

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	• DIN 51515 Part II (L-TG)	• ASTM D-4304, Type I
• British Standard 489 (CIGRE)	• MIL-L-17672 D	• JIS K 2213
• CEGB Standard 207001	• AIST 120, 126	• FIVES CINCINNATI P-Specs
• General Electric GEK 107395A	• General Electric GEK 32568H	• General Electric GEK 46506E
• General Electric GEK 28143A	• ALSTOM HTGD 90 117 (non-EP)	• MAN Turbo – TED 10000494596
• Siemens MAT 812101/02	• Siemens TLV 901304/901305 (non-EP)	• 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.

The typical values of the characteristics appearing in the table are average values given for guidance purposes only and do not constitute a guarantee. These values may be modified without any prior warning.