



Product Data

Energol HLP-Z 32

Anti-wear hydraulic oil

Description

BP Energol HLP-Z is based upon highly refined mineral oil enhanced with a stabilised zinc additive system.

Application

BP Energol HLP-Z is primarily for use in hydraulic equipment, but is suitable for other duties in which lubricants with good oxidation stability and lubrication performance are required. The quality of its base oils and additives permits the application of Energol HLP-Z in lightly loaded gears and for use as circulating oil in applications where a rust and oxidation inhibited oil is required.

The range is fully compatible with elastomer materials commonly used for static and dynamic seals, such as nitrile, silicone and fluorinated (e.g. Viton) polymers.

Energol HLP-Z is classified as follows:

DIN 51502 classification - HLP ISO 6743/4 - Hydraulic Oils Type HM

Energol HLP-Z meets the requirements (for appropriate viscosity grade) of:

DIN 51524 part 2

GB 111118.1 L-HM Hydraulic Oil (Conventional).

Advantages

- Good wear and corrosion protection
- Good resistance to oxidation
- Good water separation

Typical Characteristics

Name	Method	Units	HLP-Z 32
Density @ 15°C / 59°F	ISO 12185 / ASTM D4052 / DIN 51757-3	kg/m ³	876
Kinematic Viscosity @ 40°C / 104°F	(DIN EN) ISO 3104 / ASTM D445	mm ² /s	32.8
Flash Point - open cup method	ISO 2592 / ASTM D92	°C/°F	220/428
Water content (%)	(DIN EN) ISO 12937 / ASTM D95	%wt	Trace max.
FZG Gear Scuffing test - A/8.3/90	(DIN) ISO 14635-1	Failure Load Stage	> 10

Subject to usual manufacturing tolerances.

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