



Product Data

Hydraulic Oil Range

Anti-wear Hydraulic Oil

Description

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

Application

Castrol 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 Castrol 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 :-

- DIN 51524 Part 2
- GB11118.1-2011

and is classified as:-

- GB11118.1 L-HM
- 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

Name	Method	Units	Hydraulic Oil 32	Hydraulic Oil 46	Hydraulic Oil 68
Density @ 15°C / 59°F	GB/T 1884 / ISO 121185 / ASTM D4052	g/ml	853	862	872
Kinematic Viscosity @ 40°C / 104°F	GB/T 265 / ISO 3104 / ASTM D445	mm²/s	32	46	68
Viscosity Index	GB/T 1995 / ISO 2909 / ASTM D2270	-	116	108	104
Pour Point	GB/T 3535 / ISO 3016 / ASTM D97	°C / °F	-30 / -22	-27 / -17	-25 / -13
Foam Sequence I - tendency / stability	GB/T 12579 / ISO 6247 / ASTM,D892	ml / ml	20/0	20/0	20/0
Flash Point - open cup method	GB/T 3536 / ISO 2592 / ASTM D92	°C / °F	220 / 428	230 / 446	248 / 478
Water Separation @ 54°C / 129°F (40/37/3)	GB/T 7305 / ISO 6614 / ASTM D1401	minutes	7	10	13
Air Release Value @ 50°C	SH/T 0308 / ISO 9120 / ASTM D3427	minutes	6	8	12

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