

Renault RN700 certificate

Identification	Supplier	SK lubricants Co., Ltd
	Product name	ZIC TOP 5W-30
	ACEA	A3/B4-12
	1.1 Grade	5W-30

Lab performance	1.2	Shear stability	11.9
	1.3	HTHS	3.6
	1.4	Kinematic viscosity (40°C)	70.9
		Kinematic viscosity (100°C)	12.1
	1.5	Noack	9.9
	1.6	Calcium	2687
		Zinc	1051
		Magnesium	0
		Sulphur	0.21
		Phosphorus	958
		Chlorine	10
		Molybdenum	0
		Barium	0
	1.7	Silicon	6
		Boron	70
	1.7	Sulphated Ash	1.1
	1.8	TAN	2.4
	1.9	TBN	10
	1.10	RE1 - FPM	PASS
RE2/99 - ACM		PASS	
RE3/04 - VMQ		PASS	
RE4 - NBR		PASS	
AEM - VAMAC		PASS	
1.11	Foaming Seq1	0/0	
	Foaming Seq2	10/0	
	Foaming Seq3	0/0	
1.12	Foaming Seq4	20/0	
1.13	CCS	6190@-30	
1.14	Pumping limit T* (MRV)	26900@-35	

Lab performance (continued)	1.15	Density	853
	1.16	Open-vessel flash point	226
	1.17	Pour point	-42
	1.18	Copper corrosion	1a
	1.19	Anti-wear properties	0.4
	1.20	De-airing	21
	1.21	Water content	< 0.04
	1.22	Base oil type & ratio	100 % Gr.3
	1.23	TOC	Classe 2
	1.24	MCT	9.6 / 250
	1.25	Auto-ignition T*	330

ACEA Engine tests performance	2.1	TU5JP high temperature deposits	PASS
	2.2	Seq VG low temperature sludge	PASS
	2.3	TU3M cam wear	PASS
	2.4	M111 black sludge	PASS
	2.5	M111 fuel economy	NR
	2.6	DV4TD dispersivity	PASS
	2.7	OM646 Viscosity stability et oil consumption	PASS
	2.8	VW DI piston cleanliness & ring sticking	PASS

LLR	3.1	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)	27.04.2021
	Sample delivery (dd/mm/yyyy)	28.04.2021
Certificate	Certificate serial number	RN700-21-34
	Delivered on (dd/mm/yyyy)	06.05.2021
	Valid till (dd/mm/yyyy)	06.05.2025
	Letter ref (NDS)	QBT7300-2021-20843

Renault: Date, Name, Signature

06.05.2021
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

2021.05.06
Taemooon Chung



Renault RN710 certificate

Identification	Supplier	SK lubricants Co., Ltd
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		Molybdenum	0
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	1.8	TAN	2.4
	1.9	TBN	10
	1.10	RE1 - FPM	PASS
		RE2/99 - ACM	PASS
RE3/04 - VMQ		PASS	
RE4 - NBR		PASS	
AEM - VAMAC		PASS	
1.11	Foaming Seq1	0/0	
	Foaming Seq2	10/0	
	Foaming Seq3	0/0	
1.12	Foaming Seq4	20/0	
1.13	CCS	6190@-30	
1.14	Pumping limit T* (MRV)	26900@-35	

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Renault Registration Data (to be filled by Renault's delegate only)		
Registration	Final Technical data (dd/mm/yyyy)	27.04.2021
	Sample delivery (dd/mm/yyyy)	28.04.2021
Certificate	Certificate serial number	RN710-21-26
	Delivered on (dd/mm/yyyy)	06.05.2021
	Valid till (dd/mm/yyyy)	06.05.2025
	Letter ref (NDS)	QBT7300-2021-20843

Renault: Date, Name, Signature

06.05.2021
Gabriel Alexandru SERBAN



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2021.05.06
Taemoon Chung

