

OIL TECH

The Lubrication Specialists

TECHNICAL DATA SHEET

TURBINE OIL 32 & 46

PRODUCT DESCRIPTION

Turbine Oil 32 and 46 are multifunctional rust and oxidation inhibited (R&O) turbine oils suitable for use where high demands are placed on the lubricant.

Turbine Oil 32 and 46 are blended from premium quality hypo-cracked Group II paraffin base oils possessing a high viscosity index and low pour point, and multifunctional ashless additive packages. The combination of these components provides outstanding oxidative stability and corrosion inhibition for a long trouble free service life.

Turbine Oil 32 and 46 resist emulsification, and any formation of unwanted stable foam. Sludge formation is prevented and protection against ferrous and non ferrous corrosion is maintained.

APPLICATION

Used for steam and gas turbine applications. Also widely used in large circulating systems as bearing oils, and in low to moderate pressure hydraulic systems.

PERFORMANCE

- High oxidation stability
- Good thermal stability
- Excellent hydrolytic stability
- No sludge formation
- Good protection against corrosion of steel and non-ferrous metals
- Excellent demulsifying behaviour and low foaming tendencies

PERFORMANCE CHARACTERISTICS

Cincinnati Machine P-38 (ISO 32) and P-55 (ISO46)

DIN 51524 Part 1 (HL)

DIN 51517 Part 2 (CL)

AFNOR NF E 48-603 (HL)

DIN 51515, Part 1 (L-TD)

Siemens TLV 9013 04/01

British Standard BS489

General Electric GEK 32568 A/C

MIL -L-17672 D

US Steel 120

CEGB Standard 207001

Brown Boveri HTGD 90117

Westinghouse Electric Corp. Turbine Oil Spec

TURBINE OIL 32 & 46

TYPICAL INSPECTION

Properties	Method		
ISO Viscosity		32	46
Appearance	Visual	Clean, bright	Clear, bright
Viscosity @ 40°C cSt	ASTM D445	32	46
Viscosity @ 100°C cSt	ASTM D445	5.4	6.75
Density @ 15°C kg/l	ASTM D1298	0.855	0.864
Flash Point °C	ASTM D92	219	229
Pour Point °C	ASTM D97	-39	-36
Copper Corrosion	ASTM D130	1A	1A
Rust Test	TM D665A, B	Pass	Pass
Demulsibility- Minute to separate	ASTM D1401	5	5
Oxidative Stability- 1000 hours Sludge TAN	ASTM D943	20 0.25	40 0.25