



Product Data

Castrol Hyspin VG

Hydraulic oils

Description

The Castrol Hyspin™ VG hydraulic oil range is based upon highly refined mineral oil enhanced with rust and oxidation inhibitors.

Application

Castrol Hyspin VG has been specially formulated to provide outstanding protection against rust and oxidation while demonstrating good lubricity. Castrol Hyspin VG is also referred to as a "R & O" (Rust and Oxidation) hydraulic oil.

This range is designed for use in hydraulic systems which do not need anti-wear performance but where a degree of rust and oxidation resistance is desirable. It is also suitable for pumps which contain silver-plated components.

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

Hyspin VG is classified as follows:
DIN 51502 classification - HL
ISO 6743/4 - Hydraulic Oils Type HL

Advantages

- Good thermal and oxidative stability leads to longer operating life, reduction in lubricant costs and minimises deposit formation giving a cleaner system.
- Good protection of yellow metal and ferrous components helps maintain and prolong equipment life.
- Excellent water separation and hydrolytic stability means reduced down time through prolonged lubricant life and increased equipment reliability.

Typical characteristics

Test	Method	Units	VG 32	VG 46	VG 68	VG 100	VG 150	VG 220
ISO Viscosity Grade	-	-	32	46	68	100	150	220
Density @ 15°C	ISO 12185/ASTM D4052	g/ml	0.87	0.88	0.88	0.87	0.87	0.88
K.V. @ 40°C	ISO 3104/ASTM D445	mm ² /s	32	46	68	100	150	200
K.V. @ 100°C	ISO 3104/ASTM D445	mm ² /s	5.44	6.82	8.77	11.8	14.6	19.3
Viscosity Index	ISO 2909/ASTM 2270	-	>95	>95	>95	>95	>95	>95
Pour Point	ISO 3016/ASTM D97	°C/°F	-30/-22	-24/-11	-21/-6	-15/5	-15/5	-10/14
Flash Point, COC	ISO 2592/ASTM D92	°C/°F	210/411	215/419	226/440	226/440	232/450	243/469
Flash Point, PMCC	ISO 2719/ASTM D93	°C	200	200	220	220	220	226
Foam Seq I	ISO 6247/ASTM D892	mls	10/0	10/0	10/0	10/0	10/0	10/0
Water Separability @ 54°C	ISO 6614/ASTM D1401	Mins	10	10	15	-	-	-
Water Separability @ 82°C	ISO 6614/ASTM D1401	Mins	-	-	-	10	15	15
Air Release Value	ISO 9120/ASTM D3427	Mins	4	8	8	12	18	-
Rust Test (24 hrs distilled water)	ISO 7210/ASTM D665A	-	Pass	Pass	Pass	Pass	Pass	Pass
Rust Test (24 hrs Synthetic sea water)	ISO 7210/ASTM D665B	-	Pass	Pass	Pass	Pass	Pass	Pass

Subject to usual manufacturing tolerances.

Castrol Hyspin VG
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