

EUTURBINE

Lubricant for industrial steam and gas turbines

Oils for use in industrial gas turbines, steam and combined cycle, with good anti-wear, anti-rust, anti-oxidant and anti-foam, together with a technology for improving the thermal-oxidative stability and prevention against the formation of deposits and lacquers thus offering a performance definitely an improvement over conventional turbine oils. They are particularly suitable for use in combined-cycle turbines and in the current gas and steam turbines.

Applications & Benefits

- Demulsivity

Demulsive capacity to avoid formation of stable oil mixtures with very common water in steam turbines in order to facilitate drainage from the lubrication system and to minimize premature corrosion and wear and thereby reduce the risk of Unprogrammed maintenance.

- Foam

The anti-foam additives allow easy release of the clogged air and limit the foaming effects in order to avoid pump cavitation effects and excessive oxidation of the lubricant.

- Advanced Protection

The proven action of additives reduces and prevents the wear and corrosive effects affecting the metal parts, making it usable in a wide range of operating conditions, including low loads and heavy loads.

- Oxidative control

Highly refined bases with the help of inhibitory additives guarantee a high stability to oxidative degradation, minimizing the formation of aggressive acids, deposits and mites.

- Versatility

EUTURBINE is recommended for use in lightweight industrial and gas turbine turbines requiring no high wear performance for gear reducers, hydroelectric turbines, centrifugal and axial compressors, dynamic turbo compressors and pumps where R&D lubricants, turbines are required and further applications where strong rust control and oxidative phenomena are needed.

Specifications & Approvals

- Exceeds the specifications listed below:

DIN 51515

General Electric GEK-32568F

Alstom HTGD 90117

Solar Turbines ES 9-224

Siemens TLV 9013 04

Remember to always check the usage and maintenance manual for the correct choice.

*For further information please contact the Technical Service.

Chemical-Physical Characteristics

Test	Method	Euturbine		
ISO Grade	-	46	68	100
Density @ 15°C, kg/dm ³	ASTM D 4052	0.855	0.865	0.870
Viscosity cSt @ 40°C cSt @ 100°C	ASTM D 445	46.0 6.5	68.0 9.5	100.0 11.5
Viscosity Index - Unit	ASTM D 2270	105	105	100
Deaeration, min.	ASTM D 3427	4	6	10
Copper corrosion - 3h @ 100°C	ASTM D 130	1B	1B	1B
Rust-preventing	ASTM D 665A	Exceeds	Exceeds	Exceeds
Pour point, °C	ASTM D 97	-27	-27	-24
Flash point, °C	ASTM D 92	225	230	230
FZG / exceeded stage	DIN 51354	10	10	10

NOTE: The above values are "typical" for normal production tolerance and do NOT constitute a specification.

Storage, Health & Environment

- Storage & Health

It is recommended to store the EUTURBINE lubricant under cover. If storage is carried out outdoors, it is recommended to position the drums, preferably under a roof, in a horizontal position and, if kept upright, cover them with a lid to prevent water infiltration. It is advisable not to store the packs at temperatures above 60°C or directly to the sun as it is good to keep them in places not subject to freezing.

EUTURBINE has no health effects when properly used, applying the standard personal hygiene standards.

- Environment

Do not discharge the new and/or exhausted lubricant into the sewage system, soil or watercourses. Exhausted lubricant must be delivered to an authorized collection point.

Additional information

- Safety Data Sheet

It is provided aside and must be considered for its information or can be easily downloaded from www.rilub.it

Contact your technical service for more information:



+390813383413



infolab@rilub.it