



## Magna™ CL Range

Gas compressor lubricant

### Description

The Castrol Magna™ CL Range 150 - 460 viscosity grades (previously called Castrol Cresta™ VA range) are formulated with high quality mineral base oils, with the addition of friction and lubricity modifiers to increase the film strength and reduce friction. Magna CL 150 - 460 grades are compounded oils suitable for cylinder lubrication in reciprocating type gas compressors dealing with “wet” petroleum gases.

Magna CL 1000 (previously called Cresta™ SHS) is formulated from selected base cylinder stocks to achieve the desirable characteristics of high flash point and oxidation stability. It possess good demulsibility, which means for the lubrication of the cylinders of high speed, totally enclosed steam engines, it does not materially reduce the demulsibility of the crankcase oil.

### Application

Magna CL 150- 460 grades are formulated for the cylinders and bearings of older type gas engines. It is blended with fatty agents (also termed “compounded”). The compounding agent provides improved load carrying properties and thus enables the oil to be used for other duties, particularly where higher loads occur or where moisture is present.

Magna CL 1000 is designed for lubrication of steam engine cylinders and valves. It is also suitable for other purposes, such as the lubrication of heavily loaded slow-moving bearings and gears. It is also suitable for condensing engines using high pressure steam up to 200psi and superheat up to 345°C/653°F.

Higher viscosity products from Magna CL range can also be used in worm gearboxes.

## Typical Characteristics

Name	Method	Units	Magna CL 150	Magna CL 220	Magna CL 320	Magna CL 460	Magna CL 1000
Appearance	Visual	-	Straw Viscous Liquid	Brown Viscous Liquid	Brown Viscous Liquid	Dark Viscous Liquid	Dark Brown Fluid
Flash Point - open cup method	ASTM D92 / ISO 2592	°C/°F	243 / 469	255 / 491	261 / 502	267 / 513	-
Flash Point - closed cup method	ASTM D93 / ISO 2719	°C/°F	-	-	-	-	260 / 500
Kinematic Viscosity at 40°C / 104°F	ASTM D445 / ISO 3104	mm <sup>2</sup> /s	150	220	320	460	1000
Kinematic Viscosity at 100°C/ 212°F	ASTM D445 / ISO 3104	mm <sup>2</sup> /s	13.6	17.7	23.2	28.7	44
Pour Point	ASTM 97/ISO 3016	°C/°F	-9 / 16	-9 / 16	-6 / 21	-3 / 27	-
Viscosity Index	ASTM D2270/ ISO 2909	-	83	86	86	88	80
Relative Density at 29.5°C	ASTM D1298/ ISO 3675	kg/m <sup>3</sup>	889	889	900	910	-
Density @ 20°C / 68°F		kg/m <sup>3</sup>	-	-	-	-	920

Subject to usual manufacturing tolerances.

**This product was previously called Cresta VA. The name was changed in 2015.**

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