



Renault RN710 certificate



Identification	Supplier	OOO "LLK-International"
	Product name	LUKOIL LUXE Synthetic confidential
	ACEA	A3 / B4-08
	1.1 Grade	5W-40

Lab performance	1.2	Shear stability	13,30
	1.3	HTHS	3,70
	1.4	Kinematic viscosity (40°C)	82,8
		Kinematic viscosity (100°C)	13,80
	1.5	Noack	10,2
	1.6	Calcium	2700
		Zinc	1050
		Magnesium	0
		Sulphur	0,20
		Phosphorus	950
		Chlorine	10
		Molybdenum	0
		Barium	0
		Silicon	5
Boron	70		
1.7	Sulphated Ash	1,1	
1.8	TAN	2,6	
1.9	TBN	10,1	
1.10	RE1 - FPM	PASS (AK6)	
	RE2/99 - ACM	PASS (ACM)	
	RE3/04 - VMQ	PASS	
	RE4 - NBR	PASS (NBR34)	
	AEM - VAMAC	PASS (AEM)	
1.11	Foaming Seq1	0 - 0	
	Foaming Seq2	10 - 0	
	Foaming Seq3	0 - 0	
1.12	Foaming Seq4	30 - 0	
1.13	CCS	5780	
1.14	Pumping limit T* (MRV)	29300 @ -35	

Lab performance (continued)	1.15	Density	852
	1.16	Open-vessel flash point	228
	1.17	Pour point	-39
	1.18	Copper corrosion	1a
	1.19	Anti-wear properties	0,47
	1.20	De-icing	25
	1.21	Water content	<0,04
	1.22	Base oil type & ratio	confidential
	1.23	TOC	Classe 2
	1.24	MCT	9,3
	1.25	Auto-ignition I*	358

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 stoking	Pass

LLR	3.1	Renault LLR	-
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Renault Registration Data (to be filled by Renault's delegate only)		
Registration	Final Technical data (dd/mm/yyyy)	31.05.2010
	Sample delivery (dd/mm/yyyy)	31.05.2010
Certificate	Certificate serial number	RN0710-10-25
	Delivered on (dd/mm/yyyy)	29.06.2010
	Valid till (dd/mm/yyyy)	29.06.2015
	Letter ref (NDS)	68150-10-10000

Renault: Date, Name, Signature

29/06/2010

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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 (post-agreement process) testing facilities.

16.06.2010

Deputy General Director for Production, Research & Development
 Mr. Alexey Elipov