

# Product Information

## AVENO HLPD 46

0002-000250



### Description

AVENO HLPD 46 is a detergent hydraulic oil and thus has a thorough network and cleaning effect. AVENO HLPD 46 is designed based on selected oils with additives to avoid corrosion, wear and friction. AVENO HLPD 46 additionally contains dispersing and detergent ingredients, which always ensure clean hydraulics. These additives loosen impurities and keep them suspended, enabling the dirt to be cleaned from the dirty hydraulic systems. The functional elements of a hydraulic system are therefore kept clean from sediment and adhesion. Seeping water is emulsified and ensures the operation of the hydraulic system remains trouble-free.

### Instructions for use

AVENO HLPD 46 is used in hydraulic systems, in agriculture, construction equipment, cement factories, foundries, electric multi-plate clutches, as a test oil, as a run-in oil for aggregates and equipment, in textile machinery and in machine tools. AVENO HLPD 46 exceeds the requirements for hydraulic oils HLP according to DIN 51524 Part 2 for hydraulics. \* Meets DIN and ISO specification, except for demulsibility which is not applicable for high detergency hydraulic oil.

### Quality classification

#### Specification

- DIN 51524-2 (HLP)\*

#### Recommendation

- Daimler Chrysler DBL 6721

### Properties

- High resistance to aging
- Good viscosity-temperature characteristics
- Very stable and excellent viscosity and temperature behavior
- Excellent corrosion protection even when absorbing moisture
- Extensive protection against wear, corrosion and foaming
- Neutrality towards sealants
- Exceptionally good detergent and dispersant properties
- Contains no ash and no zinc

### Technical specifications

Properties	Data	Unit	Testing under
Kinematic Viscosity at 40°C	46.0	mm <sup>2</sup> /s	DIN 51659-2:2017-02
Kinematic Viscosity at 100°C	7.2	mm <sup>2</sup> /s	DIN 51659-2:2017-02
Viscosity Index	115		DIN ISO 2909:2004-08
Appearance	YELLOW		VISUELL
Density at 15°C	861	kg/m <sup>3</sup>	DIN EN ISO 12185:1997-11
Pour Point	-30	°C	ASTM D 7346:2015