

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 ³ | EN ISO 3675 | 0.868 | 0.872 |
| Kinematic viscosity at 40°C, mm ² /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

Packages

210L, Bulk

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