

# Product Information

## AVENO Mineral Hydraulic HLP 32

0002-000239



### Description

AVENO Mineral Hydraulic HLP 32 is a mineral-oil based hydraulic fluid with highly effective additives. It is optimally alloyed, has a high level of performance and a wide range of applications within the entire industry. AVENO Mineral Hydraulic HLP 32 offers a high wear protection, even under extreme loads, thanks to effective additives. AVENO Mineral Hydraulic HLP 32 is characterized especially by a very good viscosity and temperature behavior, high resistance to aging and reliable corrosion protection.

### Instructions for use

AVENO Mineral Hydraulic HLP 32 is universally applicable in all hydraulic systems. It is recommended for thermally highly stressed hydraulic systems with high-pressure pumps of all models, in sensitive control systems, and also for the supply of small gear units and for use in circulation systems.

### Quality classification

#### Specification

- AFNOR NF E 48-603 HM
- ASTM D6158
- CETOP RP 91H HM
- DIN 51524-2
- GB 111118.1 L-HM (conventional)
- ISO 11158 HM
- ISO 6743-4 HM
- JCMAS HK
- MIL-PRF-17672 E
- SAE MS1004 HM
- SEB 181 222

#### Recommendation

- VDMA 24318
- Atos
- Bosch Rexroth RE 90220
- Danieli Hydraulics
- Denison HF-0/HF-1/HF-2
- Eaton/Sperry Vickers I-286-S
- Eaton/Sperry Vickers M-2950-S
- Fives Cincinnati P-38/P-68
- GM LH-02-1-04, GM LS-2
- Metso
- Müller Weingarten
- Sauer-Danfoss 520L0463
- US Steel 126/127/136
- Voith Turbo (HLP 32)

### Properties

- Reliable protection against corrosion
- Very good oxidation stability
- Neutral towards sealants
- Excellent wear protection
- High resistance to aging

### Technical specifications

Properties	Data	Unit	Testing under
Kinematic Viscosity at 40°C	32.0	mm <sup>2</sup> /s	DIN 51659-2:2017-02
Kinematic Viscosity at 100°C	5.6	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	859	kg/m <sup>3</sup>	DIN EN ISO 12185:1997-11
Pour Point	-33	°C	ASTM D 7346:2015