Renault RN710 certificate

Identification		Supplier	OSCAR Lubricants LLC
		Formula name	**Oscar Jade Gold Plus SAE 5W40**
			IME1311728-I
		ACEA	A3/B4 - 21
	1.01	Grade	5W-40

Lab performance	1.02	Shear stability	13,2
	1.03	HTHS (150°C)	3,6
	1.04	HTHS (100°C)	7,7
	1.05	Kinematic viscosity 40°C	83,3
		Kinematic viscosity 100°C	13,6
	1.06	Noack	10,3
	1.07	Calcium	1210
		Zinc	1200
		Magnesium	1200
		Sulphur	0,37
		Phosphorus	1050
		Chlorine	16
		Molybdenum	50
		Barium	0
		Silicon	6
		Boron	69
	1.08	Sulphated Ash	1,1
	1.09	TAN	2,9
	1.10	TBN	10,7
	1.11	RE6 - FKM	PASS
		RE7 - ACM	PASS
		RE8 - HNBR	PASS
		RE9 - AEM	PASS
	1.12	Foaming Seq1	0-0
		Foaming Seq2	0-0
		Foaming Seq3	0-0
	1.13	Foaming Seq4	10-0
	1.14	Low temperature Cranking viscosity(CCS)	6090 @ -30°C
	1.15	Low temperature Pumping viscosity (MRV)	27600 @ -35°C
	1.16	Density	856
	1.17	Open-vessel flash point	222
	1.18	Pour point	-36
	1.19	Copper corrosion	1a
	1.20	Anti-wear properties	0,4
	1.21	De-airing	34
	1.22	Water content, %	<0,04
	1.23	Water conten, ppm	128
	1.24	Base oil type & ratio	80,4% Gr.3
	1.25	TOC	Class 2
	1.26	MCT	8,6 / 256
	1.27	Oil oxidation with Biodiesel	PASS
	1.28	Low temperature Pumping viscosity	38200 @ -35°C
ACEA Engine tests performance	2.01	EP6CDT high temperature deposits	PASS
	2.02	Sequence VH low temperature sludge	PASS (Seq. VG)
	2.03	Valvetrain Wear Seq. IVB	PASS (Seq. IVA)
	2.04	M271 EVO black sludge	PASS (M271)
	2.05	M111 fuel economy	NR
	2.06	DV6C dispersivity	PASS
	2.07	VW DI piston cleanliness & ring sticking	PASS (TDI2)

LLR	2.08	Renault LLR	NR

Renault Registration Data (to be filled by Renault's delegate only)

Registration	Final Technical data (dd/mm/yyyy)	06.10.2022
	Sample delivery (dd/mm/yyyy)	22.08.2022
Certificate	Certificate serial number	**RN710-23-10**
	Delivered on (dd/mm/yyyy)	**15.02.2023**
	Valid till (dd/mm/yyyy)	**15.02.2027**
	Letter reference	QBT7300-2023-22491

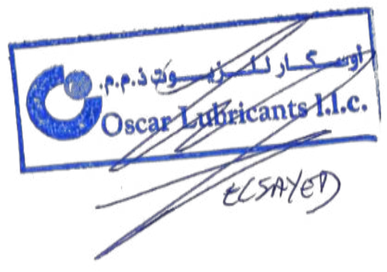
Renault: Date, Name, Signature

15th February 2023

Ana-Maria-Silvia MATHE
PMR Function Pilot & LTL Polymers

Supplier commitment: 13/2/2023, Loutfi El Sayed

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.



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