

Product Data

Castrol Hyspin[®] ZZ

Zinc-Free Hydraulic Oils

Description

Castrol Hyspin[®] ZZ hydraulic oils are a series of very high performance, mineral oil-based lubricants with excellent anti-wear performance. Their zinc-free formulation provides superb stability in arduous conditions and in the presence of water.

Performance Benefits

The advanced performance of **Castrol Hyspin[®] ZZ** hydraulic oils helps to insure trouble-free operation of your hydraulic system and can greatly reduce downtime and maintenance costs. **Castrol Hyspin[®] ZZ** fluids provide:

- Superb thermal and oxidative stability, extending oil life, reducing lubricant costs and minimising waste oil.
- A non-zinc formulation that extends trouble-free performance in the most demanding hydraulic systems and where there is water present.
- Excellent anti-wear performance extending pump life and reducing downtime.
- Outstanding wet and dry filterability maintaining good flow and extending filter life.
- Superior corrosion protection minimising deposit formation and maintaining a cleaner system.
- Free from heavy metals for cheaper and environmentally friendly disposal.

Castrol Hyspin[®] ZZ hydraulic oils are recommended in applications with fast cycle times, such as plastic injection moulding machines, that can cause rapid ageing of standard hydraulic oils.

Approvals

Castrol Hyspin® ZZ hydraulic oils are approved by many of the leading equipment manufacturers. These include:

- Cincinnati Milacron Nestal
- Bahr Bucher Stork Plastics Machinery
- Linde Hydraulics Vickers
- Mannesman Demag Plastics Machinery

Castrol Hyspin® ZZ oils fully meet the requirements of DIN 51524, part 2, class HLP.

Typical Characteristics

Castrol Hyspin®	ZZ 32	ZZ 46	ZZ 68
Density @ 20°C	0.860	0.869	0.883
Kinematic Viscosity, cSt @ 40°C @ 100°C	32.0 5.49	46.0 6.96	68.0 8.97
Viscosity Index	109	109	106
Closed Flash Point, °C	204	212	216
Pour Point, °C	-30	-21	-21
ISO Viscosity Grade	32	46	68