

Renault RN720 certificate

Identification		Supplier	MOOVE Lubricants Ltd
		Formula name	Comma Ecoren 5W-30
		ACEA	C4-21
	1.01	Grade	5W-30

Lab performance	1.02	Shear stability	11.8
	1.03	HTHS (150°C)	3.5
	1.04	HTHS (100°C)	7.3
	1.05	Kinematic viscosity 40°C	62.1
		Kinematic viscosity 100°C	11.9
	1.06	Noack	10.0
	1.07	Calcium	25
		Zinc	547
		Magnesium	983
		Sulphur	0.14
		Phosphorus	497
		Chlorine	11
		Molybdenum	0
		Barium	0
		Silicon	5
	Boron	68	
	1.08	Sulphated Ash	0.47
	1.09	TAN	0.9
	1.10	TBN	8.1
	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	40/0	
1.14	Low temperature Cranking viscosity (CCS)	4900@-30°C	
1.15	Low temperature Pumping viscosity (MRV)	15800@-35°C	

Lab performance (continued)	1.16	Density	849
	1.17	Open-vessel flash point	248
	1.18	Pour point	-42
	1.19	Copper corrosion	1a
	1.20	Anti-wear properties	0,49
	1.21	De-airing	17.5
	1.22	Water content, %	<0.04
	1.23	Water conten, ppm	127
	1.24	Base oil type & ratio	Gr.3 100%
	1.25	TOC	Class 3
	1.26	MCT	7.6 / 254
	1.27	Oil oxidation with Biodiesel	PASS
	1.28	Low temperature Pumping viscosity	17600@-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	1,3
	2.06	DV6C dispersivity	PASS
	2.07	VW TDI piston cleanliness & ring sticking	PASS (VW TDI2)

LLR	2.08	Renault LLR	PASS
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Renault Registration Data (to be filled by Renault's delegate only)		
Registration	Final Technical data (dd/mm/yyyy)	28.02.2023
	Sample delivery (dd/mm/yyyy)	05.04.2023
Certificate	Certificate serial number	RN720-23-06
	Delivered on (dd/mm/yyyy)	05.04.2023
	Valid till (dd/mm/yyyy)	05.04.2027
	Letter reference	QBT7300-2023-22534

Renault: Date, Name, Signature

05.04.2023
Gabriel Alexandru SERBAN

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.

04.04.2023