



Renault RN17 certificate

Identification	Supplier	Wolf Oil Corporation N.V.
	Product name	WOLF OFFICIALTECH 5W30 C3 RN 65637
	ACEA	C3-16
	Grade	5W30

Lab performance	Shear stability	12.1
	HTHS	3.6
	Kinematic viscosity (40°C)	64.4
	Kinematic viscosity (100°C)	12.3
	Noack	9.1
	Calcium	1910
	Zinc	863
	Magnesium	0
	Sulphur	2030
	Phosphorus	762
	Chlorine	16
	Molybdenum	100
	Barium	0
	Silicon	4
	Boron	72
	Potassium	0
	Sodium	0
	Nitrogen	1141
	Sulphated Ash	0.8
	TAN	2.1
	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	10/0	
CCS	5630@-30	
Pumping limit T° (MRV)	25000@-35	

Lab performance (continued)	Density	852
	Open-vessel flash point	223
	Pour point	-39
	HTCBT	PASS
	De-airing	15
	Water content	<0.04
	Base oil type & ratio	Gr3 100%
	TOC	Classe 4
	MCT	8.0 / 254

ACEA Engine tests performance	EP6CDT high temperature deposits	PASS
	Seq VG low temperature sludge	PASS
	M271 black sludge	PASS
	M111 fuel economy	2.0
	DV6 dispersivity	PASS
	OM646LA Viscosity stability et oil consumption	PASS
	VW DI piston cleanliness & ring sticking	PASS
	OM646LA Bio effect of biodiesel	PASS

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

Registration	Final Technical data (dd/mm/yyyy)	04.02.2020
	Sample delivery (dd/mm/yyyy)	13.02.2020

Certificate	Certificate serial number	RN17-20-06
	Delivered on (dd/mm/yyyy)	27.03.2020
	Valid till (dd/mm/yyyy)	27.03.2024
	Letter reference	QB7300-2020-19538

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.

27/03/2020

 Kathleen Adriaenssens

Renault : Date, Name, Signature

SERBAN GABRIEL ALEXANDRU
 27/03/2020