

# TURBINA



*Turbine oil*

Mineral turbine oils.

## APPLICATIONS

**Turbomachines gears  
Regualtion systems**

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

## SPECIFICATIONS

Meets the requirements of

- 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
- China National Standard GB 11120-2011 L-TSA
- Depending on their viscosity grade, **TURBINA** oils meet the requirements of the following classifications and specifications :
  - **ALSTOM** HTGD 90 117
  - **ALSTOM HYDRO** HTWT 600050
  - **GENERAL ELECTRIC** GEK 27070, GEK 28143 B, GEK 46506 E
  - **MAN ENERGIE** ME-TTS 001/18/92
  - **MAN Turbo** TED 10000494596
  - **SIEMENS** TLV 901304 & TLV 901305
  - **SOLAR** ES 9-224W Class II
  - **SKODA, TURBINY PLZEN**

## ADVANTAGES

**Long drain intervals  
Simplified maintenance  
Ageing protection**

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

TYPICAL CHARACTERISTICS	METHODS	UNITS	TURBINA			
			32	46	68	100
Density at 15 °C	ASTM D4052	kg/m <sup>3</sup>	856	865	876	886
Viscosity at 40 °C	ASTM D445	mm <sup>2</sup> /s	32	46	68	100
Viscosity at 100 °C	ASTM D445	mm <sup>2</sup> /s	5,6	6,9	8,7	11,4
Viscosity index	ASTM D2270	-	110	105	95	95
Flash point	ASTM D92	°C	220	240	250	250
Pour point	ASTM D97	°C	- 12	- 9	- 9	- 9
TOST	ASTM D-943	h	> 7000	> 7000	> 7000	> 3500
FZG	ISO 14635-1	Fail stage	≥ 8	≥ 9	≥ 10	≥ 11

Above characteristics are mean values given as an information.

BEHTAM CO.  
TURBINA

