



Alpha™ SMR Range

Open Gear Lubricants

Description

Castrol Alpha™ SMR range of open gears are 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

The combination of additives includes extreme pressure additives to satisfy the vigorous lubrication demands of heavily loaded mill roll bearings and open gears. Also to protect wire ropes during the extremes of service conditions, in such applications as the protection of hoist ropes where internal wear and lubricity are of prime concern, to the severe service conditions of drag ropes where protection from abrasive dirt is the major need. Also contain emulsifiers to resist the harmful effects of the contamination with sugar juices.

Recommended for use in the following applications:

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

Advantages

- 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.
- Protection for wear and corrosion.
- Resists throw-off through excellent adhesive properties.

Typical Characteristics

Name	Method	Units	SMR Medium	SMR Heavy X
Appearance	Visual	-	Black viscous oil	Black viscous oil
Density @ 20°C / 68°F	ISO 12185 / ASTM D4052	kg/m ³	949	987
Kinematic Viscosity @ 40°C / 104°F	ISO 3104 / ASTM D445	mm ² /s	1200	11,000
Kinematic Viscosity @ 100°C / 212°F	ISO 3104 / ASTM D445	mm ² /s	51	>165
Pour Point	ISO 3016 / ASTM D97	°C/°F	0/32	12/54
Flash Point, PMCC	ASTM D93	°C/°F	250/482	250/482

Subject to usual manufacturing tolerances.

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