

# PRODUCT DATA SHEET

## SERVOMESH XP



### DESCRIPTION

Servomesh XP oils are advanced extreme pressure type industrial gear lubricants specially formulated for today's gear boxes to protect against micropitting. These oils demonstrate improved shock loading, thermal stability and oxidation resistance over conventional gear oils. They have good demulsibility characteristics, low foaming tendency and provide rust and corrosion protection to metal surfaces.

### APPLICATION

Servomesh XP oils are specially recommended for applications where higher load bearing characteristics are required and which may be subjected to micropitting i.e. heavily loaded industrial gear boxes including planetary gear boxes. Servomesh XP oils are also recommended for gear sets working under heavy or shock load conditions. Oil is also ideally suitable for applications where foaming is a problem.

### PERFORMANCE BENEFITS

- Improved protection from micropitting fatigue.
- Extended component life; reduced wear
- Minimise the formation of sludge and deposits, even at high bulk oil temperatures
- Reduced tendency to foam
- Provide higher load carrying ability
- Ensure long service life.
- Ensure ready separation from water due to good demulsibility property
- Protect metals against rust and corrosion

### PERFORMANCE STANDARDS

- AGMA 9005 E-02
- US Steel requirement No.224
- DIN 51517 CLP
- David Brown S1.53.101
- Cincinnati Milacron, USA
- SEB 181 - 226

### CHARACTERISTICS

| ISO VG                    | 68                    | 100                   | 150                   | 220                   | 320                   | 460                   |
|---------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| Kin. Viscosity cSt @ 40°C | 64.7 – 71.3           | 96 -104               | 147 – 153             | 212 -228              | 320 -350              | 420 -500              |
| Viscosity Index, Min      | 90                    | 90                    | 90                    | 90                    | 100                   | 95                    |
| Flash Point (COC), °C Min | 204                   | 204                   | 204                   | 232                   | 260                   | 260                   |
| Pour Point, °C Max.       | (-)12                 | (-)12                 | (-)9                  | (-)9                  | (-)12                 | (-)12                 |
| FZG Rating, Load Stage    | 14 <sup>th</sup> Pass | 14 <sup>th</sup> Pass | 14 <sup>th</sup> Pass | 14 <sup>th</sup> Pass | 14 <sup>th</sup> Pass | 14 <sup>th</sup> Pass |
| Timken OK load test, lbs  | 65                    | 65                    | 65                    | 70                    | 70                    | 70                    |

### 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