# PRODUCT DATA SHEET
# HYDROTEC HYDRAULIC OIL

## Product Description

Chosen Hydrotec Hydraulic Oil has been specially formulated to provide good anti-wear and thermal stability performance using the very latest additive technology. The careful blend of additives with a high quality base stock ensures that Chosen Hydrotec Hydraulic Oil has excellent hydrolytic and oxidative stability while exhibiting a minimal tendency to produce sludge and deposits. In addition, Chosen Hydrotec Hydraulic Oil provides corrosion protection to ferrous and yellow metal components found within a hydraulic system.

This range is designed for use in industrial hydraulic systems which require anti-wear protection. Also suitable for other duties in which lubricants of high oxidation stability and lubrication performance are required, such as lightly loaded gears, variable speed units and bearings.

The Chosen Hydrotec Hydraulic Oil range is fully compatible with elastomer materials commonly used for static and dynamic seals, such as nitrile, silicone and fluorinated (e.g. Viton) polymers.

## Applications / Benefits:

- Low zinc antiwear
- Protects against rust and corrosion
- Resists foaming
- Economical

## Typical Characteristics

| Test Description | Method | 22 | 32 | 46 | 68 |
|---|---|---|---|---|---|
| SAE Viscosity Grade | SAE J 300 | | | | |
| ISO Viscosity Grade | - | | | | |
| Specific Gravity @ 15 °C | ASTM D 4052 | 0.866 | 0.865 | 0.870 | 0.872 |
| Flash Point, °C | ASTM D 92 | 198 | 210 | 220 | 222 |
| Pour Point , °C | ASTM D 97 | -36 | -33 | -30 | -27 |
| Kinematic Viscosity, cSt @ 40°C | ASTM D 445 | 22.4 | 31.5 | 46.4 | 68.5 |
| Kinematic Viscosity,cSt @ 100°C | ASTM D 445 | 4.38 | 5.4 | 6.85 | 8.78 |
| Viscosity Index | ASTM D 2270 | 103 | 105 | 102 | 100 |
| Color | ASTM D 1500 | < 0.5 | < 0.5 | < 0.5 | < 0.5 |

## Specifications, Approvals & Recommendations

- DIN 51524 Part I
- DIN 51524 Part II
- Eaton Brochure 03-401-2010
- Fives Cincinnati P-68
- Fives Cincinnati P-69
- Fives Cincinnati P-70
- FZG Gear Wear (ISO 14635-1) at 10 Stage level
- ISO 11158 HL & HM
- Parker Denison HF-0
- Parker Denison HF-1
- Parker Denison HF-2
- Parker Denison T6H20C Hybrid Pump