Product Data Sheet

**Aminol™ HVLP 46 Zn Free**

Hydarulic oil

**Product description**

Aminol™ HVLP 46 Zn Free is a superior hydraulic oil designed to meet the needs of modern, high pressure, industrial and mobile equipment hydraulic systems. It has been formulated from high quality hydro-treated base stocks and specially selected zinc free additives to ensure exceptional protection due to excellent anti-wear performance in severe hydraulic applications.

**Application**

**Features & Benefits**

* High oxidation resistance and thermal stability
* Exceptional anti-wear properties
* Outstanding oil film strength
* Excellent demulsibility characteristics
* Fast air release and low foaming
* Multi metal compatibility

**Typical Properties**

| **Property** | **Unit** | **Test method** | **Typical value** |
| --- | --- | --- | --- |
| ISO viscosity grade | - | - | 46 |
| Density at 20°C | g/cm3 | ASTM D4052 | 0.871 |
| Kinematic Viscosity at 40°C | mm2/s | ASTM D445 | 46.0 |
| Viscosity Index | - | ASTM D2270 | 150 |
| Flash Point (COC) | °C | ASTM D92 | 220 |
| Pour Point | °C | ASTM D97 | -39 |
| Water separability  -time to 3 ml emulsion min | min | ASTM D7451 | 15 |
| Oxidation Stability after 1000h/TAN increase | min | ASTM D4310 | <1.0 |
| Copper Strip Corrosion, 3 h, 100 °C | - | ASTM D130 | 1 |
| Rust-Preventing Characteristics, A&B | - | ASTM D665 | Pass |
| FZG EP Wear Test (A 8.3/90) Failure Load Stage | - | ASTM D 5182 | 12 |

Typical property characteristics are based on current production. Whilst future production will conform to Aminol™ specifications, variations in these characteristics may occur.

**Performance claims**

* DIN 51524-3
* Fives Cincinnati P-68- P 69
* ISO 11158 (HV)
* ASTM D6158
* SAE MS1004
* ISO 20763 vane pump test

**Health, Safety & Environment**

* **Health and Safety**

This product is unlikely to present any significant health or safety hazard when properly used in the recommended application, and good standards of industrial and personal hygiene are maintained.

For further guidance on Product Health & Safety refer to the appropriate Safety Data Sheet which can be obtained upon request or through our website: [www.aminol.az](http://www.aminol.az)

* **Protect the Environment**

Take used oil to an authorized collection point. Do not discharge into drains, soil or water.

**Available pack sizes**

* 18 L Canister plastic
* 20 L Canister plastic
* 30 L Canister plastic
* 200 L Drum sheet metal
* 1000 L Container

**Storage**

* We recommend to store all packages under cover.
* Where outside storage is unavoidable drums should be laid horizontally to avoid the possible ingress of water and damage to drum markings.
* Products should not be stored above 60 °C, exposed to hot sun or freezing conditions.

**Notes**

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