



# HYDRAULIC OIL HV ZF 22

## Product Description:

**HYDRAULIC OIL HVZF 22** is a premium quality zinc free anti wear hydraulic oil developed for use in high pressure hydraulic systems operating under varying temperatures where small viscosity changes with fluctuating temperatures are preferred.

**HYDRAULIC OIL HVZF 22** oil is formulated with carefully selected base stocks fortified with additives and a very shear stable viscosity index improver to impart excellent protection towards wear, rust and oxidation. The viscosity improver reduces the viscosity decrease with rising temperatures.

**HYDRAULIC OIL HVZF 22** is formulated with field proven thermally stable, zinc free based anti wear additives.

**HYDRAULIC OIL HVZF 22** provides excellent water demulsibility as well as de-aeration and effectively protects against rust and oxidation.

**HYDRAULIC OIL HVZF 22** can be used in hydraulic systems in stationary and mobile hydraulic systems, as well as for general machine lubrication.

**HYDRAULIC OIL HVZF 22** exceeds the following performance criteria.:

**DIN 51524/3 HVLP, ISO 11158 HV, AFNOR NFE 48-603 HV**

| Property                     | Unit               | Test Method   | Typical Value |
|------------------------------|--------------------|---------------|---------------|
| ISO Viscosity Grade          |                    | ISO 3448      | 22            |
| Density@15°C                 | kg/m <sup>3</sup>  | ASTM D4052    | 841           |
| Kin. Viscosity @40°C         | mm <sup>2</sup> /s | ASTM D7042    | 19.8-24.2     |
| Viscosity Index              |                    | ASTM D2270    | 150           |
| Flash Point (COC)            | °C                 | ASTM D92      | >175          |
| Pour Point                   | °C                 | ASTM D97      | -36           |
| FZG Fail Load Stage, minimum |                    | DIN 51354-2   | 11            |
| Air Release Value @ 50°C     |                    | DIN 51381     | <5 minutes    |
| Demulsibility @54°C          |                    | ASTM DIN51599 | <40 minutes   |

**Product Nr:** 43730  
**Date Superseded:** -

**Date Issued:** 18-10-2011  
**Revision nr:** -

