



Product Data

Castrol Hyspin ZZ 46™

Zinc free hydraulic fluid

Description

Castrol Hyspin ZZ are premium category zinc-free hydraulic fluids formulated from solvent - refined base stock with a zinc-free additive system to meet the most stringent demands of modern hydraulic systems. The zinc-free additive system enables better filterability and improved thermal stability with no compromise on the anti-wear performance of the hydraulic fluid.

Application

Castrol Hyspin ZZ grades are recommended to give maximum performance in most severe vane pump applications. The excellent thermal stability characteristics make them the ideal hydraulic fluids for piston pumps and other hydraulic applications having likelihood of thermal deposit formation. They are particularly suited for hydraulic systems operating at elevated temperatures and experiencing ingress of water. Also suited for machining systems where hydraulic oil leakage may contaminate waste water disposal systems. Castrol Hyspin ZZ are widely used in machine tool and plastic moulding applications, metal goods manufacture etc. etc.

Advantages

Product Feature	Operational Advantage	Customer Benefits
Thermal stability	Minimum filter clogging due to reduced thermal degradation/ breakdown of lubricant	Longer filter and lubricant life even at elevated operating temperatures
Hydrolytic stability	No breakdown in the presence of water. No filter Operating blocking even in wet operating conditions	Longer filter and lubricant life even in wet conditions
Zinc free	Reduced waste water Contamination in the event	Environment friendly of oil leakage
Excellent antiwear Properties	Offers peak performance levels with all types of pumps Conditions	Longer pump life even severe operating
Good corrosion resistance	No corrosion of pump components or system parts	Longer pump life
Demulsification	Does not allow emulsion to form if exposed to water ingress. Easy water separation in minimum residence time	Extended fluid life
Improved filterability	Less chance of filter blockage caused by protection; reduced system lubricant breakdown in the presence of water	Excellent equipment downtime and reliable performance even in presence of water / moisture

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11.11.2006, Version Number 1.0
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Product Data

- Milacron P-68/69/70
- DIN 51524 Part II
- Hagglunds Denison HF-0 & HF-2
- Vickers 35 VQ-25 Vane Pump Test
- Racine Model 'S' Vane Pump Test

Characteristics

CHARACTERISTICS	TYPICAL VALUE
ISO VG No	46
Appearance	Bright & Clear
Viscosity. Cst @ 40°C	44-48
Viscosity Index	100
Flash Point COC °C.	220
Pour Point °C , Max.	- 15
Copper Corrosion @ 100°C.	1a
Rust Test	Pass

These are typical figures and do not constitute a specification.

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