

# Product Information

## AVENO Mineral Hydraulic HLP 10

0002-000236



### Description

AVENO Mineral Hydraulic HLP 10 is an optimally alloyed hydraulic oil. It has a high level of performance and a wide range of applications within the entire industry. It offers an excellent wear protection under extreme loads. AVENO Mineral Hydraulic HLP 10 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 10 is suitable for all industrial and mobile hydraulic systems of various constructions.

### Quality classification

#### Specification

- AFNOR NF E 48-603 HM
- ASTM D6158
- CETOP RP 91H HM
- DIN 51524-2
- ISO 11158 HM
- ISO 6743-4 HM
- SAE MS1004 HM
- VDMA 24318

### Recommendation

- Bosch Rexroth RE 90220
- Danieli Hydraulics
- Metso
- Sauer-Danfoss 520L0463

### Properties

- High resistance to aging
- Neutrality towards sealants
- Extensive protection against wear, corrosion and foaming
- Very stable and excellent viscosity and temperature behavior

### Technical specifications

| Properties                   | Data         | Unit               | Testing under            |
|------------------------------|--------------|--------------------|--------------------------|
| Kinematic Viscosity at 40°C  | 9,9          | mm <sup>2</sup> /s | DIN 51659-2:2017-02      |
| Kinematic Viscosity at 100°C | 2,7          | mm <sup>2</sup> /s | DIN 51659-2:2017-02      |
| Viscosity Index              | 116          |                    | DIN ISO 2909:2004-08     |
| Appearance                   | LIGHT YELLOW |                    | VISUELL                  |
| Density at 15°C              | 836          | kg/m <sup>3</sup>  | DIN EN ISO 12185:1997-11 |
| Pour Point                   | -36          | °C                 | ASTM D 7346:2015         |