

Lubricants for industry.

Turbine HD



Recommended lubricant for steam, gas and hydraulic turbines.

> Use

- A product formulated with highly refined and hydro-treated paraffinic base oils, alongside selected additivation that affords this product with excellent properties for multiple applications.
- Specifically designed and recommended for circulation lubrication of elements of steam, gas and hydraulic turbines that require an oil with a long service life and high stability against oxidation.

> Benefits

- High chemical and thermal stability.
- Good oxidation stability.
- Good anti-rust properties.
- Fast deaeration speed.
- Excellent anti-foam capacity.
- Exceptional control of deposit formation and sludge.
- Its high performance allows for a longer service life, achieving longer oil load change intervals, and reducing maintenance stoppage costs.

> Specifications

- 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 (non-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

> Physical and chemical properties

Parameter	Units	Method	Turbine HD		
ISO Grade	-	-	32	46	68
Density 15°C	Kg/l	ASTM D-4052	0.859	0.863	0.864
Flash point V/A	°C	ASTM D-92	206	228	240
Pour 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	6.67	8.93
Viscosity index	-	ASTM D-2270	110	107	111
Rust (with salt water)	-	ASTM D-665 (B)	pass	pass	pass
RPVOT	minutes	ASTM D-2722	>1000	>1000	>1000
TOST	hours	ASTM D-943	>7500	>7500	>7500

> Health & safety and environment

A Material Safety Data Sheet providing information on product hazards, handling precautions, first aid measures, and relevant environmental data is available for this product as per applicable legislation.