

# Product Information

## AVENO HVLPD 46

0002-000254



### Description

AVENO HVLPD 46 is a multi-grade hydraulic oil developed on the basis of specially selected base oils. AVENO HVLPD 46 offers a high wear protection, even under extreme loads, thanks to effective additives. AVENO HVLPD 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 adhesions. Seeping water is emulsified and ensures the operation of the hydraulic system remains trouble-free.

### Instructions for use

AVENO HVLPD 46 can be used primarily in hydraulic systems with heavily fluctuating operating temperatures. AVENO HVLPD 46 is ideal for heavy-loaded hydraulic systems, earth-moving machines and agricultural machinery. It is favored at heavily fluctuating operating temperatures and may not be used in hydraulic systems which contain silver or silver-plated construction and operating elements.\* Meets DIN and ISO specification, except for demulsibility which is not applicable for high detergency hydraulic oil.

### Quality classification

#### Specification

- AFNOR NF E 48-603 HV
- CETOP RP 91H HV
- DIN 51524-3 \*
- ISO 6743-4 HV

#### Recommendation

- Denison HF-0, HF-1, HF-2
- Eaton/Sperry Vickers 1-286-S
- Eaton/Sperry Vickers M-2950-S
- GM LH-04-1/LH-06-1/LH-15-1
- US Steel 136

### Properties

- Zinc and Ash free
- Excellent wear protection
- Very good oxidation stability
- Very low pour point
- Reliable protection against corrosion
- Stable viscosity index
- Good air and water separation capacity, thereby preventing foam formation
- Neutral towards sealants

### Technical specifications

Properties	Data	Unit	Testing under
Kinematic Viscosity at 40°C	46,5	mm <sup>2</sup> /s	DIN 51659-2:2017-02
Kinematic Viscosity at 100°C	8,5	mm <sup>2</sup> /s	DIN 51659-2:2017-02
Viscosity Index	163		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	-42	°C	ASTM D 7346:2015