

# Product Information

## AVENO Hydraulic HVLP AF 46

0002-000229



### Description

AVENO Hydraulic HVLP AF 46 is a ash- and zinc-free multi-grade hydraulic oil. AVENO Hydraulic HVLP AF 46 offers effective additives for high wear protection even under extreme loads. AVENO Hydraulic HVLP AF 46 is characterized by good viscosity-temperature behavior and reliable corrosion protection.

### Instructions for use

AVENO Hydraulic HVLP AF 46 can be used primarily in hydraulic systems with heavily fluctuating operating temperatures. AVENO Hydraulic HVLP AF 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.

### Quality classification

#### Specification

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

#### Recommendation

- Denison HF-1/HF-0/HF-2
- Eaton/Sperry Vickers I-286-S
- Eaton/Sperry Vickers M-2950-S
- General Motors LH-04-1/LH-06-1/LH-15-1
- US Steel 127/136

### Properties

- Reliable protection against corrosion
- Excellent wear protection
- Very good oxidation stability
- Very low pour point
- A stable viscosity index
- Prevention of foam formation thanks to good air and water separation capacity
- Neutral towards sealing agents

### Technical specifications

Properties	Data	Unit	Testing under
Kinematic Viscosity at 40°C	45,4	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	165		DIN ISO 2909:2004-08
Appearance	YELLOWBROWN		VISUELL
Density at 15°C	856	kg/m <sup>3</sup>	DIN EN ISO 12185:1997-11
Pour Point	-48	°C	ASTM D 7346:2015