



## Renault RN17FE certificate

<b>Identification</b>	Supplier	Wolf Oil Corporation N.V.
	Product name	<b>WOLF OFFICIALTECH 0W20 C5 RFE</b>
		<b>63635</b>
	ACEA	C5 - 21
	Grade	0W-20

<b>Lab performance</b>	Shear stability	8,20
	HTHS	2,7
	Kinematic viscosity (40°C)	39,0
	Kinematic viscosity (100°C)	8,20
	Noack	10,6
	Calcium	1910
	Zinc	863
	Magnesium	0
	Sulphur	2050
	Phosphorus	762
	Chlorine	16
	Molybdenum	100
	Barium	0
	Silicon	4
	Boron	72
	Potassium	0
	Sodium	0
	Nitrogen	1141
	Sulphated Ash	0,8
	TAN	2,3
	TBN	8,4
	RE6 (FKM)	PASS
	RE7 (ACM)	PASS
	RE8 (HNBR)	PASS
	RE9 (AEM)	PASS
	Foaming Seq1	0-0
	Foaming Seq2	10-0
	Foaming Seq3	0-0
	Foaming Seq4	90-0
	CCS	4650 @ -35°C
	Pumping limit T° (MRV)	16200 @ -40°C

<b>Lab performance (continued)</b>	Density	841
	Open-vessel flash point	227
	Pour point	-48
	HTCBT	PASS
	De-airing	9
	Water content	<0,04
	Base oil type & ratio	87% Gr.III & 13% Gr.IV
	TOC	Class 4
	MCT	7,7 / 249


<b>ACEA Engine tests performance</b>	EP6CDT high temperature deposits	PASS
	Sequence VH low temperature sludge	PASS (Seq. VG)
	Valvetrain Wear	PASS (Seq. IVA)
	M271 EVO black sludge	PASS (M271)
	M111 fuel economy	3,1
	DV6 dispersivity	PASS
	VW DI piston cleanliness & ring sticking	PASS (TDI2)

<b>LLR</b>	Renault LLR test	PASS
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<b>RFF wear</b>	Renault RFF test	PASS
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<b>Fuel economy</b>	Renault FE test	PASS
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Renault Registration Data (to be filled by Renault's delegate only)		
<b>Registration</b>	Final Technical data (dd/mm/yyyy)	27.02.2024
	Sample delivery (dd/mm/yyyy)	11.03.2020
<b>Certificate</b>	Certificate serial number	<b>RN17FE-24-04</b>
	Delivered on (dd/mm/yyyy)	<b>11.04.2024</b>
	Valid till (dd/mm/yyyy)	<b>11.04.2028</b>
	Letter reference	REPMA-RTR-PF-2024-00032918-ALL-RN-Aftersales

<b>Renault : Date, Name, Signature</b>
<p><b>11.04.2024</b>  <b>Gabriel Alexandru SERBAN</b></p> 

<b>Supplier commitment: Date, Name, Signature</b>
<p>I hereby certify that all data submitted in this form is correct and issues from Renault-approved independent or Renault-certified (self-agreement process) testing facilities.</p> <p><i>HENIKSEN / February 27, 2024</i>  <i>10. [Signature]</i>  <b>Katleen Adkema</b></p>