



Renault RN17FE certificate

Identification	Supplier	CHAMPION Chemicals N.V.
	Product name	CHAMPION OEM SPECIFIC 0W20 C5 RFE 63635)
	ACEA	C5 - 21
	Grade	0W-20

Lab performance	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

Renault : Date, Name, Signature

11.04.2024

Gabriel Alexandru SERBAN

Lab performance (continued)	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

ACEA Engine tests performance	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)

LLR	Renault LLR test	PASS
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RFF wear	Renault RFF test	PASS
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Fuel economy	Renault FE test	PASS
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Renault Registration Data (to be filled by Renault's delegate only)

Registration	Final Technical data (dd/mm/yyyy)	27.02.2024
	Sample delivery (dd/mm/yyyy)	11.03.2020
Certificate	Certificate serial number	RN17FE-24-05
	Delivered on (dd/mm/yyyy)	11.04.2024
	Valid till (dd/mm/yyyy)	11.04.2028
	Letter reference	REPMA-RTR-PF-2024-00032918-ALL-RN-Aftersales

Supplier commitment: Date, Name, Signature

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.

HENRIKSEN / February 27, 2024

10.00

Katleen Adkema