## **Product Information** AVENO HVLPD 46

YELLOW

861

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0002-000254



## Description

Appearance Density at 15°C

Pour Point

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		• DIN 51524-3 *	
• CETOP RP 91H HV		• ISO 6743-4 HV	
Recommendation			
• Denison HF-0, HF-1, HF-2		• GM LH-04-1/LH-06-1/LH-15-1	
• Eaton/Sperry Vickers 1-286-S		• US Steel 136	
• Eaton/Sperry Vickers M-2950-S			
Properties			
• Zinc and Ash free		Reliable protection against corrosion	
Excellent wear protection		Stable viscosity index	
<ul> <li>Very good oxidation stability</li> </ul>		<ul> <li>Good air and water separation capacity, thereby preventing foam formation</li> </ul>	
• Very low pour point		Neutral towards sealants	
Technical specifications			
Properties	Data	Unit	Testing under
Kinematic Viscosity at 40°C	46.5	mm²/s	DIN 51659-2:2017-02
Kinematic Viscosity at 100°C	8.5	mm²/s	DIN 51659-2:2017-02
Viscosity Index	163		DIN ISO 2909:2004-08

kg/m³

°C

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DIN EN ISO 12185:1997-11

ASTM D 7346:2015

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