



Product Data

## Hyspin 4243

Hydraulic Oil

### Description

Castrol Hyspin™ 4243 is a zinc-free detergent hydraulic oil (type HLP-D), based on high quality base oils and selected additives. This hydraulic oil has detergency / dispersing properties which retains impurities in solution avoiding deposits and adhesions in the system which can cause interference in control systems. Corrosion is avoided through the high moisture absorption propensity and it also reduces wear in boundary lubrication area.

### Application

Castrol Hyspin 4243 is a multipurpose hydraulic oil, especially suitable for use in unfavourable operating conditions, such as high moisture or the presence of foreign substances.

Castrol Hyspin 4243 has a very good moisture absorption capacity, optimum corrosion protection and high wear protection and aging stability.

Type HLP-D and exceeds the performance requirements of DIN 51524-2.

### Advantages

Hyspin 4243 when compared to conventional Hydraulic oils has the following advantages:-

- High load carrying
- High water absorption
- Cleanliness of hydraulic systems

## Typical Characteristics

Name	Method	Units	4243
Appearance	Visual	-	Clear&Bright
Density @ 15°C / 59°F	ISO 12185 / ASTM D4052	kg/m <sup>3</sup>	873
Kinematic Viscosity @ 0°C / 32°F	ISO 3104 / ASTM D445	mm <sup>2</sup> /s	535
Kinematic Viscosity @ 40°C / 104°F	ISO 3104 / ASTM D445	mm <sup>2</sup> /s	46
Kinematic Viscosity @ 100°C / 212°F	ISO 3104 / ASTM D445	mm <sup>2</sup> /s	7
Viscosity Index	ISO 2909 / ASTM D2270	-	103
Pour Point	ISO 3016 / ASTM D97	°C/°F	-33/-27
Flash Point - open cup method	ISO 2592 / ASTM D92	°C/°F	234/453
Oxidation	DIN EN ISO 6245	%	<0.01
Air Release @ 50°C / 122°F	ISO 9120 / ASTM D3427	minutes	6
Copper corrosion (3 hrs@100°C/212°F)	ISO 2160 / ASTM D130	rating	1
Rust test - synthetic seawater (24 hrs)	ISO 7120 / ASTM D665B	rating	Pass
Foam Sequence I - tendency / stability	ISO 6247 / ASTM D892	ml/ml	< 150 / 0
Foam Sequence II - tendency / stability	ISO 6247 / ASTM D892	ml/ml	< 75 / 0
Foam Sequence III - tendency / stability	ISO 6247 / ASTM D892	ml/ml	< 150 / 0
FZG Gear Scuffing test - A/8.3/90	ISO 14635-1	-	11
Brugger test	DIN 51347	N/mm <sup>2</sup>	>50

Subject to usual manufacturing tolerances.

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