

## TUBRINE OIL 46

### Description

TURBINE OIL 46 is a supreme performance turbine oil specially designed for use in non-g geared steam turbines, gas turbines and combined cycle gas turbines (CCGT) including the gas turbines operating at high temperatures. TURBINE OIL 46 is based on high quality virgin mineral base oil in combination with an unique additive package to ensure the following properties:

### REDEFINING LIQUID ENGINEERING

### Performance Benefits

<b>Excellent water separation capability resists formation of emulsion and leads to easy removal of excess water from the lubrication system.</b>	<b>Effective rust and corrosion inhibitors provide long term protection to critical system components.</b>
<b>Good air release properties and foam control.</b>	<b>Increased conductivity to prevent build-up of electrostatic charges (microsparks) than can cause fire/explosion hazards.</b>
<b>Prevents sludge formation, controls deposits and minimizes oil degradation.</b>	

### Applications

TESTING METHODS	RESULTS
SAE GRADE	46
VISCOSITY, ASTM D445	
cSt @ 40 °C	45.5
cSt @ 100 °C	6.7
Viscosity Index, ASTM D 2270	111
Sulfanated Ash, Wt%, ASTM D874	1.0

Total Base # , mg KOH/g, ASTM D 2896	70
Pour Point, °C, ASTM D 97	-24
Flash Point, °C, ASTM D 92	225
Density @ 15°C kg/l, ASTM D 4052	0.88

## Approval

*Exceeds: ASTM D4304 Type I, DIN 51515-1 (TD), DIN 51515-2 (TG), ALSTOM HTGD 90117 W (non EP), GEK 107395A/27070/32568J/46506E, AIST 125, Solar ES 9-224, Siemens TLV 9013 04 & 05 (non EP), Fives Cincinnati P-38*

*AVAILABLE IN 18L AND 200L*

## Health, Safety & Environment

### Health and Safety

- Our Lubricant is unlikely to present any significant health or safety hazard when properly used in the recommended application and good standards of personal hygiene are maintained.
- Avoid contact with skin. Use impervious gloves with used oil. After skin contact, wash immediately with soap and water.
- Guidance on Health and Safety is available on the appropriate Material Safety Data Sheet, which can be obtained from <http://www.advancelubeholdings.com>
- Protect the Environment Take used oil to an authorized collection point.
- Do not discharge into drains, soil or water. Additional Information Advice on applications not covered here may be obtained from our representative.