

# Product Information

## AVENO Hydraulic HVLP 46

0002-000244



### Description

AVENO Hydraulic HVLP 46 is a multi-grade hydraulic oil developed on the basis of specially selected base oils. AVENO Hydraulic HVLP 46 offers a high wear protection, even under extreme loads, thanks to effective additives. AVENO Hydraulic HVLP 46 is characterized especially by a very good viscosity and temperature behavior and reliable corrosion protection.

### Instructions for use

AVENO Hydraulic HVLP 46 can be used primarily in hydraulic systems with heavily fluctuating operating temperatures. AVENO Hydraulic HVLP 46 is ideal for heavily 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
- AFNOR NF E 48-690/1
- CETOP RP 91H HV
- DIN 51524-3
- GB 111118.1 L-HV
- ISO 11158 HV
- ISO 6743-4 HV
- JCMAS HK VG32W
- SAE MS1004

### Recommendation

- Bosch Rexroth RE90220
- Denison HF-0/HF-1/HF-2
- Eaton/Sperry Vickers I-286-S
- Eaton/Sperry Vickers M-2950-S
- Fives Cincinnati P-68
- GM LH-03-1-04, GM LS-2
- Sauer-Danfoss 520L0463
- US Steel 127/136

### Properties

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

### Technical specifications

Properties	Data	Unit	Testing under
Kinematic Viscosity at 40°C	45,6	mm <sup>2</sup> /s	DIN 51659-2:2017-02
Kinematic Viscosity at 100°C	7,9	mm <sup>2</sup> /s	DIN 51659-2:2017-02
Viscosity Index	146		DIN ISO 2909:2004-08
Appearance	YELLOW		VISUELL
Density at 15°C	858	kg/m <sup>3</sup>	DIN EN ISO 12185:1997-11
Pour Point	-42	°C	ASTM D 7346:2015