



Hyspin DHV 46

Hydraulic oil

Description

Castrol Hyspin DHV 46 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 46 multiple characteristics, and makes it possible to cover with quality in 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 46 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 the 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 46
Density @ 15°C	DIN 51757	g/ml	0.874
Viscosity, Kinematic 0°C	DIN 51562	mm ² /s	395
Viscosity, Kinematic 40°C	DIN 51562	mm ² /s	46
Viscosity, Kinematic 100°C	DIN 51562	mm ² /s	8.07
Viscosity Index	DIN ISO 2909	None	149
Pour Point	DIN-ISO 3016	°C	-45
Flash Point, COC	DIN-ISO 2592	°C	208
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	minutes	<=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
FZG test A/8,3/90	DIN 51354-2	SKS	>=12

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