



# **AVALON 46**

## **ISO VG 46**

### **PREMIUM HEAVY DUTY**

### **ANTI-WEAR HYDRAULIC OIL**

## **TECHNICAL DATA SHEET**

### **Product Description**

Veedol AVALON 46 is a premium heavy duty anti-wear hydraulic oil with ISO VG 46 viscosity. Blended from premium quality virgin base oils and fortified with anti-wear, anti-oxidant, anti-rust and anti-foam additives. It also possesses high VI and maintains a good lubrication over wide range of temperature range.

### **Performance Benefits:**

- Ensure long service life due to outstanding oxidation and thermal stability
- Retains high lubricity at elevated temperature even under heavy duty conditions
- Provides excellent filterability characteristics
- Readily separates from water because of excellent demulsibility characteristics
- Provides superior long term protection against rust and corrosion

### **Applications:**

Recommended for use in wide range of hydraulic power applications found in manufacturing and industrial environments. It can also be used effectively in mobile hydraulic power applications such as excavators and cranes, except where significant ambient temperature variations are encountered.

### **Performance Standards:**

It conforms to the following specifications:

- ISO 11158 Category HM
- DENISON HF-0, HF-1 & HF-2 (T6H20C)
- EATON M-2950-S
- CINCINNATI MILACRON P70
- JCMAS P041 HK HYDRAULIC SPECIFICATION

Properties mentioned above are typical only and minor variations, which do not affect the product performances, are to be expected in normal manufacturing.

#### **VEEDOL INTERNATIONAL DMCC**

Unit No. 601 | Indigo Icon | Plot No. F3 | Jumeirah Lakes Towers  
P.O. Box No. 117019 | Dubai | United Arab Emirates  
Tel: +971-4-3688416 | Fax: +971-4 3688418 | E-mail : enquiry@veedol.ae  
www.veedol.ae

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## Typical Properties:

Test Parameters	ASTM Method	Typical Values
Density @ 15°C, Kg/L	D 4052	0.882
Kinematic Viscosity, @ 40°C, cSt	D 445	46.0
Viscosity Index	D 2270	98
Flash Point °C	D 92	220
Pour Point, °C	D 97	-27
Foaming Tendency/Stability	D 892	
Seq I, ml/ml		0/0
Seq II, ml/ml		10/0
Seq III, ml/ml		0/0
Rust Test 24 hrs, (Synthetic Sea Water)	D 665B	Pass
Water Separability @ 54 °C, Mins	D 1401	15
Air Release Value, Mins	D 3427	8

## Compatibility:

Veedol Avalon HLP 46 is suitable for use in most hydraulic pumps. It is compatible with seal materials and paints normally specified for use with mineral oils.

## Health and Safety:

Veedol Avalon HLP 46 is unlikely to present any significant health or safety hazard when properly used in the recommended application and good standards of personal hygiene are maintained. Avoid contact with skin, use impervious gloves while handling used oil. After skin contact, wash immediately with soap and water. Guidance on Health and safety is available on the appropriate Material Safety data Sheet.

## Protect the Environment:

Take used oil to an authorized collection point. Do not discharge into drains, soil or water.

## Storage:

All packages should be stored under cover. Where outside storage is unavoidable drums should be laid horizontally to avoid the possible ingress of water and damage to drum markings. Product should not be stored above 60 °C, exposed to hot sun or freezing condition.

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