

# TURBWAY GT 46

## Turbine oil

### Product description

TURBWAY GT 46 is a high-performance turbine oil based on a synthetic base oil in combination with selected additives to enhance performance. The product has very high thermal stability, which reduces the risk of deposits and the formation of varnish.

### Application areas

TURBWAY GT 46 is recommended for modern steam and gas turbines with very high operating temperatures, such as ABB GT 10. The product is also suitable for systems with combined steam and gas turbines, i.e. Combined Cycle Gas Turbines (CCGT) as well as in Integrated Gasification Combined Cycle (IGCC) plants using syngas to drive the turbine. The product has good performance in turbines and compressors in ammonia plants. TURBWAY GT 46 is also suitable for marine turbines and the lubrication of turbo compressors on offshore platforms. The product's wide area of use means that the number of products in stock can be reduced.

### Characteristics and advantages

In turbines there may be local temperatures of between 300 and 350 °C, which puts high demands on oxidation stability and the ability to minimise risks of deposits or varnish formation. TURBWAY GT 46 withstands high temperatures and is formulated to clean and provide optimal functioning in such conditions, which extends the life of the oil used in turbines or compressors. TURBWAY GT 46 has rapid air separation, which counteracts cavitation and wear on the turbine. The product also has a good load-carrying capacity, which is often necessary in marine applications when reversing turbine operation. TURBWAY GT 46 provides reliable operation and minimises maintenance costs.

### Tests and approvals

Classified as DIN 51515 (part 2) TD 46 and DIN 51524 (part 1) HL 46, Classified as L-TSA/TSE/TGA/TGB/TGE in accordance with ISO 6743-5, Approved in accordance with Siemens TLV 9013 04, Meets the demands according to Siemens MAT 812102/812107/812109, Meets the demands according to Solar Turbines ES 9-224 and AEG - Kanis

### Handling and storage

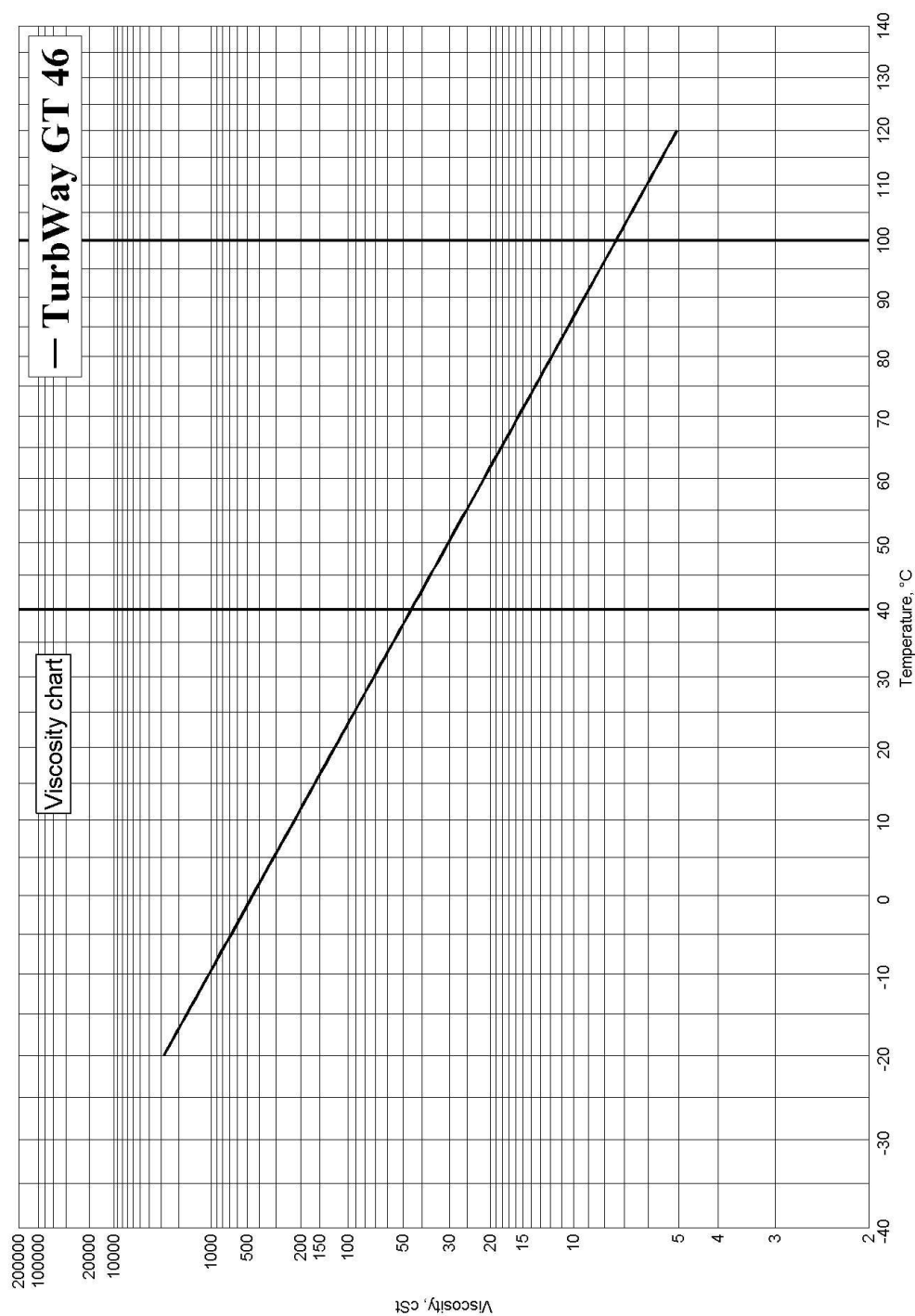
Avoid skin contact. In the event of contact with skin, wash with soap and water. Dispose of used oil at a recycling station or equivalent. Safety data sheets are available on [www.statoillubricants.com](http://www.statoillubricants.com) or supplied on request.

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## Typical Data

Characteristics	Typical value	Unit	Method
Density at 15°C	843	kg/m <sup>3</sup>	ISO 12185
Flash point COC	253	°C	ISO 2592
FZG A/8.3/90	8	FLS	CEC-L-07-A-95
Pour point	-30	°C	ISO 3016
Viscosity at 40°C	46	mm <sup>2</sup> /s	ISO 3104
Viscosity at 100°C	7.4	mm <sup>2</sup> /s	ISO 3104
Viscosity index	129	-	ISO 2909

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