

Renault RN700 certificate

Identification	Supplier	SK Lubricants
	Product name	ZIC X9 5W-30
	ACEA	A3/B4-12
	Grade	5w-30

Lab performance	1.2	Shear stability	11.90
	1.3	HTHS	3.60
	1.4	Kinematic viscosity (40°C)	70.6
		Kinematic viscosity (100°C)	12.10
	1.5	Flash	9.0
		Calcium	2887
		Zinc	1051
		Magnesium	0
		Sulphur	0.21
	1.8	Phosphorus	0.58
		Chlorine	10
		Molybdenum	0
		Barium	0
		Silicon	6
Baron		70	
1.7	Sulphated Ash	1.1	
1.8	TAN	2.4	
1.9	TBN	10	
1.10	RE1 - FPM	PASS	
	RE2/9 - ACM	PASS	
	RE3/4 - VMO	PASS	
	RE4 - NBR	PASS	
	AE1 - VMAC	PASS	
1.11	Foaming Seq1	0/0	
	Foaming Seq2	10/0	
	Foaming Seq3	0/0	
1.12	Foaming Seq4	20/0	
1.13	GCS	6190±30	
1.14	Pumping limit T* (MRV)	26000±35	

Lab performance (Renault)	1.15	Density	853
	1.16	Open-veed flash point	228
	1.17	Pour point	-42
	1.18	Copper corrosion	1a
	1.19	Anti-wear properties	0.4
	1.20	De-icing	21
	1.21	Water content	< 0.04
	1.22	Base oil type & ratio	100 % Gp III
	1.23	TDC	Class#2
	1.24	MCT	9.8 / 250°C
	1.25	Auto-ignition T*	330

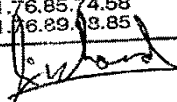
ACEA Highload (Renault)	2.1	TUSAP high temperature sludge	Pass
	2.2	Seq VO low temperature sludge	Pass
	2.3	TUSM cam wear	Pass
	2.4	M111 black sludge	Pass
	2.5	M111 fuel economy	NA
	2.6	DV4TD dispersibility	Pass
	2.7	QMS48 viscosity stability at oil consumption	Pass
	2.8	VR DI piston cleanliness & ring 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)	2015-05-19
	Sample delivery (dd/mm/yyyy)	2015-05-19
Certificate	Certificate serial number	RN0700-15-24
	Delivered on (dd/mm/yyyy)	05/06/2015
	Valid till (dd/mm/yyyy)	05/06/2019
	Letter ref (NDS)	68150-2015-139

Renault: Date, Name, Signature

09/06/2015
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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) test laboratories.

02 June 2015
 Y.M. 2015

