

Alpha™ SMR Range

Open Gear Lubricants

Description

Castrol Alpha™ SMR Range of open gear lubricants is designed for the lubrication of bearings and open gears.

Application

These grades are 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. The Alpha SMR Range 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 are 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 Clear	Alpha SMR Medium	Alpha SMR Heavy X
Colour	Visual	-	Red/Green	Black/Opaque	Black/Opaque
Kinematic Viscosity @ 100°C	ASTM D 445	mm ² /s	130	50	200
Flash Point °C	ASTM D92	°C	190	192	246
Bitumen / Mineral Oil	ASTM D4052	g/ml	Mineral Oil	Bitumen	Bitumen
EP Additives	ASTM D93	-	Yes	Yes	Yes

Subject to usual manufacturing tolerances.

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 damage to drum markings. Products should not be stored above 60°C, exposed to hot sun or freezing condition

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

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