

# Product Information

## AVENO Gear Ultimate FLD 320

0002-000983



### Description

AVENO Gear Ultimate FLD 320 is produced on a basis of high-quality synthetic oils and proven additives. Thanks to its special combination of ingredients, it achieves a stable, high-pressure capacity under impact loads. Due to the low pour point of AVENO Gear Ultimate FLD 320, the cold flow behavior of this product is excellent.

### Instructions for use

AVENO Gear Ultimate FLD 320 can be used in every industrial gear that requires the application of a fully synthetic CLP gear oil according to DIN 51517 Part 3. With AVENO FS PAO CLP 320 heavily loaded gears running under temperatures up to 150°C can be lubricated reliably without tarnishing the components made of copper/brass.

### Quality classification

#### Specification

- DIN 51517-1
- DIN 51517-2
- DIN 51517-3
- ISO 12925-1 CKC
- ISO 12925-1 CKD
- ISO 12925-1 CKSMP

#### Approval

- Flender AS7300 (ADLA23-202593-1014)
- Sumitomo PARAMAX®
- Sumitomo series HP1, HP2, HPP, P4, M4ACC, M5CT
- Eickhoff Gearboxes QSV19.0002
- ZF Industriebetriebe Witten ZN-W-17-145
- ZF TE-ML 27H

#### Recommendation

- AGMA 9005-F16 AS
- Chinese GB 5903 L-CKC/L-CKD
- Danieli 0.000.001 CKC
- David Brown S1.53.101 Type E
- Fives Cincinnati EP Gear OilLubricants
- Flender AS7300
- GE D50E35
- GM LS 2 EP
- Indian Standard IS 8406
- Renk ZAN 36011
- Schaeffler Step 1 to 4
- Schuler Pressen DT 55055 01.2
- SMS Group SN180-3
- Sumitomo Drive Technologies BUI-TEC-2009-4-001
- U.S. Steel 224
- ZF TE-ML 04H

### Properties

- An excellent cold flow behavior
- An excellent wear protection
- Inhibits rust and corrosion
- A stable, high-pressure capacity under impact loads
- A low pour point
- Prevents foam formation

### Technical specifications

Properties	Data	Unit	Testing under
Kinematic Viscosity at 40°C	326,6	mm <sup>2</sup> /s	DIN 51659-2:2017-02
Kinematic Viscosity at 100°C	39	mm <sup>2</sup> /s	DIN 51659-2:2017-02
Viscosity Index	171		DIN ISO 2909:2004-08
Appearance	LIGHT YELLOW		VISUELL
Density at 15°C	845	kg/m <sup>3</sup>	DIN EN ISO 12185:1997-11
Pour Point	-48	°C	ASTM D 7346:2015