



## Product Data

# Energol THB 68

Turbine Oil

### Description

The BP Energol THB turbine oil range of lubricants are based upon highly refined mineral oil enhanced with rust and oxidation inhibitors.

### Application

Energol THB turbine oils are formulated using highly refined mineral oils, with selected additives to improve their inherent high oxidation stability and to protect against corrosion of ferrous and non ferrous metals. Energol THB oils are primarily intended for the lubrication of gas and steam turbines where the base oils used have been selected to give the requisite water separation characteristics as well as providing resistance to foaming and air entrainment, all essential properties for this demanding application.

Energol THB grades can also be used as a general purpose rust and oxidation (R&O) lubricant for compressors, hydraulic systems, gear boxes and circulatory systems where high oxidation stability performance is required but with no demand for antiwear performance.

Energol THB is compatible with nitrile, silicone and fluropolymer seal materials.

### Advantages

- Excellent oxidation stability provides trouble free operation for extended periods in aggressive environments.
- Good foam and air release properties mean the product meets the requirements of most turbine builders.
- Excellent water separation and corrosion inhibition means reduced down time through prolonged lubricant life and increased equipment reliability.

## Typical Characteristics

Name	Method	Units	Energol THB 68
Density @ 15C, Relative	ASTM D4052	g/ml	0.881
Viscosity, Kinematic 40C	IP 71	mm <sup>2</sup> /s	68
Viscosity, Kinematic 100C	IP 71	mm <sup>2</sup> /s	8.6
Viscosity Index	IP 226	None	102
Foam Sequence I, Tendency	IP 146	ml	20
Foam Sequence I, Stability	IP 146	ml	0
Air Release Value @ 50C	IP 313	minutes	5
Demulsification	IP 19	seconds	90
Pour Point	IP 15	°C	-12
Flash Point, PMCC	IP 34	°C	230
Rust Test	IP 135B	-	Pass
Copper Corrosion, 3hrs @ 100C	IP 154	-	1A
TOST Test, hrs to 2 mg KOH/g	ASTM D943-95	hours	4000

Above figures are typical and do not constitute a specification

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

Energol THB 68

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