



## Hyspin DHV 68

Hydraulic oil

### Description

Castrol Hyspin DHV 68 is a high quality product based on mineral oil, that guarantees a high function and operational safety. The capabilities of this high VI hydraulic oil exceeds the requirements of DIN 51524-3 for HVLP-D oils. The excellent viscosity temperature performance of this oil is its special quality characteristic.

With an optimal operational viscosity over a wide temperature range, this hydraulic oil is guaranteed to maintain its high performance even at very low temperatures. The high viscosity index gives Hyspin DHV 68 multiple characteristics and makes it possible to cover with quality, several viscosity classes. In addition it has a good corrosion prevention, excellent ageing stability and reaches an outstanding wearing protection with a high measure of efficiency.

### Application

Hyspin DHV 68 is usable for all hydraulic systems that need precise control, in large variations of temperature, as long as no special precision oils are required by the systems manufacturer.

This product is recommended for use on heavy duty construction equipment, hydraulic systems on utility vehicles, production presses, auxiliary engines, numerically controlled machine tools and conveyors.

## Typical Characteristics

Name	Method	Units	Hyspin DHV 68
Hydraulic oil type	DIN 51524-3		HVLP-D
Density @ 15°C	DIN 51757	g/ml	0.878
Viscosity, 0°C	DIN 51562	mm <sup>2</sup> /s	651
Viscosity, 40°C	DIN 51562	mm <sup>2</sup> /s	68
Viscosity, 100°C	DIN 51562	mm <sup>2</sup> /s	10.78
Viscosity Index	DIN ISO 2909	None	150
Pour Point	DIN-ISO 3016	°C	-45
Flash Point, COC	DIN-ISO 2592	°C	218
Oxide ash	DIN EN ISO 6245	Gew. %	<0.01
Neutralisation Number	DIN 51558-1	mg KOH/g	0.15
Ageing characteristics			
Increase n.n. after 1000 h	DIN 51587	mgKOH/g	2,0
Air release time at 50°C	DIN 51381	min	<=10
Corrosiveness			
on copper	DIN EN ISO 2160	Korr. Grad.	1-100 A3
on steel	DIN ISO 7120	Korr. Grad.	0-A
Foaming characteristics			
at 24 °C	ISO 6247	ml	<150/0
at 95 °C	ISO 6247	ml	<75/0
at 24 °C after 95 °C	ISO 6247	ml	<150/0
Rust Test, Procedure A	DIN 51354-2	SKS	>=12

Hyspin DHV 68

08 Oct 2010

Castrol, the Castrol logo and related marks are trademarks of Castrol Limited, used under licence.

This data sheet and the information it contains is believed to be accurate as of the date of printing. However, no warranty or representation, express or implied, is made as to its accuracy or completeness. Data provided is based on standard tests under laboratory conditions and is given as a guide only. Users are advised to ensure that they refer to the latest version of this data sheet. It is the responsibility of the user to evaluate and use products safely, to assess suitability for the intended application and to comply with all applicable laws and regulations. Material Safety Data Sheets are available for all our products and should be consulted for appropriate information regarding storage, safe handling, and disposal of the product. No responsibility is taken by either BP plc or its subsidiaries for any damage or injury resulting from abnormal use of the material, from any failure to adhere to recommendations, or from hazards inherent in the nature of the material. All products, services and information supplied are provided under our standard conditions of sale. You should consult our local representative if you require any further information.

Castrol Industrial, Technology Centre , Whitchurch Hill , Pangbourne , Reading , RG8 7QR , United Kingdom

[www.castrol.com/industrial](http://www.castrol.com/industrial)