

PRODUCT DATA SHEET

SERVOSTEEL EP 220 PLUS



DESCRIPTION

Servosteel EP 220 Plus is an extra duty circulating oils, developed specially for the lubrication of bearings and the gear boxes of "NO TWIST WIRE ROD" Mill of steel plants. This oil has been formulated with a unique chemistry of ashless additives and Group II base oils, making this oil excellently demulsifiable when compared to conventional ash containing bearing oils available commercially.

APPLICATION

Servosteel EP 220 is recommended for application of bearing block of Morgan, ASHLOW, bragard shammers, SMS Demag and Danielly, equipments which are offering systems for "NO TWIST" rod mills. This oil is also suitable for low to high speed gearing (10,000 ft per minute) and even for new mills design of 15,000 ft per minute, heavily loaded Shafts, bearing and housings.

PERFORMANCE BENEFITS

Servosteel EP 220 Plus -

- ❖ Provide Optimum viscosity at operating temperatures
- ❖ Posses good protection against rust and corrosion
- ❖ Provide high oxidation resistance and stability.
- ❖ Has excellent water separation characteristics
- ❖ Has good load bearing capacity to take care gear train lubrication.
- ❖ Additionally providing superior anti-wear characteristics.

PERFORMANCE STANDARDS / MANUFACTURERS APPROVAL

- ❖ It meets the Morgan Specification Limits March 2002.

CHARACTERISTICS

GRADE	220
Kinematic Viscosity, cSt @ 40°C	147 - 153
Kinematic Viscosity, cSt @ 100°C	14.6
Viscosity Index, Min	95
Flash Point (COC), °C Min.	230
Pour Point, °C Max.	(-) 6
Demulsibility @ 82°C in mins.	40 - 37 - 30 (20 Max)
FZG rating	11 th (Pass)

HEALTH & SAFETY

These oils are unlikely to present any significant health or safety hazard when properly used in the recommended application and good standards of industrial and personal hygiene are maintained.

For further information please contact our nearest office OR:

Technical Services Dept., Indian Oil Corporation Ltd., G-9, Ali Yavar Jung Marg, Bandra (East), Mumbai - 400 051

E-Mail: servotechserv@indianoil.in **OR** servots@indianoil.in

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SERVO®

GRADE	320	460	680
Kinematic Viscosity, cSt @ 40°C	305- 335	440 – 480	650 – 700
Kinematic Viscosity, cSt @ 100°C	23.0	29.1	35.6
Viscosity Index, Min	90	90	85
Flash Point (COC), °C Min.	250	262	240
Pour Point, °C Max.	(-) 6	(-) 6	(-) 6
Demulsibility @ 82°C, max 40-37-3 (20)	Pass	Pass	Pass
% water in oil after centrifuging	4.8	4.8	4.8
% oil in water after centrifugion	NIL	NIL	NIL
Demulsibility @ 82°C in mins., Max.	40-37-3(10)	40 – 37 –3 (20)	40 – 37 –3 (20)

May-20

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