



## LUBENZ HOXX PLUS HYDRAULIC OIL HVI ZF series

High Viscosity Index, Zinc Free Ashless Anti-Wear Hydraulic fluids

### Product Data Sheet

#### Product Description

LUBENZ HOXX PLUS HYDRAULIC OIL HVI ZF range of lubricants are high viscosity index Zinc Free Ashless anti-wear hydraulic fluids formulated with high quality HVI base stocks and advanced very low ash 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 15 to 150. Moreover, they are also designed to work in systems where high hydrolytic stability is required, even in presence of high moisture content in hydraulic systems.

#### Features & Benefits

- Very high viscosity index and excellent shear stability, ensures long pump life under extreme conditions.
- Excellent demulsibility property of oil protects hydraulic systems from small quantities of moisture and also separates readily from larger quantities of water.
- Excellent anti-wear properties and outstanding film strength provides exceptional equipment protection, that not only results in fewer breakdowns but also helps improve production efficiency.
- Excellent protection from rust and corrosion of multi-metallurgy system components, especially in Hydraulic systems with Silver (Ag) components.
- Good anti-foam and air release characteristics, designed by using silicon free additive components.

#### Specifications

**LUBENZ HOXX PLUS HYDRAULIC OIL HVI ZF 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
- ISO 6743/4 HV
- VICKERS M-2950S, -I-286
- VICKERS 35VQ25, 104C

#### Application

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

- Suitable for use in hydraulics of Marine, Industrial & Earth moving; where temperatures vary seasonally.
- Applications where HVI anti-wear lubricant is required: servicing gears & bearings, air compressors etc.,

#### Typical Characteristics

| LUBENZ HOXX PLUS HYDRAULIC OIL HVI ZF | Test Method | Units | 22   | 32    | 46    | 68    |
|---------------------------------------|-------------|-------|------|-------|-------|-------|
| ISO Viscosity Grade                   | ISO 3448    | -     | 22   | 32    | 46    | 68    |
| Density @ 15 °C                       | ASTM D 4052 | gm/cc | 0.86 | 0.870 | 0.870 | 0.875 |
| Viscosity @ 40 °C                     | ASTM D 445  | cSt   | 22.9 | 32.4  | 46.8  | 68.9  |
| Viscosity @ 100 °C                    | ASTM D 445  | cSt   | 5.3  | 7.10  | 9.76  | 13.4  |
| Viscosity Index                       | ASTM D 2270 | -     | 175  | 190   | 200   | 200   |
| Pour Point                            | ASTM D 97   | °C    | -36  | -36   | -36   | -36   |
| Flash Point (COC)                     | ASTM D 92   | °C    | 204  | 215   | 215   | 220   |
| Copper Strip Corrosion                | ASTM D 130  | -     | 1B   | 1B    | 1B    | 1B    |
| Rust Characteristics Proc B           | ASTM D 665  | -     | Pass | Pass  | Pass  | Pass  |
| Foam Seq I,II,III                     | ASTM D 892  | ml/ml | 10/0 | 10/0  | 10/0  | 10/0  |
| Demulsibility, 40/40/0                | ASTM D 1401 | min   | 10   | 10    | 10    | 10    |
| TAN, mg KOH/g                         | ASTM D 2896 | -     | 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.*