# **Product Information**

## **AVENO Excellence FDL 5W-30**

0002-000068



#### Description

AVENO Excellence FDL 5W-30 is a synthetic Mid SAPS smooth-running engine oil for petrol and diesel car engines with or without turbocharging and direct injection. AVENO Excellence FDL 5W-30 is characterized by its excellent cold starting properties and its minimization of fuel consumption, friction and wear. Thanks to its formulation with special base oils, AVENO Excellence FDL 5W-30 achieves a high viscosity index. The excellent cold starting performance ensures optimum lubrication reliability in the cold-running phase. Thanks to significant fuel savings and the reduction of emissions, AVENO Excellence FDL 5W-30 contributes to the protection of the environment. Extended oil change intervals as per manufacturer's instruction.

#### Instructions for use

AVENO Excellence FDL 5W-30 is a universal, synthetic smooth-running engine oil, which has been developed specifically for use in engines with the OEM requirements indicated.

Quality classification		
Specification		
• API SN	• ACEA C2	
• ILSAC GF-5		
Recommendation		
• Fiat 9.55535-S1	• lveco 18-1811 Classe SC1	
Properties		
<ul> <li>Fuel savings in all operating conditions</li> </ul>	<ul> <li>Excellent cold starting properties, even at low temperatures below -30°C</li> </ul>	
<ul> <li>Low evaporation, thus low oil consumption</li> </ul>	<ul> <li>The function of the hydraulic valve lifter is guaranteed at all temperatures</li> </ul>	
<ul> <li>Extended oil change intervals protect natural resources</li> </ul>	<ul> <li>A secure lubricant film at high operating temperatures</li> </ul>	
Neutrality towards sealants	<ul> <li>MID SAPS = reduced sulphated ash, phosphorous and sulphur</li> </ul>	
<ul> <li>Extensive protection against wear, corrosion and foaming</li> </ul>		

### Technical specifications

I echnical specifications				
Properties	Data	Unit	Testing under	
Kinematic Viscosity at 40°C	60.4	mm²/s	DIN 51659-2:2017-02	
Kinematic Viscosity at 100°C	10.4	mm²/s	DIN 51659-2:2017-02	
Viscosity Index	162		DIN ISO 2909:2004-08	
Appearance	YELLOW		VISUELL	
Viscosity CCS at -30°C	4770	mPa*s	ASTM D 5293:2020	
Density at 15°C	849	kg/m³	DIN EN ISO 12185:1997-11	
Pour Point	-42	°C	ASTM D 7346:2015	
Total Base Number (TBN)	7.5	mgKOH/g	ASTM D 2896:2015	

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