



Alpha™ SMR Heavy Clear

Open Gear Lubricant

Description

The Castrol Alpha™ SMR Heavy Clear (previously called Castrol SMR™ Heavy Clear) open gear is designed for use on heavily loaded open gears and brass journal bearings such as found in the sugar processing, mining, quarrying and rubber industries. Can also be used as a wire rope lubricant

Application

This grade is formulated for use in the sugar industry as bearing and open gear lubricants. The combination of additives includes extreme pressure additives to satisfy the vigorous lubrication demands of heavily loaded sugar mill roll bearings and open gears, as well as emulsifiers to resist the harmful effects of the contamination with sugar juices.

Alpha SMR Heavy Clear is recommended for use in the following applications:

- sugar mill roll bearing;
- heavily loaded open gears; and
- lubrication and protection of wire ropes.

Advantages

- Extended equipment life.
- Reduced inventory levels.
- The products impart high load carrying capabilities thereby reducing wear on contact surfaces.
- The products contain emulsifiers to resist the harmful effects of contamination with sugar juices.
- Wide range of viscosities is available ensuring the correct selection for application.
- Protection for wear and corrosion.
- Resists throw-off through excellent adhesive properties.

Typical Characteristics

Name	Method	Units	Alpha SMR Heavy Clear
Appearance	Visual	-	Red/Green
Density @ 20°C / 68°F	ISO 12185 / ASTM D4052	kg/m ³	914
Kinematic Viscosity @ 40°C / 104°F	ISO 3104 / ASTM D445	mm ² /s	1925
Kinematic Viscosity @ 100°C / 212°F	ISO 3104 / ASTM D445	mm ² /s	126.0
Viscosity Index	ISO 2909 / ASTM D2270	-	160
Pour Point	ISO 3016 / ASTM D97	°C/°F	-6/21.2
Flash Point, PMCC	ASTM D93	°C/°F	212/414

Subject to usual manufacturing tolerances.

This product was previously called SMR Heavy Clear. The name was changed in 2015.

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