



Renault RN700 certificate

Identification	Supplier	Wolf Oil Corporation N.V.
	Formula name	WOLF OFFICIALTECH SW38 MS-F (85809)
	ACEA	A5/95-18
	Grade	SW-38

Lab performance	1.02	Shear stability	9.4
	1.03	HTHS (150°C)	2.9
	1.04	HTHS (100°C)	8.2
	1.05	Kinematic viscosity 40°C	62.9
		Kinematic viscosity 100°C	9.6
	1.06	Neck	12.2
	1.07	Cobalt	2687
		Zinc	1851
		Magnesium	0
		Sulphur	8.25
		Phosphorus	958
		Chlorine	10
		Molybdenum	8
		Boron	8
		Silicon	6
		Bismuth	70
	1.08	Sulphated Ash	1.1
	1.09	TAN	3.0
	1.10	TBN	10.1
	1.11	RES - PKM	PASS
		RET - ACM	PASS
		RES - HSEFI	PASS
		RES - AEM	PASS
	1.12	Foaming Seq1	90
		Foaming Seq2	190
Foaming Seq3		90	
1.13	Foaming Seq4	190	
1.14	Low temperature Cranking viscosity(CCS)	3900@-30°C	
1.15	Low temperature Pumping viscosity (PNV)	14190@-35°C	

Lab performance (continued)	1.16	Density	852	
	1.17	Open-veed flash point	232	
	1.18	Pour point	-42	
	1.19	Copper corrosion	1a	
	1.20	Anti-wear properties	8.45	
	1.21	Dr-eking	14	
	1.22	Water content, %	<0.84	
	1.23	Water content, ppm	85	
	1.24	Base oil type & ratio	Gr.3 100%	
	1.25	TOC	Classo 2	
	1.26	MOT	9.2 / 146	
	1.27	Oil oxidation with Biodiesel	PASS	
	1.28	Low temperature Pumping viscosity	17190@-35	
	ACEA Engine tests performance	2.01	EPBCOT cleanliness test	PASS
		2.02	Seq VG low temperature sludge	PASS
2.03		TJSM raw wear	NA	
2.04		M271 block sludge	PASS	
2.05		M111 fuel economy	3.1	
2.06		DVBC dispersivity	PASS	
2.07		CMV6LA Viscosity stability & oil consumption	PASS	
2.08		VW TDI piston cleanliness & ring sticking	PASS	
2.09		CMV6LA Biodiesel Effects	PASS	

LLR	2.10	Renault LLR	NR
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Renault Registration Data (to be filled by Renault's delegate only)		
Registration	Final Technical data (dd/mm/yyyy)	30.11.2020
	Sample delivery (dd/mm/yyyy)	18.12.2020
Certificate	Certificate serial number	RN700-21-43
	Delivered on (dd/mm/yyyy)	18.01.2021
	Valid till (dd/mm/yyyy)	18.01.2025
	Letter reference	Q87300-2021-20482

Renault: Date, Name, Signature

18.01.2021
Gabriel Alexandru SERBAN

Supplier consent: Date, Name, Signature

I hereby certify that all data submitted in this form is correct and issues from Renault approved independent or Renault certified (with agreement process) testing facilities.

18/01/2021

Katherin Adamovskis