



**HYDRAULIC (HVI) OIL  
MOTOROL HYDROX**



**Introduction:**

Motorol Hydrox grades are blended from good quality base oils and fortified with antioxidant and anti rust additives which gives long life trouble free service. These anti-wear hydraulic grades have very high viscosity index, low pour point and also have defoamer additive which prevent build up of foam in hydraulic systems.

**Applications:**

- ◆ Recommended as a fluid media where very low temperatures are encountered in all type of hydraulic systems.
- ◆ Recommended for heavy vehicles like excavators and other earth moving equipment.
- ◆ Recommended for Tata Hitachi Excavators (46), L&T Komatsu Excavators (68), L&T Poclairn Excavators (100) and Demag Excavators(100)

**Advantages:**

- ◆ Excellent Shear Stability to maintain viscosity for longer periods
- ◆ Extended service life of moving parts by guarding against wear
- ◆ Works at low and high temperatures due to its high viscosity index and low pour point
- ◆ Reduce foaming tendency
- ◆ Provides protection against rust, corrosion and oxidation

**Performance Standard:**

Proprietary Grade

**Typical Specifications:**

| Sr. No. | Characteristics                   | Test Methods | 32           | 46           | 68           | 100          |
|---------|-----------------------------------|--------------|--------------|--------------|--------------|--------------|
| 1       | Appearance                        | Visual       | Clear Liquid | Clear Liquid | Clear Liquid | Clear Liquid |
| 2       | Colour, Max                       | ASTM D 1500  | 1.5          | 1.5          | 2.0          | 2.0          |
| 3       | Kinematic Viscosity at 40 °C ,cSt | ASTM D 445   | 29-35        | 41-50        | 61-75        | 90-110       |
| 4       | Viscosity Index , Min             | ASTM D 2270  | 150          | 150          | 140          | 130          |
| 5       | Flash point, °C Min               | ASTM D 92    | 170          | 190          | 200          | 210          |
| 6       | Pour point, °C Max                | ASTM D 97    | -39          | -36          | -33          | -30          |
| 7       | Copper Corrosion at 100°C         | ASTM D 130   | 1A           | 1A           | 1A           | 1A           |

**Environment, Health & Safety:**

Every care has been taken to ensure the accuracy of the information in this PDS. This however may be affected by subsequent improvement in product (R&D). MSDS is available for all MOTOROL products on request.

MOTOROL products are unlikely to present any health and safety hazard with proper use for the correct application and maintain proper personal hygiene. Do not Spill oils on the shop floor, discharge into drains ,ground or water sources.