

# Goldenstone® Tp

## Technical Data Sheet (TDS)

### Power generation oils

#### Description and Application

**GOLDENSTONE® Tp** turbine oils are formulated from highly refined lube base stocks blended with a highly efficient ash-free additive package providing high oxidation stability, reliable corrosion protection.

**GOLDENSTONE® Tp** turbine oils are developed to lubricate water, steam and gas turbines (normal service), required TSA and TGA oils in accordance to ISO 8068.

**GOLDENSTONE® Tp** turbine oils are also suitable for the lubrication of the associated with turbines equipment and assemblies and as well as the systems governing those machines.

Baths and circulating systems, oil-lubricated bearings of different types, from moderately to medium loaded assemblies and hydraulic systems under low to moderate pressures are among the other typical applications.

#### Benefits

- Very good oxidation stability
- Very good water separability
- Maximum resistance to degradation
- Siemens approved

БДС ISO 6743-5	ISO L-TSA
ISO 8068: 2006	L-TSA, L-TGA
ISO 8068	Type AR
DIN 51515	Част 1 (L-TD)
DIN 51524	Част 1 (HL)
British Standard	489 (CIGRE)
ASTM D 4304	Type I
MIL-L	17672 D
Siemens TLV	9013 04- Approved

#### Specifications

ISO 3448	VG 32, 46
----------	-----------

#### Typical

Parameter	Test Method		
Density at 20°C, g/cm <sup>3</sup>	EN ISO 3675	0.868	0.872
Kinematic viscosity at 40°C, mm <sup>2</sup> / s	EN ISO 3104	32	46
Viscosity Index	ISO 2190	98	95
Flash point, COC, °C	EN ISO 2592	220	225
Pour point, °C	ISO 3016	-15	-12
TAN, mgKOH/g		0.06	0.06
Rust Preventive in the presence of dist.water	ISO 7120	pass	pass
Copper strip corrosion, 3h, 100°C	ISO 2160	1a	1a
Water Separability - time to 3 ml emulsion, min	ISO 6614	4	6
Air release properties, 50°C, min	ISO 9120	4	4
Oxidation stability test, - time to acid number of 2.0 mg KOH/g	ISO 4263	4000	3500
Oxidation stability test, - RBOT, min	ASTM D 2272	350	300

Important note: Typical data values do not constitute a specification but are an indication based on current production and can be affected by allowable production tolerances. The right to make modifications is reserved.

## Health, Safety and Handling

Based on current available information, this product is not expected to produce adverse effects on health when used for the intended application.

For more information about product MSDS, terms and conditions for storage and shelf life please visit:

[www.goldenstoneoils.com](http://www.goldenstoneoils.com)

## Packages

210L, Bulk

Version: March 14, 2018