

# TECHNICAL DATA SHEET (TDS) Turbo T 46

## 1. PRODUCT INFORMATION.

**Product trade-name:** Turbo T 46

**Product description:** It is a high performance turbine oil developed for steam turbine, gas turbine and combined cycle, can apply under the most severe operating condition. It is operating at high temperatures and possesses outstanding thermal, oxidation stability, good load carrying capacity and excellent water separability, superior rust, corrosion inhibition, low foaming tendency, good air release properties and resistance to chemical degradation to provide excellent equipment protection, reliable operation, with reduced down-time and extended service life.

**Turbo T 46** is recommended for power generation gas turbines, gas turbines and combined cycle gas turbines (CCGT). Large heavy duty industrial gas turbines, power generation and industrial steam turbines.

**Product code:** 3022

**Manufacturer:** Almog Company for the manufacture of industrial oils and their derivatives.

**Address:** Alahli Club Investment Building, floo.r NO.1, Alflah area, Tripoli, Libya.

## 2. PACKAGING.

In metal dram size of 200 liters.

## 3. TRANSPORT, HANDLING AND STORAGE.

**Transport:** Not hazardous

**Handling:** No special precautions necessary.

**Storage:** It should be according to ISO 2230. The storage accommodation should be cool, dry and moderately ventilated, not exposed to hot sun or freezing conditions.

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**ALMOG COMPANY FOR THE MANUFACTURE OF  
INDUSTRIAL OILS AND THEIR DERIVATIVES**

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#### **4. PROPERTIES.**

<b>ROPERTIES</b>	<b>DESCRIPTION</b>
Grade	ISO 46
Density @ 15 °C Kg/m <sup>3</sup>	861
Kinematic Viscosity c St @ 40 Degc	41.5-50
Kinematic Viscosity c St @ 100 Degc	6.5
Viscosity index	107
Flash Point, °C .	>190
Pour Point, °C,	< -20
Total acid number (mgKOH/g)	0.1
Foam, all sequence stability and tendency	Pass

#### **5. APPLICATION AND USES**

ISO L-TSE, L-TGE and L-TGSE; JiS K-2213 Type 2

HTGD 90 117 V0001 Y

ASTM 4304-13 Type I, II and III

Dresser Rand 003-406-001 Type I and III

GB 11120-2011, L-TSE, L-TGE and L-TGSE

GEK 101941a, GEK 107395a and GEK 120498

Siemens Power Generation TLV 9013 04 and 05, Ruston report 65/0027 and Turbo-machinery 1CW0047915

Solar ES 9-224W Class II

MAN D&T SE TED 10000494596

DIN 51515 Part 1 L-TD and Part 2 L-TG

General Electric GEK 32568j, GEK 46506e, GEK 28143b

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Almog Company for the manufacture of industrial oils and their derivatives.

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