



## Magna Range

Lubricating Oil

### Description

Castrol Magna™ grades are a range of high quality additive-free oils possessing inherently good resistance to oxidation and good demulsification properties.

### Application

Castrol Magna lubricating oils are suitable for a variety of applications such as the lubrication of bearings, spindles and, using the heavier viscosity grades, moderately loaded gearboxes. They may also be used in vacuum pumps and hydraulic systems where an 'ISO HH' fluid type is required. Magna lubricating oils are available in a range of viscosities from 320 cSt for gear lubrication down to 2 cSt for use on fine clearance high speed spindles. The Magna range is fully compatible with nitrile, silicone and fluropolymer seal materials. Magna is classified as follows: ISO 6743/4 - Type HH

### Advantages

- Highly refined mineral oil makes the product suitable for applications where non-additivated oils can be used.
- Good quality mineral oil enables long service life.
- Low pour point provides trouble-free operation in cold conditions.

## Typical Characteristics

Name	Method	Units	2	10	15	22	32	46	68	100	150	220	320	460
Density @ 15°C / 59°F	ISO 12185 / ASTM D4052	kg/m <sup>3</sup>	820	870	870	870	870	880	880	890	890	890	890	900
Kinematic Viscosity @ 40°C / 104°F	ISO 3104 / ASTM D445	mm <sup>2</sup> /s	2	10	15	22	32	46	68	100	150	220	320	460
Kinematic Viscosity @ 100°C / 212°F	ISO 3104 / ASTM D445	mm <sup>2</sup> /s	-	2.55	3.4	3.9	5.3	6.6	8.6	11.1	14.5	18.7	24	31.2
Viscosity Index	ISO 2909 / ASTM D2270	-	-	-	-	102	102	102	102	97	97	97	96	96
Pour Point	ISO 3016 / ASTM D97	°C/°F	-39/ -38.2	-33/ -27.4	-24/ -11.2	-18/ -0.4	-12/ 10.4	-18/-0.4	-18/ -0.4	-18/ -0.4	-18/ -0.4	-15/5	-9/15.8	-3/26.6
Flash Point - closed cup method	ISO 2719 / ASTM D93	°C/°F	85/185	140/ 284	155/ 311	160/ 320	210/ 410	222/ 431.6	220/ 428	240/ 464	255/ 491	264/ 507.2	270/ 518	264/ 507.2

Subject to usual manufacturing tolerances.

Magna Range  
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