



Energol SHF-LT 15

Low Temperature Hydraulic Oil

Description; Description

Energol SHF-LT 15 is a low viscosity mineral oil-based hydraulic fluid of particularly high Viscosity Index (VI). The inclusion of a VI-improver ensures that the

viscosity is maintained over a wide operating temperature range. The product incorporates full additive treatment to minimize oxidation, wear and foam, and to inhibit corrosion.

Applications; Applications

Developed for use in systems with small diameter piping (such as remote control actuating systems) operating at very low ambient temperatures.

Observe the system- manufacturers' filtration requirements and oil change intervals. The addition of fresh oil to the system should always be through a filter.

The performance of Energol SHF-LT 15 approximates to the requirements of two aviation specifications - DTD 585B (UK), MIL-H-5606 (USA). However, as the oil is primarily used in industrial applications it has not been submitted for approval against these specifications.

Main Benefits; Main Benefits

- Trouble-free hydraulic operations even in extremely low temperatures
 - Long life of hydraulic components
 - Long life for the hydraulic oil itself
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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
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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

BP Lubricants and Special Products Ltd. or its subsidiaries will not accept liability if the product is

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 :
Density at 15 °C	ISO 3675, ASTM D1298	kg/m ³	15 862
Flash Point (COC)	ISO 2592, ASTM D92	°C	90
Viscosity KV @ -40 °C	ISO 3104, ASTM D445	mm ² /s	462 46
0 °C			14
40 °C			5.5
100 °C			>300
Viscosity Index	ISO 2909, ASTM D2270		
Pour Point	ISO 3016, ASTM D97	°C	-51
Neutralisation Value	ASTM D664	mgKOH/g	0.15
Copper corrosion 3h/100 °C	ISO 2160, ASTM D130		pass

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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Witan Gate House Lubricants Helpline: 0845 - 6031080
500/600 Witan Gate Fax: 0845 - 6031070
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