

### Renault RN710 certificate

<b>Identification</b>	Supplier	ATLANTIC Lubes	
	Product name	Super Synthec SAE 5w-40 API SN	
		LBB-014767-A	
	ACEA	A3B4-12	
1.1	Grade	5w40	

<b>Lab performance</b>	1.2	Shear stability	12.80
	1.3	HTHS	4.00
	1.4	Kinematic viscosity (40°C)	83.5
		Kinematic viscosity (100°C)	14.10
	1.5	Noack	12.2
	1.6	Calcium	3020
		Zinc	1160
		Magnesium	0
		Sulphur	0.41
		Phosphorus	1020
		Chlorine	9
		Molybdenum	49
		Barium	0
	1.7	Silicon	5
Boron		0	
1.8	Sulphated Ash	1.2	
1.9	TAN	3	
1.10	TBN	10.1	
	RE1 - FFM	PASS	
	RE299 - ACM	PASS	
	RE304 - VMQ	PASS	
	RE4 - HBR	PASS	
1.11	ADM - VAMAC	PASS	
	Foaming Seq1	00	
	Foaming Seq2	200	
	Foaming Seq3	00	
1.12	Foaming Seq4	300	
1.13	CCS	5910@30	
1.14	Pumping limit T* (MRV)	27200@35	

<b>Lab performance (continued)</b>	1.15	Density	855
	1.16	Open-vessel flash point	226
	1.17	Pour point	-45
	1.18	Copper corrosion	1a
	1.19	Anti-wear properties	0.47
	1.20	De-ashing	24.3
	1.21	Water content	0.03
	1.22	Base oil type & ratio	100% Gp II
	1.23	TOC	Classed
	1.24	MCT	7
	1.25	Auto-ignition T*	330

<b>ACEA Engine tests performance</b>	2.1	TUSJP high temperature deposits	Pass
	2.2	Seq VG low temperature sludge	Pass
	2.3	TUSM cam wear	Pass
	2.4	M111 black sludge	Pass
	2.5	M111 fuel economy	1.2
	2.6	DV4TD dispersivity	Pass
	2.7	DM66 viscosity stability et oil consumption	Pass
	2.8	VM Di piston cleanliness & ring sticking	Pass

<b>LLR</b>	3.1	Renault LLR	NR
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Renault Registration Data (to be filled by Renault's delegate only)		
Registration	Final Technical data (ddmm/yyyy)	7/8/2014
	Sample delivery (ddmm/yyyy)	8/22/2014
Certificate	Certificate serial number	RN0710-14-47
	Delivered on (ddmm/yyyy)	06/10/2014
	Valid till (ddmm/yyyy)	06/10/2018
	Letter ref (NDS)	68150-2014-398

Renault: Date, Name, Signature

06/10/2014

Jean-Michel TRICHA  
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 Fax : 01.76.89.00

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

20-09-14

AHAMMED JAVADEEN



### Renault RN710 certificate

<b>Identification</b>	Supplier	ATLANTIC Lubes	
	Product name	Super Synthec SAE 5w-30 API SL/CF	
		LBB-14877-D	
	ACEA	A3B4-12	
	1.1 Grade	5w30	

<b>Lab performance</b>	1.2	Shear stability	10.82
	1.3	HTHS	3.80
	1.4	Kinematic viscosity (40°C)	70.5
		Kinematic viscosity (100°C)	11.93
	1.5	Noack	11.5
	1.6	Calcium	3090
		Zinc	1170
		Magnesium	0
		Sulphur	0.44
		Phosphorus	985
		Chromium	6
		Molybdenum	42
		Barium	0
		Silicon	0
	Boron	1	
	1.7	Substant Ash	1.25
	1.8	TAN	3.3
	1.9	TBN	10
	1.10	RE1 - FPM	PASS
		RE299 - ACM	PASS
RE304 - VMQ		PASS	
RE4 - NBR		PASS	
AEM - VAMAC		PASS	
1.11	Foaming Seq1	00	
	Foaming Seq2	200	
	Foaming Seq3	00	
	Foaming Seq4	900	
1.13	CCS	6250@30	
1.14	Pumping limit T* (MPa)	22500@35	

<b>Lab performance (continued)</b>	1.15	Density	860
	1.16	Open-vessel flash point	224
	1.17	Four point	-45
	1.18	Copper corrosion	1a
	1.19	Anti-wear properties	0.49
	1.20	De-sulph	27.2
	1.21	Water content	0.03
	1.22	Base oil type & ratio	100% Op II
	1.23	TOC	Classe2
	1.24	MCT	6.8
	1.25	Auto-ignition T*	338

<b>ACEA Engine tests performance</b>	2.1	TUSiF high temperature deposits	Pass
	2.2	Seq VG low temperature sludge	Pass
	2.3	TUSM cam wear	Pass
	2.4	M111 black sludge	Pass
	2.5	M111 fuel economy	1.2
	2.6	DV4TD dispersivity	Pass
	2.7	DM646 viscosity stability & oil consumption	Pass
	2.8	VW Di piston cleanliness & ring sticking	Pass

<b>LLR</b>	3.1	Renault LLR	NR
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<b>Renault Registration Data (to be filled by Renault's delegate only)</b>		
<b>Registration</b>	Field Technical data (dd/mm/yyyy)	7/8/2014
	Sample delivery (dd/mm/yyyy)	8/22/2014
<b>Certificate</b>	Certificate serial number	RN0710-14-48
	Delivered on (dd/mm/yyyy)	06/10/2014
	Valid till (dd/mm/yyyy)	06/10/2018
	Letter ref (RDS)	6B150-2014-398

Renault: Date, Name, Signature

06/10/2014

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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.

20-09-14  
 AHAMMED JAVADEEN

