



# Product Data Sheet

## Aminol™ Hydraulic HLP 100 Zinc Free

Hydraulic oil

### Product description

Aminol™ Hydraulic HLP 100 Zinc Free is a high-performance zinc-free ashless hydraulic oil designed for top-notch performance in hydraulic systems, power transmission, and general machine lubrication, especially under moderate to severe conditions. It features a formulation with high-quality mineral base stocks and a special additive technology, effectively preventing corrosion, wear, aging, and friction.

### Application

- Manufacturing and industrial hydraulic systems
- Severe-duty hydraulic service
- Marine and mobile hydraulic systems
- High-pressure vane, piston, and gear pumps operating at elevated temperatures
- Systems employing multi-metal designs in system components

### Features & Benefits

- Excellent anti-oxidation and anticorrosion properties.
- High thermal-oxidative stability.
- Outstanding seal compatibility.
- Superior antiwear characteristics.
- Great air separation ability.
- Extended oil drain intervals.

### Typical Properties

Property	Unit	Test method	Typical value
ISO viscosity grade	-	-	100
Density at 15°C	g/cm <sup>3</sup>	ASTM D4052	0.884
Kinematic Viscosity at 40°C	mm <sup>2</sup> /s	ASTM D445	100
Kinematic Viscosity at 100°C	mm <sup>2</sup> /s	ASTM D445	10.99
Viscosity Index	-	ASTM D2270	93



Flash Point (COC)	°C	ASTM D92	220
Pour Point	°C	ASTM D97	-39
Water separability	min	ASTM D7451	15
-time to 3 ml emulsion min	min	ASTM D7451	15
Oxidation Stability after 1000h/TAN increase	min	ASTM D4310	<1.0
FZG EP Wear Test (A 8.3/90)	-	ASTM D 5182	12
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 51524-2
- ISO 11158 (HM)
- ASTM D6158 (HM)
- SAE MS 1004
- ISO 20763

### 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

- 1 L Canister plastic
- 4 L Canister plastic
- 5 L Canister plastic
- 7 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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