

# HYDRO TECH HVI SERIES

## High Performance and High Viscosity Index Hydraulic System Oils

### Description

High performance and high viscosity index. Hydraulic system oil produced with parafinic base oils and additives.

### Applications

It is recommended for all industrial non-stationary hydraulic and vessel hydraulic systems.

Among its special industrial applications include construction machines, pressing machine, moveable construction equipment, plastic injection and air compressor.

### Benefits

- Ease of operation for the equipments working in severe climatic conditions due to high VI additives.
- Decreases hydraulic system breakdown and reduces the maintenance costs.
- Provides high operating performance for hydraulic systems operating under high pressures and temperatures, due to its high thermal stability.
- Promotes service life and trouble-free operation of hydraulic system such as servo-valves, etc.
- Prevents cavitation with high air release properties.
- Ensures ease of operation during cold start-up.
- Ensures system cleanness due to its dispersant properties.
- Has excellent water separability characteristic.
- Extends uninterrupted operation duration, increases the system efficiency.
- Has high cleanness level due to production by special filtration process.

### Performance

Bosch 90220, Cincinnati P 68, 69, 70, DIN 51524 Part III (HVLP), Eaton M-2950 S/I-286 S3, ISO 20763 Conestoga Vane Pump Tests, JCMAS P041 HK, Parker HF-0, HF-1, HF-2 (approval)

### Typical Specifications\*

| ISO Viscosity Grade                   |            | 15    | 32    | 46    | 68    | 100   |
|---------------------------------------|------------|-------|-------|-------|-------|-------|
| Density, 15 °C, kg/liter              | ASTM D4052 | 0,851 | 0,872 | 0,876 | 0,878 | 0,884 |
| Flash Point, COC, °C                  | ASTM D92   | 150   | 208   | 214   | 216   | 240   |
| Viscosity, 40 °C, mm <sup>2</sup> /s  | ASTM D445  | 15    | 32    | 46    | 68    | 100   |
| Viscosity, 100 °C, mm <sup>2</sup> /s |            | 4,17  | 6,60  | 8,75  | 11,80 | 15,60 |
| Viscosity Index                       | ASTM D2270 | 200   | 168   | 173   | 171   | 166   |
| Pour Point, °C                        | ASTM D97   | -42   | -39   | -39   | -36   | -33   |

\* Values shown may differ between productions.

