

# SERVO<sup>®</sup> PRODUCT DATA SHEET

## SERVOSYSTEM HLP

IndianOil

GRADES AVAILABLE – SERVOSYSTEM HLP 22, 32, 46, 68, 100, 150

### DESCRIPTION

Servosystem HLP oils are high performance hydraulic oils. These oils provide superior antiwear protection, excellent oxidation and thermal stability, outstanding hydraulic stability and good demulsibility. Servosystem HLP oils also possess superior filterability characteristics. These oils provide problem free service and have been found to be far superior in performance compared to other commercially available anti-wear, heavy duty hydraulic oils.

### APPLICATION

Servosystem HLP oils are recommended as a fluid media in hydraulic systems, operating under extremely severe conditions. These oils are recommended for sophisticated high performance electro-hydraulic or numerically controlled systems. Servosystem HLP oils are also recommended for lubrication of screw compressors requiring oil of excellent thermal stability and low CCR value. These oils are not suitable where the components are of silver or silver coated.

### PERFORMANCE BENEFITS

Servosystem HLP oils

- # ensure long service life due to outstanding oxidation and thermal stability.
- # provide sludge free high temperature performance.
- # provide excellent filterability characteristics.
- # readily separate from water because of excellent demulsibility characteristics.
- # provide superior long term protection against rust and corrosion.
- # Ensure overall problem free performance.

### PERFORMANCE STANDARDS

Servosystem HLP oils are formulated to meet the following specifications :

- # DIN 51524 Part 2
  - # DENISON HF-O
  - # US STEEL 127
  - # IS : 11656-1986 (Reaffirmed 1991)
  - # IS:10522-1983(Reaffirmed 1993)
  - # ATLAS COPCO R8 & R9, HOESCH HLP
- Servosystem HLP oils are recommended by the leading equipment manufacturers such as :
- # Atlas Copco (India) Ltd.

### CHARACTERISTICS

ISO VG GRADE	22	32	46	68	100	150
Kinematic Viscosity @ 40°C, cSt	20-24	29-33	43-48	64-72	95-105	145 – 155
Viscosity Index, Min	100	100	98	95	95	90
Flash Point(COC), °C, Min	160	200	200	210	210	230
Pour Point, °C, Max	(-)21	(-)21	(-)15	(-)12	(-)12	(-)6
Emulsion Test D-1401, 40-37-3, Minutes, Max	20	20	20	25	25	30
FZG, Rating Stage, Failure	-	10	10	10	10	11

### 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:

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