



Renault RN720 certificate

Identification	1.01	Supplier	Champion Chemicals N.V.
		Formula name	CHAMPION OEM SPECIFIC 5W30 C4
			65608
		ACEA	C4-21
		Grade	5W-30

Lab performance	1.02	Shear stability	11.9
	1.03	HTHS (150°C)	3.5
	1.04	HTHS (100°C)	7.7
	1.05	Kinematic viscosity 40°C	71.7
		Kinematic viscosity 100°C	12.0
	1.06	Noack	8.9
	1.07	Calcium	0
		Zinc	545
		Magnesium	944
		Sulphur	0.14
		Phosphorus	505
		Chlorine	16
		Molybdenum	0
		Barium	0
		Silicon	5
		Boron	66
	1.08	Sulphated Ash	0.49
	1.09	TAN	1.3
	1.10	TBN	8.8
	1.11	RE6 - FKM	PASS
		RE7 - ACM	PASS
		RE8 - HNBR	PASS
		RE9 - AEM	PASS
	1.12	Foaming Seq1	0/0
		Foaming Seq2	0/0
		Foaming Seq3	0/0
	1.13	Foaming Seq4	100/0
	1.14	Low temperature Cranking viscosity (CCS)	5720 @ -30°C
	1.15	Low temperature Pumping viscosity (MRV)	22400 @ -35°C

Lab performance (continued)	1.16	Density	850
	1.17	Open-vessel flash point	244
	1.18	Pour point	-39
	1.19	Copper corrosion	1a
	1.20	Anti-wear properties	0.5
	1.21	De-airing	19
	1.22	Water content, %	<0.04
	1.23	Water conten, ppm	78
	1.24	Base oil type & ratio	100% Gr.III
	1.25	TOC	Class 3
	1.26	MCT	7.7 / 257
	1.27	Oil oxidation with Biodiesel	PASS
ACEA Engine tests performance	1.28	Low temperature Pumping viscosity	22600 @ -35°C
	2.01	EP6CDT high temperature deposits	PASS
	2.02	Sequence VH low temperature sludge	PASS (Seq. VG)
	2.03	Valvetrain Wear Seq. IVB	PASS (Seq. IVA)
	2.04	M271 EVO black sludge	PASS (M271)
	2.05	M111 fuel economy	1.3
	2.06	DV6C dispersivity	PASS
	2.07	VW TDI piston cleanliness & ring sticking	PASS (VW TDI2)

LLR	2.08	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)	08.03.2024
	Sample delivery (dd/mm/yyyy)	27.04.2020
Certificate	Certificate serial number	RN720-24-06
	Delivered on (dd/mm/yyyy)	15.04.2024
	Valid till (dd/mm/yyyy)	06.05.2028
	Letter reference	REPMA-RTR-PF-2024-00033708-ALL-RN-After-sales

Renault: Date, Name, Signature	
15.04.2024	Gabriel Alexandru SERBAN

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.	
08/03/2024	Katleen Adriaenssens