



# BP Hydraulic Oil 32

Anti-wear hydraulic oil

## Description

The BP Hydraulic™ Oil range are based upon mineral oil enhanced with a stabilised zinc additive system.

## Application

BP Hydraulic 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 the BP Hydraulic range in lightly loaded gears and for use as circulating oil in applications where a rust and oxidation inhibited oil is required.

The BP Hydraulic oils meet the specification requirements of the Vickers vane-pump test, DIN 51524 Part 2 and is classified as DIN 51502 classification – HLP & ISO 6743/4 – Hydraulic Oils Type HM.

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.

## Advantages

- Good anti-wear performance – prevents wear of internal components reducing downtime
- Resistant to oxidation – extends service life
- Good water separation – reduces downtime and prolongs lubricant life

## Typical Characteristics

Test	Method	Units	Hydraulic 32	Hydraulic 46	Hydraulic 68
ISO Viscosity Grade	-	-	32	46	68
Density @ 15°C	ISO 12185	g/ml	0.88	0.88	0.88
K.V. @ 40°C	ISO 3104	mm <sup>2</sup> /s	32	46	68
K.V. @ 100°C	ISO 3104	mm <sup>2</sup> /s	5.44	6.82	8.77
Viscosity Index	ISO 2909	-	>95	>95	>95
Pour Point	ISO 3016	°C/°F	-30/-22	-27/-17	-24/-11
Flash Point, COC	ISO 2592	°C/°F	210/411	215/419	226/440
Foam Seq I	ISO 6247	mls	10/0	10/0	10/0
Water Separability @ 54°C	ISO 6614	Mins	15	15	15
Air Release Value	ISO 9120	Mins	4	8	8
FZG fail stage (A8.3/90)	DIN 51354	-	11	12	12
Rust Test ( 24 hrs distilled water)	ASTM D665A	-	Pass	Pass	Pass
Rust Test ( 24 hrs Synthetic sea water)	ASTM D665B	-	Pass	Pass	Pass

Subject to usual manufacturing tolerances.

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