## **Product Information**

## **AVENO Gear Ultimate FLD 220**

0002-000982



## Description

AVENO Gear Ultimate FLD 220 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 220, the cold flow behavior of this product is excellent.

## Instructions for use

AVENO Gear Ultimate FLD 220 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 Gear Ultimate FLD 220 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		• ISO 12925-1 CKC	• ISO 12925-1 CKC	
• DIN 51517-2		• ISO 12925-1 CKD		
• DIN 51517-3		• ISO 12925-1 CKSMP	• ISO 12925-1 CKSMP	
Recommendation				
• AGMA 9005-F16 AS		• Renk 36011-11	• Renk 36011-11	
Chinese GB 5903 L-CKC/L-CKD		<ul> <li>Renk Augsburg ZAN 36</li> </ul>	Renk Augsburg ZAN 36011	
• Danieli 0.000.001 CKC		<ul> <li>Schaeffler Step 1 to 4</li> </ul>	Schaeffler Step 1 to 4	
• David Brown \$1.53.101 Type E		Schuler Pressen DT 55	• Schuler Pressen DT 55055 01.2	
Fives Cincinnati EP Gear OilLubricants		<ul> <li>SMS Group SN180-3</li> </ul>	• SMS Group SN180-3	
• Flender		<ul> <li>Sumitomo Drive Techn</li> </ul>	Sumitomo Drive Technologies BUI- TEC- 2009-4-001 H	
• GE D50E35		• U.S. Steel 224	• U.S. Steel 224	
• GM LS 2 EP		• ZF TE ML 04H	• ZF TE ML 04H	
Indian Standard IS 8406		• ZF Witten ZN-W-17-14	• ZF Witten ZN-W-17-145	
Properties				
An excellent cold flow behavior		<ul> <li>A stable, high-pressure</li> </ul>	<ul> <li>A stable, high-pressure capacity under impact loads</li> </ul>	
An excellent wear protection		<ul> <li>A low pour point</li> </ul>	• A low pour point	
Inhibits rust and corrosion		<ul> <li>Prevents foam formati</li> </ul>	Prevents foam formation	
Technical specifications				
Properties	Data	Unit	Testing under	
Kinematic Viscosity at 40°C	214,2	mm²/s	DIN 51659-2:2017-02	
Kinematic Viscosity at 100°C	27,8	mm²/s	DIN 51659-2:2017-02	
Viscosity Index	167		DIN ISO 2909:2004-08	
Appearance	LIGHT YELLOW		VISUELL	
Density at 15°C	843	kg/m³	DIN EN ISO 12185:1997-11	
Pour Point	-51	°C	ASTM D 7346:2015	

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