# **Product Information**

## **AVENO Hydraulic HVLP AF 32**

0002-000228



#### Description

AVENO Hydraulic HVLP AF 32 is an ash- and zinc-free multi-grade hydraulic oil. AVENO Hydraulic HLVP AF 32 offers a high wear protection, even under extreme loads, thanks to effective additives. AVENO Hydraulic HLVP AF 32 is characterized especially by a very good viscosity and temperature behavior and reliable corrosion protection.

#### Instructions for use

AVENO Hydraulic HVLP AF 32 can be used primarily in hydraulic systems with heavily fluctuating operating temperatures. AVENO Hydraulic HVLP AF 32 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                | • ISO 11158 HV             |
| • AFNOR NF E 48-690/1                 | • ISO 6743-4 HV            |
| • CETOP RP 91H HV                     | • JCMAS HK VG32W           |
| • GB 111118.1 L-HV                    | • SAE MS1004               |
| Recommendation                        |                            |
| Bosch Rexroth RE 90220                | • Fives Cincinnati P-68    |
| • Denison HF-0/HF-1/HF-2              | • GM LH-03-1-04, GM LS-2   |
| • Eaton/Sperry Vickers I-286-S        | Sauer-Danfoss 520L0463     |
| • Eaton/Sperry Vickers M-2950-S       | • US Steel 126/127/136     |
| Properties                            |                            |
| Reliable protection against corrosion | • A stable viscosity index |

- Excellent wear protection
- Very good oxidation stability
- Very low pour point

- 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  | 32.1   | mm²/s | DIN 51659-2:2017-02      |
| Kinematic Viscosity at 100°C | 6.5    | mm²/s | DIN 51659-2:2017-02      |
| Viscosity Index              | 160    |       | DIN ISO 2909:2004-08     |
| Appearance                   | YELLOW |       | VISUELL                  |
| Density at 15°C              | 855    | kg/m³ | DIN EN ISO 12185:1997-11 |
| Pour Point                   | -48    | °C    | ASTM D 7346:2015         |

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