



Product Data

Magna™ PG Range

Gas compressor lubricants

Description

Castrol Magna™ PG (previously called Cresta PG) is a range of polyalkylene glycol based compressor lubricants, formulated expressly to lubricate gas compressors. The ability to withstand dilution by dissolved hydrocarbons allows these lubricants to give excellent protection in oil-flooded screw compressors and in the cylinders of reciprocating compressors. The formulation provides better viscosity retention due to its high viscosity index and increased resistance to hydrocarbon dilution, compared to mineral and Polyalphaolefin variants. It contains additives to protect equipment from wear, rust & hydrogen sulphide corrosion.

To select the optimum viscosity variant, a number of factors need to be considered, including:

- The composition of the gas being compressed
- The operational expectations of the compressor
- The Original Equipment Manufacturer's (OEM's) viscosity requirements at the maximum temperatures for the lubricated components

Please consult your Castrol Technical service engineer with this information for assistance.

Application

Cylinder and Gland lubrication of reciprocating compressors.

Oil flooded rotary screw compressors.

Advantages

Magna PG compressor oils can provide the following key advantages compared to mineral and Polyalphaolephin (PAO) based lubricants:

- Viscosity retention.
- Longer compressor life because of improved film strength
- Reduced wear leading to increased operational reliability
- High viscosity index will contribute to improved lubrication and reduced wear, especially at elevated temperatures

Typical Characteristics

Name	Method	Units	PG 100	PG 150	PG 220
Density @ 20°C / 68°F	ASTM D4052 / ISO 12185	g/ml	1.036	1.038	1.06
Kinematic Viscosity @ 40°C	ASTM D445 / ISO 3104	mm ² /s	100.4	145.8	217
Kinematic Viscosity @ 100°C	ASTM D445 / ISO 3104	mm ² /s	20.0	23.5	39.4
Viscosity Index	ASTM D2270 / ISO 2909	-	200	228	235
Pour Point	ASTM D97 / ISO 3016	°C	-48	-45	-49
Flash Point, open cup method	ASTM D92 / ISO 2592	°C	210	257	232
Fire Point, open cup method	ASTM D 92/ ISO 2592	°C	237	279	279

The above figures are subject to usual manufacturing tolerances and do not constitute a specification.

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.

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

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Castrol (UK) Limited, PO BOX 352, Chertsey Road, Sunbury On Thames, Middlesex, TW16 9AW
Orders/Enquiries: 0345 9645111 Technical Enquiries: 0345 082 1719
www.castrol.com/industrial