

Renault RN720 certificate

Identification		Supplier	ACCOR Lubrifiants
		Product name	KENNOL ECOLOGY 5W30 C4 (OS230630)
		ACEA	C4-12
	1.1	Grade	5w-30

Lab performance	1.2	Shear stability	11,6
	1.3	HTHS	3,51
	1.4	Kinematic viscosity (40°C)	68,1
		Kinematic viscosity (100°C)	11,6
	1.5	Noack	9,4
	1.6	Calcium	1216
		Zinc	500
		Magnesium	4
		Sulphur	0,19
		Phosphorus	447
		Chlorine	-
		Molybdenum	1
		Barium	<10
		Silicon	7
	1.7	Boron	<10
	1.7	Sulphated Ash	0,4
	1.8	TAN	1,1
	1.9	TBN	7,0
	1.10	RE1 - FPM	Pass (C3-04)
		RE2/99 - ACM	Pass (C3-04)
RE3/04 - VMQ		Pass (C3-04)	
RE4 - NBR		Pass (C3-04)	
AEM - VAMAC		Pass	
1.11	Foaming Seq1	0/0	
	Foaming Seq2	40/0	
	Foaming Seq3	0/0	
1.12	Foaming Seq4	90/0	
1.13	CCS	6150 @ -30	
1.14	Pumping limit T* (MRV)	27600 @ -35	


Lab performance (continued)	1.15	Density	852
	1.16	Open-vessel flash point	210
	1.17	Pour point	-33
	1.18	Copper corrosion	1a
	1.19	Anti-wear properties	0,43
	1.20	De-airing	29,5
	1.21	Water content	<0,04
	1.22	Base oil type & ratio	100% Gr III
	1.23	TOC	Classe 3
	1.24	MCT	8,5
	1.25	Auto-ignition T*	362

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	1,5
	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	Pass
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Renault Registration Data (to be filled by Renault's delegate only)		
Registration	Final Technical data (dd/mm/yyyy)	18/11/2015
	Sample delivery (dd/mm/yyyy)	22/04/2008
Certificate	Certificate serial number	RN0720-08-16
	Delivered on (dd/mm/yyyy)	22/02/2016
	Valid till (dd/mm/yyyy)	22/02/2020
	Letter ref (NDS)	68150-2015-288

Renault: Date, Name, Signature

18/03/2016
DUMONT


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.


Lubrifiants
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18.02.16 E. AUBAULT 