

# HYDRO TECH HVI-E SERIES

## Synthetic Hydraulic System Oil

### Description

Petrol Ofisi Hydro Tech HVI-E Series is the hydraulic system oils with high viscosity index with the addition of additives regulating the friction and preventing abrasion, oxidation, rust and foam to the synthetic base oils.

### Applications

This is recommended for plastic injection and rolling machines, construction equipment, presses, moving construction equipment, air compressors and all industrial and moving hydraulic systems and the hydraulic systems of the vessels. It may be used for equipment with high difference between the ambient temperature and the working temperature.

### Benefits

- Ensures saving at the rate of 6-8% in the pump energy consumption thanks to the special formula.
- Used in very different climate conditions thanks to the high viscosity indexes.
- Used in hydraulic systems working at very high pressures and temperatures for a long time thanks to the high thermal stabilities.
- Extends the period of oil change and reduces the oil consumption.
- Prevent abrasion at low temperatures thanks to low yield point and high viscosity index.
- Reduces the operation and maintenance costs.
- Oxidation resistance is perfect and the service periods are long.

### Performance

Bosch 90220, Cincinnati P 68, P 69, DIN 51524 Part III (HVL), Eaton M-2950 S/I-286 S3, ISO 20763 Conestoga Vane Pump Tests, JCMAS P041 HK, Parker HF-0, HF-1

### Typical Specifications\*

|                                       |            |       |       |
|---------------------------------------|------------|-------|-------|
| ISO Viscosity Grade                   |            | 32    | 46    |
| Density, 15 °C, kg/liter              | ASTM D4052 | 0,840 | 0,850 |
| Flash Point COC, °C                   | ASTM D92   | 220   | 240   |
| Viscosity, 40 °C, mm <sup>2</sup> /s  | ASTM D445  | 32    | 46    |
| Viscosity, 100 °C, mm <sup>2</sup> /s |            | 6,70  | 8,70  |
| Viscosity Index                       | ASTM D2270 | 177   | 171   |
| Pour Point, °C                        | ASTM D97   | -39   | -39   |

\* Values shown may differ between productions.

