

PRODUCT DATA SHEET

SERVOSYNTURBO GF 46



SERVO®

DESCRIPTION

Servosynturbo GF 46 is a new generation electro hydraulic fluids recommended for use in governor control systems of steam turbines. This fire resistant turbine governor fluid is phosphate ester based, providing highest fire resistance with excellent lubrication and self extinguishing characteristics.

APPLICATION

Servosynturbo GF 46 is recommended for use in mega thermal power plants operated with steam turbine as a fire resistant turbine governor fluid. Servosynturbo GF 46 is recommended to use in governor control systems of steam turbines including systems using of fine tolerance Servo valves.

The product should not be contaminated with mineral oils and to be kept free from moisture.

PERFORMANCE BENEFITS

- High oxidation and thermal stability.
- Excellent hydrolytic stability.
- Excellent lubrication properties.
- High autoignition temperature
- Inherent self extinguishing property.
- Highest fire resistance property.

APPROVALS

- Approved by Siemens Germany according to its specification TLV 901202
- Approved by BHEL Hardwar according to its specification ST22007

CHARACTERISTICS

ISO VG	46
Kinematic Viscosity cSt @ 40°C	41.4 - 50.6
Kinematic Viscosity cSt @ 100°C	4.97
TAN, mg KOH/gm	0.10 Max
Pour Point, °C, Max	(-)18 Max
Flash Point, COC, °C, Min	260
Auto ignition temperature, Deg C	560
Wear Scar Dia, 40 kg 1800 rpm, 54 Deg C, 1 hr	0.7 Max
Chlorine Content, ppm	< 10
Air Release Value@ 50°C, minutes	< 1

HEALTH & SAFETY

These oils are unlikely to present any significant health or safety hazard when properly used in the recommended application and good standards of industrial and personal hygiene are maintained.

For further information please contact our nearest office OR:

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