

TURBUNIL GS

Mineral oil for gas, steam and water turbines

220101-220102-220105/02.20

Rev. 3

DESCRIPTION & APPLICATIONS

Turbunil GS has been specially developed to meet the most stringent requirements of all modern turbine applications. The use of this fluid is recommended for lubricating and cooling bearings and gearboxes of steam, gas and water turbines.

Thanks to the combination of the high-quality base oils and the balanced additives package, this lubricant offers exceptional resistance to oxidation and corrosion. In addition, the extended service life of the lubricant ensures excellent and long-term protection of all turbine components. This reduces the number of lubrications and unexpected downtime of the turbine to an absolute minimum.

ADVANTAGES

- Thermal stability.
- Excellent resistance to oxidation.
- Good air release.
- Low foaming.
- Good water separability.
- High corrosion resistant.

PERFORMANCES

Satisfies to the following specifications:

ASTM D-4304 Type 1 & 3

ALSTOM HTGD 90117

BS 489

DIN 51 515 part 1 & 2

DIN 51 524 part 1

GENERAL ELECTRIC GEK-32568F

ISO 6743 part 5

ISO 8068 TGB TGSB

ISO 11158 HH/HL

SIEMENS AG TLV 9013 05 HIGH THERMAL STABILITY

SIEMENS AG TLV 9013 04 STANDARD THERMAL STABILITY

TURBUNIL GS

ENVIRONMENT, HEALTH & SAFETY

Please consult also the Safety Data Sheet about how to manipulate and to stock the product as well as to learn about the first aid measurements in case of accident.

Elimination after use must be made in conformity with the local rules in force about used oils disposal. When needed, Safety Data Sheet can be obtained upon request.

Conservation of the product: 3 year(s) in closed container and sheltered.

PROPERTIES

CHARACTERISTICS	UNITS	METHODS	TYPICAL DATA		
ISO VG	-	-	32	46	68
Specific gravity at 15°C	kg/m ³	NFT 60101	865	870	876
Kinematic viscosity at 40°C	mm ² /s (cSt)	NFT 60100	32,1	46	68,3
Kinematic viscosity at 100°C	mm ² /s.	ASTM D445	5,5	7	9,2
Viscosity index	-	ASTM D2270	109	109	110
Flash point	°C	NFT 60118	206	222	234
Pour point	°C	NFT 60105	-21	-18	-15
TAN (TotalAcid Number)	mg KOH/g	ASTM D 664	0,05	0,05	0,05
Copper corrosion	-	ASTM D 130	1a	1a	1a

The average values are given for information only.