

## Industrial Steam and Gas Turbine Oil

### Description

The DAYAN Turbine Oil T SP1 range has been developed to meet the lubrication requirements for steam & gas turbines and turbocompressors where a highly refined mineral-based oil is required. The additive treatment ensures good anti-oxidation, anti-corrosion and low temperature application, and absence of foaming in service .

### Features and benefits

- Long service life
- Wide range of applications
- Trouble-free operation for extended periods
- Excellent thermal and Oxidation stability
- Outstanding rust and corrosion inhibiting
- Low temperature applicable
- Excellent water separability

### Application

All types of gas and steam turbines specially in very low temperature

### Specification

- DIN 51515-1 TD
- DIN 51515-2 TG
- ALSTOM HTGT 90117
- Siemens TLV 901304

### Storage and Handling

DAYAN Turbine Oil T SP1 series are Unlikely to present any significant health or safety hazard when properly used in the recommended application, and good standard of Industrial and personal hygiene are maintained. Avoid contact with skin. Use impervious gloves with used oil. After skin contact, wash immediately with soap and water.

The DAYAN trademark is registered and protected in Iran.

## Technical Data

| Test                         | Units              | Method     | T SP1 32 | T SP1 46 | T SP1 68 |
|------------------------------|--------------------|------------|----------|----------|----------|
| ISO Viscosity Grade          | -                  | -          | 32       | 46       | 68       |
| Relative Density at 15°C     | g/ml               | ASTM D4052 | 0.86     | 0.86     | 0.87     |
| Kinematic Viscosity at 40°C  | mm <sup>2</sup> /s | ASTM D445  | 32.0     | 46.0     | 68.0     |
| Kinematic Viscosity at 100°C | mm <sup>2</sup> /s | ASTM D445  | 5.4      | 6.8      | 8.8      |
| Viscosity Index              | -                  | ASTM D2270 | 102      | 101      | 102      |
| Flash Point                  | °C                 | ASTM D92   | 218      | 224      | 230      |
| Pour Point                   | °C                 | ASTM D5985 | -30      | -30      | -27      |

Note:

1- The Typical characteristics are given as a guide only and may vary according to latest production according to ISO.