



## Hyspin Spindle Oil E 5

Spindle oil

### Description

Castrol Hyspin™ Spindle Oil E5 is based upon highly refined mineral oil enhanced with rust and oxidation inhibitors and formulated to provide outstanding protection against rust and oxidation while demonstrating good lubricity.

This type of oil is also referred to as "R and O" oil.

### Application

Castrol Hyspin Spindle Oils are designed for use in all types of high speed spindle bearings and seal oil systems.

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

Hyspin Spindle Oil is classified as follows:

- DIN 51502 classification - HL.
- ISO 6743/4 - Hydraulic Oils Type HL.
- ISO 6743/2 - Spindle Oils Type FC.

### Features and Benefits

- 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.
- Controlled foaming to provide consistent lubrication under the high agitation conditions found in spindle bearings.

## Technical Data

Name	Method	Units	Hyspin Spindle Oil E 5
ISO Viscosity Grade			5
Density @ 15°C, Relative	NFT 60-172	g/ml	0.871
Viscosity, Kinematic 40°C	ISO 3104 / ASTM D445	mm <sup>2</sup> /s	5
Viscosity, Kinematic 100°C	ISO 3104 / ASTM D445	mm <sup>2</sup> /s	1.9
Pour Point	NFT 60-105	°C	-39
Flash Point, COC	ISO 2592 / ASTM D92	°C	114

The above figures are typical of those obtained with normal production tolerance and do not constitute a specification.

## Care and Handling

Avoid prolonged or repeated contact with skin. Wash thoroughly after handling.

## Packaging and Storage

All packages should be stored under cover. Where outside storage is unavoidable drums should be laid horizontally to avoid the possible ingress of water and the obliteration of drum markings. Products should not be stored above 60°C, exposed to hot sun or freezing conditions.

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