



## Alpha SMR NB Heavy

Slow Speed Mill Roll Bearing Oil

### Description

Castrol Alpha™ SMR NB Heavy is exclusively developed to meet the higher performance requirements of heavily loaded, slow speed mill roll bearings in sugar mills. This oil is blended from highly refined steam cylinder oil / heavy brightstock base oils incorporating special performance boosters, which ensure better load-carrying properties and imparts excellent film strength to prevent wear and corrosion of bearings under all operating conditions. The superior demulsification feature of the oil provides efficient lubrication of machine elements even in the presence of sugar cane juice. This product has excellent resistance to water washout due to its higher viscosity and special compounding agent.

### Application

Castrol Alpha SMR NB Heavy is recommended for the lubrication of sugar mill crusher and mill roll bearings. The product is generally applied by means of mechanical force-feed lubricators. They can also be used for slush pan lubrication of open gears and in centralized lubrication systems of slow speed spur gears.

### Advantages

Castrol Alpha SMR NB Heavy offers:

- Excellent protection against rust and corrosion even in presence of sugar cane juice.
- Excellent film strength reduces wear and increases bearing life.
- Outstanding lubrication to mill rolls thus improving extraction efficiency and lower mill temperatures.
- Superior resistance to film consistency due to superior adhesive properties.
- Suitable for a wide range of operating temperatures.
- Cleaner environment and reduced running costs.

## Typical Characteristics

Name	Method	Units	Alpha SMR NB Heavy
Density @ 29.5°C / 85.1°F	ISO 12185 / ASTM D4052	kg/m <sup>3</sup>	950
Kinematic Viscosity @ 100°C / 212°F	ISO 3104 / ASTM D445	mm <sup>2</sup> /s	60-70
Pour Point	ISO 3016 / ASTM D97	°C/°F	9 / 48
Flash Point - open cup method	ISO 2592 / ASTM D92	°C/°F	>225 / >437
Copper corrosion (3 hrs@100°C/212°F)	ISO 2160 / ASTM D130	Rating	1b
Four Ball Weld Load test - Weld Point	ASTM D2596	kgf	500

Subject to usual manufacturing tolerances.

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