LUBRICANTS

POWER TO PERFORM

HP STEEL EP 100 PLUS

BEARING OILS FOR STEEL PLANTS

SPECIAL FEATURES

HP STEEL EP PLUS Grades are premium quality heavy duty bearing and circulating oil. They have high viscosity index with superior oxidation and thermal stability. They meet the requirement of high demulsibility, low foaming, excellent rust protection and good film strength property to minimise wear in roll-neck bearings of steel mills and no twist rod mills.

HP STEEL EP PLUS Grades are blended from high quality paraffinic base oils having a high chemical stability. The quality of the oil is further enhanced by the presence of selected grades of anti-oxidants, anti-rust, antiwear, demulsifier and defoamants. These oils are suitable for use in bearings under critical conditions of exposure to water at high pressure and extreme load conditions. These products have good wettability and high film strength providing extra rust protection and eliminate scuffing, wearing, scoring of the bearing.

SPECIFICATIONS

HP STEEL EP PLUS Grades exceed the requirements of bearing lubricant specified by Morgan Construction Co., USA. These oils meet the performance requirements of IS:6552-1987, IPSS:1-09-001-97, MORGOIL®– Lubricant Specification, Advanced Lubricant, SN 180, Part 4, Release Date – July, 2009 (Passes Dynamic Demulsibility test) And No Twist Rod Mill Specification MCC 40003.

APPLICATION AREA

These oils are suitable for use in High performance No Twist Rod Mills of Morgan and Danieli The oils are also recommended for those places where the bearings are under heavy load and in the presence of water.

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PHYSICO-CHEMICAL PROPERTIES

Appearance	Bright & Clear
Acidity, Inorganic, mg KOH/g	Nil
API Gravity	28
Colour	2.5
Air Release Value @ 50°C, Min	8.5
Air Release Value @ 75°C, Min	2.4
CCR, % Wt	0.11
Copper Strip, Corrosion, At 100°C For 3 Hours	1A
Density @ 15°C, g/cc	0.887
Emulsion Characteristics At 82°C, In 10 Minutes	40-40-0
Emulsion Characteristics D 2711, Free Water, ml	37
Flash Point, COC, °C	226
Pour Point, °C	-12
Foam Tendency/Stability, ml Sequence I Sequence II Sequence III	 Nil Nil Nil
FZG, Pass Load Stage	12
4 Ball Weld Load, kg	180
4 Ball WSD, 20 kg/1 Hr/54.4°C, 1800 rpm	0.24
Rusting Test, 24 Hrs With Synthetic Sea Water	Pass
Kin. Viscosity @ 40°C, cSt	93.2
Kin. Viscosity @ 100°C, cSt	10.7
Viscosity Index	98
RBOT, Minutes	230