



**LUBRICANTS™**

**POWER TO PERFORM™**

## **HP STEEL GRADES**

### **BEARING OILS FOR STEEL PLANTS**

#### **SPECIAL FEATURES**

HP STEEL 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.

HP STEEL 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, 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 and scoring of the bearing.

#### **SPECIFICATIONS**

HP STEEL Grades meet the requirements of bearing lubricant specified by MORGAN CONSTRUCTION CO., USA. These oils meet the performance requirements of IS:6552-1987 and IPSS:1-09-001-97.

#### **APPLICATION AREA**

These oils are suitable for use in the Morgan Bearings of Steel Mills. Morgan Bearings are used in the Plate Mill, Wire Rod Mill, Merchant Mill, Blooming and Billet Mill, and Rail & Structural Mill. The various viscometrix of HP STEEL Grades are available for these mills. The oils are also recommended for those places where the bearings are under heavy load & in the presence of water.

#### **PHYSICO-CHEMICAL PROPERTIES**

	HP STEEL		
	257	460	680
Viscosity at 40°C, cSt	245-270	440-485	645-715
Viscosity index, Min	95	95	95
Flash Point, °C, Min	226	270	270
Pour Point, °C, Max	-6	-6	-6
FZG, Failure Load Stage, Min	5	6	6
Emulsion Characteristics, @ 82°C, 20 Minutes, Max	40-37-3	40-37-3	40-37-3

**AUTHORISED CFA / ILD / LD**

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