

# ZEITH HiPower Hyd 37 HVI SERIES

High Viscosity Index Anti-wear Hydraulic fluids



## Product Data Sheet

### Product Description

ZEITH HiPower Hyd 37 HVI range of lubricants are high viscosity index anti-wear hydraulic fluids formulated with high quality HVI base stocks and advanced anti-wear additive technology. They are designed to work efficiently in hydraulic & fluid power transmission systems, subjected to wide temperature ranges operating under severe conditions. These oils are available in ISO viscosity grades from 37 to 150.

### Features & Benefits

- Very high viscosity index and excellent shear stability, ensures long pump life under extreme conditions.
- Outstanding thermal & oxidation stability helps in extending life of oil and filter.
- Outstanding demulsibility aids in rapid water separation and provides excellent hydrolytic stability.
- Excellent anti-wear property of oil provides maximum equipment life, under severe duty & high loads.
- Excellent protection from rust and corrosion of multi-metallurgy system components.
- Good anti-foam and air release characteristics, designed by using silicon free additive components

### Specifications

**ZEITH HiPower Hyd 37 HVI series meets or exceeds following International and Builder specifications:**

- DIN 51524 Part 3 HVLP type
- Denison HF-0, HF-2 (T6H20C)
- Cincinnati Machine P68, P69, P70
- AFNOR NF E 48-603 HV
- ISO 6743/4 HV
- VICKERS M-2950S, -I-286
- VICKERS 35VQ25, 104C

### Application

These HVI oils are designed for use in Hydraulic applications subjected to wide temperature variations.

- Passenger cars, SUVs, light trucks and vans.
- Suitable for all types of modern vehicles, including high-performance turbo-charged, supercharged gasoline & diesel multi-valve fuel injected engines
- Excluded service includes - commercial and racing applications, frequent towing or hauling, extremely dusty or dirty conditions or excessive idling.

### Typical Characteristics

| ZEITH HiPower HydHVI        | Test Method | Units | 22    | 32    | 37    | 46    | 68    | 100   | 150   |
|-----------------------------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|
| ISO Viscosity Grade         | ISO 3448    | -     | 22    | 32    | 37    | 46    | 68    | 100   | 150   |
| Density @ 15 °C             | ASTM D 4052 | gm/cc | 0.864 | 0.870 | 0.870 | 0.878 | 0.880 | 0.887 | 0.894 |
| Viscosity @ 40 °C           | ASTM D 445  | cSt   | 22.9  | 32.4  | 37.2  | 46.8  | 68.9  | 100.8 | 150.2 |
| Viscosity @ 100 °C          | ASTM D 445  | cSt   | 5.12  | 6.46  | 7.21  | 8.41  | 11.27 | 13.21 | 16.85 |
| Viscosity Index             | ASTM D 3770 | -     | 160   | 156   | 160   | 156   | 156   | 128   | 120   |
| Pour Point                  | ASTM D 97   | °C    | -39   | -39   | -39   | -39   | -36   | -33   | -33   |
| Flash Point (COC)           | ASTM D 92   | °C    | 204   | 224   | 224   | 230   | 234   | 246   | 252   |
| Copper Strip Corrosion      | ASTM D 130  | -     | 1A    | 1A    | 1A    | 1A    | 1A    | 1A    | 1A    |
| Rust Characteristics Proc B | ASTM D 665  | -     | Pass  | Pass  | Pass  | Pass  | Pass  | Pass  | Pass  |
| Foam Seq I,II,III           | ASTM D 892  | ml/ml | 10/0  | 10/0  | 10/0  | 10/0  | 10/0  | 10/0  | 10/0  |
| Demulsibility, 40/40/0      | ASTM D 1401 | min   | 5     | 5     | 5     | 10    | 10    | 15    | 15    |
| TAN, mg KOH/g               | ASTM D 2896 | -     | 0.4   | 0.4   | 0.4   | 0.4   | 0.4   | 0.4   | 0.4   |

*The above figures are typical of blends with normal production tolerance and do not constitute a specification.*