

# Hi-Tech HYDROTEL HLP SERIES

## 10/32/46/68/100/150/220/320/460 Anti-Wear ZDDP Hydraulic Oil

### Introduction

**Generation Four Engitech Ltd., Hi-Tech Solution** is 12 years old company standing at second largest company as Importing / Manufacturing and selling of specialized thermic fluid in India. We have our network all over INDIA and also having sales & service points in many countries registered under SAFTA . We serve friendly services to our more than 6000 customers with our world class products. We have a huge list of branded customers with few from India's fortune 500 companies.

### Product Description

**Hi-Tech Hydrotel HLP Series** is made from highly refined virgin Group II base oils, and is treated with the most advanced additives. The term "HLP Series" is composed of code letters of the hydraulic fluid, which are defined in DIN 51524-2. HLP Series hydraulic oils has anti-ageing and anti-corrosion additives as well as active agents for reducing friction and wear.

### Features & Benifits

- High purity & cleanness of oil.
- Superior hydraulic stability.
- Excellent oxidation resistance and thermal stability for long service life.
- Protects against sludge and varnish formation.
- Protects against rust and corrosion.
- Excellent water-separating properties.
- Good foam resistance.
- Very good demulsifying ability and good water settling ability.
- Good compatibility with the usual sealing and coating materials.
- High viscosity Index and shear stability.



Performance Specifications / Approvals - DIN 51524 PART 1 AND 2 DENISON HF-0

### Typical Properties

Hi-Tech Hydrotel HLP Series	10	15	22	32	46	68
Viscosity, ASTM D 445, cSt @ 40 °C	10	15	22	32	46	68
Colour ASTM D 1500	L 0.5	L 0.5	L 0.5	L 0.5	L 0.5	L 0.5
Viscosity Index, ASTM D 2270	90	97	110	118	120	121
Copper Strip Corrosion, 24 hrs @ 100 °C	1a	1a	1a	1a	1a	1a
Flash Point, ASTM D 92, °C	149	155	195	218	220	220
Pour Point, °C	-22	-22	-20	-18	-18	-17
Total Acid Number, mg KOH/g, ASTM D 974	0.01	0.01	0.01	0.01	0.01	0.01

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## Application

- Mobile and static hydraulic applications.
- Hydraulic cranes and lifts, loaders, reach trucks, forklifts, excavators, dumpers, loading ramps and tail boards.
- Hydraulic systems of metalworking machines or circulation systems of industrial machinery.

## Function of Hydraulic Oil

- To transmit power from one point to another.
- To lubricate moving parts.
- To cool or dissipate heat.
- Cushioning of oscillations caused by pressure jerks.
- Corrosion protection.
- Scuff removal.

## Storage & Handling

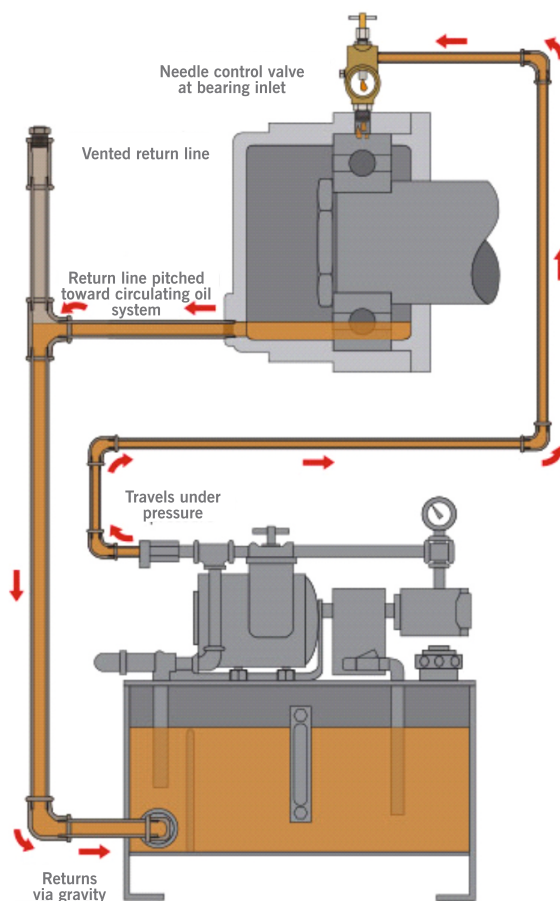
The product should be stored inside. Keep it properly sealed to avoid contamination. Avoid freezing. Shelf life is 8 yrs. under protected storage conditions.

## Health & Safety

They are unlikely to be hazardous when properly used in recommended applications. Contamination of the oil from other oils, greases, chemicals, dirty water etc. can occur during the use. It should be avoided. Regular monitoring of the in-use product is recommended.

## Typical Properties

Hi-Tech Hydrotel HLP Series	100	150	220	320	460
Viscosity, ASTM D 445, cSt @ 40 °C	100	150	220	320	460
Colour ASTM D 1500	L 0.5	L 0.5	L 0.5	L 0.5	L 0.5
Viscosity Index, ASTM D 2270	121	121	122	122	122
Copper Strip Corrosion, 24 hrs @ 100 °C	1a	1a	1a	1a	1a
Flash Point, ASTM D 92, °C	220	220	220	220	220
Pour Point, °C	-15	-14	-14	-11	-11
Total Acid Number, mg KOH/g, ASTM D 974	0.01	0.01	0.01	0.01	0.01



Oil Circulation System for Industrial Machine

Available in pack size – 5, 20, 26, 50, 210, 1000 Ltrs