



Renault RN710 certificate

Identification	Supplier	OOO "LLK-International"
	Product name	CONFIDENTIAL Lukoil Genesis Special Polar CONFIDENTIAL
	ACEA	A3/B4-10
	1.1 Grade	0w-30

Lab performance	1.2	Shear stability	12,20
	1.3	HTHS	3,50
	1.4	Kinematic viscosity (40°C)	69,3
		Kinematic viscosity (100°C)	12,30
	1.5	Noack	10,4
	1.6	Calcium	2687
		Zinc	1051
		Magnesium	0
		Sulphur	0,21
		Phosphorus	958
		Chlorine	10
		Molybdenum	0
		Barium	0
		Silicon	6
		Boron	70
	1.7	Sulphated Ash	1,1
	1.8	TAN	2,4
	1.9	TBN	10,1
	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
Foaming Seq4		50/0	
1.12	CCS	5765@-30	
1.13	CCS	5765@-30	
1.14	Pumping limit T* (MRV)	19500@-40	

Lab performance (continued)	1.15	Density	844
	1.16	Open-vessel flash point	218
	1.17	Pour point	-45
	1.18	Copper corrosion	1a
	1.19	Anti-wear properties	0,4
	1.20	De-airing	29
	1.21	Water content	0,04
	1.22	Base oil type & ratio	CONFIDENTIAL
	1.23	TOC	Classe2
	1.24	MCT	7,6
	1.25	Auto-ignition T*	345

ACEA Engine tests performance	2.1	TUSJP 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	-
	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)	12.05.2015
	Sample delivery (dd/mm/yyyy)	12.09.2013
Certificate	Certificate serial number	RN0710-13-57
	Delivered on (dd/mm/yyyy)	18/06/2015
	Valid till (dd/mm/yyyy)	18/06/2019
	Letter ref (NDS)	68150-2015-160

Renault: Date, Name, Signature

18/06/2015

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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.

R&D Director

Dr. Andrey Sterkhov
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