

## LUBRICANTS FOR INDUSTRIAL USES

### CEPSA HD TURBINES\*

#### DESCRIPTION

Lubricating oil formulated with highly refined and hydrotreated paraffinic bases and selected additives that give it excellent properties for multiple applications.

#### PRODUCT USE

- Specifically designed and recommended for the circulation lubrication of the elements of steam, gas and hydraulic turbines that require oil for a long time. **useful life period** and **one high stability** against oxidation.

#### PRODUCT FEATURES

- High chemical and thermal stability.
  - Good oxidation stability.
  - High anti-rust power.
  - Great deaeration speed.
  - Excellent antifoam capacity.
  - Exceptional control of deposit and sludge formation.
- Its high performance allows a longer useful life, achieving longer oil change intervals, thereby reducing costs due to maintenance stops.

#### QUALITY LEVELS

- ISO 6743-5 L TSA/TGA/TGB
- British Standard 489 (CIGRE)
- CEGB Standard 207001
- General Electric GEK 107395A
- General Electric GEK 28143A
- Siemens MAT 812101/02
- DIN 51515 Part II (L-TG)
- MIL-L-17672 D
- AIST 120, 126
- General Electric GEK 32568H
- ALSTOM HTGD 90 117 (non-EP)
- Siemens TLV 901304/901305 (not EP)
- ASTM D-4304, Type I
- JIS K 2213
- FIVES CINCINNATI P-Specs
- General Electric GEK 46506E
- MAN Turbo - TED 10000494596
- Solar ES 9-224Y Class II 6E

#### TYPICAL CHARACTERISTICS

FEATURE	UNITS	METHOD	CEPSA HD TURBINES*		
			32	46	68
ISO Grade					
Density 15°C	kg/l	ASTM D-4052	, 859	0.863	0.864
Flash point v/a	° C	ASTM D-92	206	228	240
Freezing point	° C	ASTM D-5950	- 12	- 12	- 12
Viscosity at 40°C	cSt	ASTM D-445	30.7	43.2	65.3
Viscosity at 100°C	cSt	ASTM D-445	5.38	, 67	8.93
viscosity index	-	ASTM D-2270	110	107	111
Rust with salt water)	-	ASTM D-665 ( )	handle	handle	handle
RPVOT	minutes	ASTM D-2722	> 1000	> 1000	> 1000
TOST	hours	ASTM D-943	> 7500	> 7500	> 7500

#### SAFETY, HYGIENE AND ENVIRONMENT

There is a corresponding Safety Data Sheet in accordance with current legislation, which provides information regarding the danger of the product, precautions in handling, first aid measures and available environmental data.