

# PRODUCT DATA SHEET

## SERVOSYSTEM HFB 68



### DESCRIPTION

Servosystem HFB 68 is Invert Emulsion (Water- in-Oil) Type Fire Resistant Hydraulic Fluid specially developed for lubrication mining equipment like Side Discharge Loader (SDL) and Load Haul Pack (LHD). Invert Emulsion have found wide spread use due to their good performance in most types of pumps and also because they are generally compatible with seals, metals and other components found in Hydraulic System.

### APPLICATION

Fire Resistant Hydraulic Fluid recommended as fluid media for hydraulic systems and hydraulic pumps even under severe operating conditions in Mining equipment for Hydraulic Pumps and Hydraulic Motors of SDL & LHD Machine. Water-in-oil emulsion (Invert emulsion) consists of about 40% water dispersed in fine droplets in a continuous oil phase. The water imparts fire resistance, whilst the oil face provides lubrication properties. The working temperature for this type of fluids is 5 to 60°C.

### PERFORMANCE BENEFITS

- Provide Fire Resistance due to presence of water in emulsion.
- Provide Lubrication due to presence of oil in emulsion.
- It is compatible to seals, metals and other component of Hydraulic Equipments.
- Have excellent resistance to oxidation thereby giving long service life

### PERFORMANCE STANDARDS

- IS: 10532(Part 2) – 1983 (Reaffirmed 1998)
- Approval obtained from Director General of Mines & Safety, Dhanbad
- National Coal Board Specification No. 570/1970, UK
- Meets Vickers Vane Pump Wear Test
- It passes Auto Ignition & Flame Propagation Test.

### CHARACTERISTICS

GRADE	HFB 68
Appearance @ 25/30°C	Milky Emulsion
Kinematic Viscosity, cSt @ 40°C	63-73
Water Content % Vol.	40 - 43
Foam Test @ 24°C ml (IS: 1448 P: 67)	Nil
Rust Test, (D-665 A.)	Pass
Fire Resistant property (IS:7895-1975 Test A,B,C)	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:

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