

# PRESLIA



*Turbine oil*



Mineral turbine oil.

## APPLICATIONS

**Ung geared/geared  
turbomachine systems**

- **PRESLIA** oils are specially designed for the lubrication of hydraulic, steam, or gas turbines. They can also be used in centrifugal compressors or turbochargers.

## SPECIFICATIONS

**International standards**

- ISO 6743-5 THA/THE/TSA/TSE/TGA/TGB/TGE/TGSB
- ISO 8068 (ISO VG 32 & 46)
- ASTM D 4304 - type I & II
- DIN 51515 Parts I & II
- JIS K2213 type 2 w/add

**OEMs**

- China National Standard GB 11120-2011 L-TSA
- Depending on the viscosity grade, **PRESLIA** oils meets or exceeds the requirements of the following specifications :
  - **ALSTOM** HTGD 90 117
  - **ALSTOM HYDRO** HTWT 600050
  - **GENERAL ELECTRIC** GEK 27070/28143/46506/101941/32568/107395
  - **SIEMENS** TLV 901304 & TLV 901305
  - **SIEMENS TURBO AB** MAT 812101/02/06/07/08/09
  - **SIEMANS TURBOMACHINARY** 1CW0047915
  - **SOLAR** ES 9-224W Class II
  - **ANSALDO** TG02-0171
  - **SKODA, TURBINY PLZEN**
  - **FUJII ELECTRIC** Steam Turbine
  - **TOSHIBA** Steam Turbine

## ADVANTAGES

**Long drain intervals  
Simplified maintenance  
Operational Reliability**

- High oxidation resistance, antifoam, air and water release performances.
- High antiwear properties allowing the lubrication of the gearboxes driven by the turbine.
- Excellent antirust and anticorrosion properties.
- Suitable for hydraulic applications superior hydrolysis stability and filterability (with or without water).

TOTAL LUBRIFIANTS  
INDUSTRIE  
16-03-2020 (supersedes 20-12-2018)  
PRESLIA 32-46-68-100  
1/1



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 down loaded from [www.quick-fds.com](http://www.quick-fds.com).

TOTAL Classification: Restricted Distribution

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TYPICAL CHARACTERISTICS	METHODS	UNITS	PRESLIA			
			32	46	68	100
Density at 15 °C	ISO 3675	kg/m <sup>3</sup>	853	857	860	886
Viscosity at 40 °C	ISO 3104	mm <sup>2</sup> /s	32	46	68	100
Viscosity at 100 °C	ISO 3104	mm <sup>2</sup> /s	5.48	6.94	9.01	11,4
Viscosity index	ISO 2909	-	107	107	107	100
Flash point	ISO 2592	°C	218	230	240	250
Pour point	ISO 3016	°C	- 15	- 15	- 12	- 9
Air Release	ASTM D 3427	Min	2	3	5	10
Demulsibility	ISO 6614	Min	5	5	<10	<10
Foaming (Tendency/Stability)	ISO 6247	ml/ml				
Seq. I @ 24C			10/0	10/0	20/0	30/0
Seq. II @ 93C			10/0	10/0	30/0	40/0
Seq. III @ 24C after 93C			10/0	10/0	20/0	30/0
TOST	ASTM D-943	h	> 7000	> 7000	> 7000	> 3000
RPVOT	ASTM D 2272	min	2000	2000	1900	600
FZG	ISO 14635-1	Fail stage	≥ 8	≥ 9	≥ 10	≥ 11

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