



Energol THB

Turbine Oil

Description; Description

The Energol THB range has been developed to meet the lubrication requirements for turbines and turbocompressors where a mineral-based oil is required. The additive treatment ensures good

anti-oxidation, anti-corrosion and demulsification properties, and absence of foaming in service.

Applications; Applications

The grades in this range meet the lubrication requirements of steam turbines, but are also suitable for gas turbines and compressors. Energol THB is adequate for equipment where

manufacturers specify or accept a TOST life of 4000 hours (to acidity level 2.0 mgKOH/g).
Meets BS 489:1999
Meets DIN 51515

Main Benefits; Main Benefits

- Long service life
- Wide range of applications

- Trouble-free operation for extended periods

Storage; Storage

All packages should be stored under cover. Where outside storage is unavoidable drums should be laid horizontally to avoid the possible ingress of water and the obliteration
; All packages should be stored under cover. Where outside storage is unavoidable drums should be laid horizontally to avoid the possible ingress of water and the obliteration

of drum markings. Products should not be stored above 60°C, exposed to hot sun or freezing conditions.; of drum markings. Products should not be stored above 60°C, exposed to hot sun or freezing conditions.

Health, Safety and Environment; Health, Safety and Environment

Health, safety and environmental information is provided for this product in the Materials Safety Data Sheet. This gives details of potential hazards, precautions and First Aid measures, together with environmental effects and disposal of used products.; Health, safety and environmental information is provided for this product in the Materials Safety Data Sheet. This gives details of potential hazards, precautions and First Aid measures, together with environmental effects and disposal of used products.

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Typical Characteristics; Typical Characteristics

	Test Methods; Test Methods	Units; Units	Grade ;	Grade :	Grade :	Grade :
			32	46	68	77
Density at 15 °C	ASTM D1298	kg/m3	874	877	881	881
Flash Point (PMCC)	ASTM D93	°C	216	220	230	230
Kinematic Viscosity :	ASTM D445	mm2/s				
	@ 40 °C		32	46	68	77
	@ 100 °C		5.3	6.7	8.6	9.6
Viscosity Index	ASTM D2270		102	102	102	100
Pour Point	ASTM D97	°C	-12	-12	-12	-12
Neutralization Value	ASTM D664	mgKOH/g	0.1	0.1	0.1	0.1
Corrosion - rust protection (B)	ASTM D665		pass	pass	pass	pass
Demulsification No.	IP 19	s	60	60	90	90
TOST Life to Acidity Level	ASTM D943	h	4000	4000	4000	4000
2.0						
mgKOH/g						

The above figures are typical of those obtained with normal production tolerance and do not constitute a specification.; The above figures are typical of those obtained with normal production tolerance and do not constitute a specification.

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