	°C	ISO 22592	230	254
Pour point	°C	ISO 3016	-18	-15
Foaming Seq. I @ 24 °C Seq. II @ 93 °C Seq. III @ 24 °C after 93 °C	ml/ml	ISO 6247	0/0 10/0 0/0	0/0 10/0 0/0
Air release	min	ISO 9120	1.5	2
Water separation	min	ISO 6114	5	10
Steam Demulsibility	s	DIN51589	<300	<300
Steel corrosion – Method B	-	ISO 7120	Pass	Pass
Copper Strip Corrosion 3h, 100°C)	-	ISO 2160	1b	1b
RVPOT	min	ASTM D 2272	3000	3100
TOST	hs	ISO 4263-1	>10000	>10000
FZG	FLS	DIN 51354-1	9	10
Deposit control test at 180°C	mg/kg	Sludge content	<20	<20

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