

PRODUCT DATA SHEET

STEELMOL

Petromin **Steelmol** is high performance recirculation oil specifically made for the lubrication of backup roll bearings in metal rolling mills. This recirculation oil is developed to cater to versatile lubrication requirement of MORGOIL rolling mill bearings and MORGAN 'Super Demulsibility' Advanced lubrication specification. They are designed to have appropriate viscosity/ temperature characteristics, low foaming and excellent antiwear properties.

BENEFITS

- Excellent thermo-oxidative stability
- Excellent water-separating properties, thus avoid formation of emulsion in circulating system
- Protects against rust and corrosion
- Good foam resistance
- Enhanced equipment protection and equipment life

Performance Level (Meeting)

SMS SIEMAG-MORGOIL Lubricant Specification Advances Lubricant SN 180-Part 4.2009-07.

Passes the Dynamic Demulsibility test (DDE) conducted By CLARK lab USA> DIN 5157-2 : 2009-06

APPLICATIONS

Petromin **Steelmol** can be used in variety of Industry for most plain and rolling element bearings, Roll-neck bearing, general industrial applications and backup roll bearing in hot and cold rolling mills. It also has capability to be used in enclosed industrial gear system with low & moderate loaded enclosed gears, where a significant EP characteristic is not required. It's having an advance performance where, in circulating system where water contamination is severe & pose a problem. It has ability to optimize the lubrication of the wet and dry ends of paper machines

PRODUCT CHARACTERISTICS*

PROPERTIES	UNITS	VALUE			TEST METHOD
ISO Grade	-	150	220	320	DIN 51511
Specific Gravity @ 15 °C	-	0.894	0.898	0.902	ASTM D-4052
Viscosity @ 40 °C	mm ² /s	149.1	221.1	321.5	ASTM D-445
@ 100 °C	mm ² /s	14.6	19.1	23.8	ASTM D-445
Viscosity Index	-	97	97	95	ASTM D-2270
Flash Point, COC	°C	274	284	288	ASTM D-92
Pour Point	°C	-9	-9	-6	ASTM D-97
Color	-	L 2.5	L 3.0	3.0	ASTM D-1500
Emulsion test (minutes)	minutes	15	20	25	ASTM D-1401
Copper Corrosion		1a	1a	1a	ASTM D-130
Rust Test		Pass	Pass	Pass	ASTM D-665
Foam Test (Seq I)	ml/minutes	10/0	10/0	15/0	ASTM D-892

*The information and figures given here are typical of current production and conform to specification, minor variations may occur.

