



Cresta PG Range

Gas compressor lubricants

Description

The Castrol Cresta PG range of polyalkylene glycol based compressor lubricants are formulated expressly for the compression of hydrocarbon gases. The ability of these lubricants 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.

Cresta PG oils contain rust inhibitors, anti-wear and boundary lubrication additives to protect compressor components against corrosion and scuffing. In addition, Cresta PG lubricating oils are inhibited to provide further protection when hydrogen sulphide (H₂S) is present.

Viscosity is the most critical requirement when lubricating hydrocarbon gas compressors, to ensure that a lubricant film of sufficient thickness to resist mechanical forces and hydrocarbon dilution is present, even at compression temperatures. To select the optimum lubricant, we require details of the compressor operating conditions and a complete gas composition including the amount of each component present. Water, hydrogen sulfide (sour gas), asphaltenes or other trace contaminants, including possible solids, must be considered.

Application

- Oil flooded rotary screw compressors
- Cylinder lubrication of reciprocating compressors

Features and Benefits

Cresta PG compressor oils are available globally and combine excellent protection and long service to provide the following key benefits:

- Improved component life through reduced wear
- Protection against corrosion even when H₂S is present
- Long life because of low dilution with hydrocarbons
- Ready separation in oil flooded units
- Security of supply, wherever you operate

Technical Data

Name	Method	Units	Cresta PG 100	Cresta PG 150	Cresta PG 220	Cresta PG 320
Relative Density at 20°C	ASTM D1298	g/ml	1.04	1.05	1.06	1.07
Kinematic Viscosity at 40°C	ASTM D445	cSt	103.2	147.1	217	324
Kinematic Viscosity at 100°C	ASTM D445	cSt	18.5	27.7	39.4	55.6
Viscosity Index	ASTM D2270	ml	200	230	245	262
Flash Point (COC)	ASTM D92	°C	210	246	255	260
Fire Point (COC)		°C	237	273	278	288
Pour Point	ASTM D97	°C	-48	-42	-39	-33

The above figures are typical of those obtained with normal production tolerance and do not constitute a specification.

Care and Handling

Avoid prolonged or repeated contact with skin. Wash thoroughly after handling.

Packaging and 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 600C, exposed to hot sun or freezing conditions.

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