



# TECHNICAL DATA

## GB UNIPOWER® T 32 and 46

### APPLICATIONS

GB UNIPOWER® T 32 and 46 have been formulated using the highest quality virgin group II base oils and enhanced ashless additive technology to produce a high performance turbine oil for use in steam turbines, gas turbines and combined cycle gas turbine applications operating under the most severe conditions.

### PERFORMANCE FEATURES

GB UNIPOWER® T 32 and 46 provide the following features

- Oxidation and thermal stability
- Outstanding hydrolytic stability
- Very good EP/antiwear performance
- Resistance to deposit and varnish formation
- Excellent rust protection
- Excellent demulsibility
- Rapid air release
- Excellent modified rotary bomb performance
- Low foaming
- Superior wet and dry filterability
- Good seal compatibility

### PERFORMANCE DETAILS

GB UNIPOWER® T 32 and 46 may be used where the following specifications are required:

DIN 51524 part 1(HL)	US Steel 120	CEGB 207001
DIN 51517 part 2(CL)	GEK 32568 F/G	Alstom Power HTGD 90117
DIN 51515 part 1(L-TD)	GEK 28143A	ASTM D4304 (Type II)
DIN 51515 part 2(L-TG)	GEK 10941-A	Solar ES 9-224
AFNOR NF E 48-603(HL)	MIL-L-17572 D	JIS K 2213
Siemens TLV 901304	MIL-L-17331H	Westinghouse Electric Corp, Turbine Oil Spec
BS 489	Cincinnati Machine P-38, P-55	

Cont'd.../...

## **GB LUBRICANTS**

Albany Road Gateshead NE8 3BP

Tel: 0191 490 4312  
Fax: 0191 477 9544  
e-mail: gblsales@gb lubricants.co.uk  
www.gblubricants.co.uk

Trading Name of Goodall Bates & Todd Ltd



**CHARACTERISTICS**

TEST	UNIT	METHOD	TYPICAL PHYSICAL CHARACTERISTICS	
			32	46
ISO			32	46
Appearance	-	-	Clear, pale yellow liquid	Clear, pale yellow liquid
Density @ 15°C	kg/m <sup>3</sup>	IP 160	859	868
Kinematic Viscosity @ 40°C	cSt	IP 71	32.0	46.0
Demulsification @ 54°C	mins	ASTM D 1401	10	10
Copper Corrosion	rating	ASTM D 130	1a	1a
Steel Corrosion	rating	ASTM D 665	Pass	Pass
TOST	hours	ASTM D 943	>10,000	>10,000
RPVOT	mins	ASTM D2272	1615	1480

**STORAGE AND HANDLING**

GB UNIPOWER® T 32 and 46 should be stored under cover to avoid water collecting in the rim of upturned barrels.

Further information on GB UNIPOWER® T 32 and 46 can be obtained by referring to the corresponding Safety Data Sheet.

***The Company policy is to ensure that a range of products is supplied which complies with the latest specifications and codes within the relevant industry. As part of this development process, we therefore reserve the right to amend formulations without prior notice.***