

Lubricants for industry.

Turbine EP



Recommended lubricant for steam and gas turbines, and combined cycle power plants, when extreme pressure characteristics are required.

› Use

- Product formulated with bases treated with high-pressure hydrogen and selected additivation that give it excellent properties for different applications, with extreme pressure characteristics.
- Specially designed for combined cycle power plants in the lubrication of steam and gas turbines, and special turbogenerators with gears-reducer units.
- It can also be used in hydraulic systems that require high-quality hydraulic oil and extreme pressure characteristics.

› Benefits

- Excellent thermal stability. Prevents the physical or chemical deterioration of the load during use.
- Excellent corrosion and oxidation protection.
- Excellent resistance to foam formation and air release.
- Compatibility with traces of other types of turbine oils.
- 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/TSE/TGA/TGB/TGE
- GENERAL ELECTRIC GEK 107395A
- GENERAL ELECTRIC GEK 46506D
- SOLAR ES 9-224W
- SIEMENS MAT 812109 (ISO 46)
- ALSTOM HTGD 90117
- GENERAL ELECTRIC GEK 27070
- GENERAL ELECTRIC GEK 32568F
- MAN ENERGIE ME-TTS 011/18/92
- GENERAL ELECTRIC GEK 101941A
- SIEMENS TLV 901304
- MAN TURBO SPD 10000242284
- DIN 51515 Part II (L-TG)

› Physical and chemical properties

Parameter	Units	Method	Turbine EP	
ISO Grade	-	-	32	46
Density 15°C, kg/l	Kg/l	ASTM D-4052	0.865	0.868
Flash point V/A, °C	°C	ASTM D-92	218	220
Pour Point, °C	°C	ASTM D-5950	<-12	<-12
Viscosity 40°C, cSt	cSt	ASTM D-445	32	46
Viscosity index	-	ASTM D-2270	108	106
FZG, Fault stage	-	DIN 51354	9	9
Air release	minutes	DIN 51381	<4	<4
RPVOT	minutes	ASTM D-2722	>2500	>2500
TOST	hours	ASTM D-943	>10,000	>10,000

› 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.