

**SMART  
LUBES****SMART LUBES****Product Data Sheet**

## Hydraulic Oil 68

Anti-wear hydraulic oil

### Description

The Smart Lubes Hydraulic™ Oil range are based upon mineral oil enhanced with a stabilized zinc additive system.

### Application

Smart Lubes Hydraulic is primarily for use in hydraulic equipment, but is suitable for other duties in which lubricants with good oxidation stability and lubrication performance are required. The quality of its base oils and additives permits the application of the Castrol Hydraulic range in lightly loaded gears and for use as circulating oil in applications where a rust and oxidation inhibited oil is required. Castrol Hydraulic oils meet the specification requirements of the Vickers vane-pump test, DIN 51524 Part 2 and is classified as DIN 51502 classification – HLP & ISO 6743/4 – Hydraulic Oils Type HM. The range is fully compatible with elastomer materials commonly used for static and dynamic seals, such as nitrile, silicone and fluorinated (e.g. Viton) polymers.

### Advantages

- Good anti-wear performance – prevents wear of internal components reducing downtime
- Resistant to oxidation – extends service life
- Good water separation – reduces downtime and prolongs lubricant life

### Typical Characteristics

Name	Method	Units	Hydraulic Oil 68
ISO Viscosity Grade	-	-	68
Density @ 15°C	ASTM D4052	kg/m <sup>3</sup>	880
Kinematic Viscosity @ 40°C	ASTM D445	cSt	73
Kinematic Viscosity @ 100°C	ASTM D445	cSt	8.77
Viscosity Index	ASTM D2270	-	>95
Pour Point	ASTM D97	°C/°F	-9/ 16
Flash Point - open cup method	ASTM D92	°C/°F	226 / 439

Subject to usual manufacturing tolerances. The above figures are typical of those obtained with normal production tolerance and do not constitute a specification.