



Alpha SMR NB

Slow Speed Mill Roll Bearing Oil

Description

Castrol Alpha™ SMR NB is exclusively developed to meet the requirements of heavily loaded, slow speed mill roll bearings in sugar mills. This oil is blended from highly refined steam cylinder oil/ brightstock and special compounding agents which ensure efficient lubrication of machine elements even in the presence of sugar cane juice. This oil provides excellent lubrication and prevents wear and corrosion of bearings under all operating conditions. This product has excellent resistance to water washout due to its higher viscosity and special compounding agent.

Application

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

Advantages

Castrol Alpha SMR NB offers:

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

Typical Characteristics

Name	Method	Units	Alpha SMR NB
Density @ 29.5°C / 85.1°F	ISO 12185 / ASTM D4052	kg/m ³	930
Kinematic Viscosity @ 100°C / 212°F	ISO 3104 / ASTM D445	mm ² /s	40 - 45
Flash Point - open cup method	ISO 2592 / ASTM D92	°C/°F	>220 / >428
Pour Point	ISO 3016 / ASTM D97	°C/°F	6 / 43
Timken OK Load test	ASTM D2782	kg/lbs	16 / 35
Copper corrosion (3 hrs@100°C/212°F)	ISO 2160 / ASTM D130	Rating	1a

Subject to usual manufacturing tolerances.