INDEPENDENT

## **BATTERY CERTIFICATE**



CERTIFICATE NUMBER: CEF8D021-5F68-419B-BB6D-99E3B4231228

VEHICLE

**BRAND:** Volvo

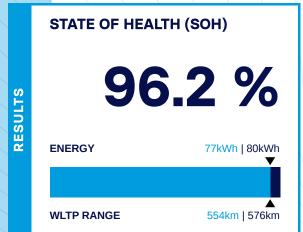
MODEL: XC40 Recharge - 82 kWh

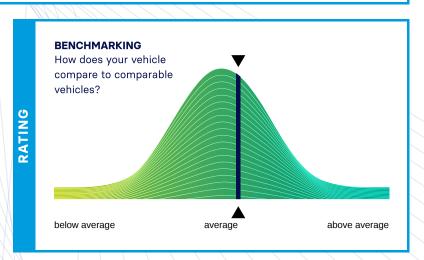
MILEAGE: 74,765 km

VIN: YV1XZEHR6R2275971

**DATE AND TIME:** 26.11.2025, 07:38:20

**EXECUTED BY:** Carla AB





Battery Management System (BMS)

Battery Sensor

Battery Measurements

Battery Cell Voltages

Vehicle Communication



EVALUATION

## **EXCELLENT HEALTH - NO ABNORMALITIES DETECTED**

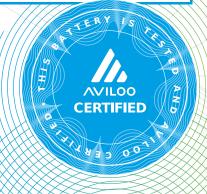
Based on the detailed battery diagnostics performed with the AVILOO FLASH Test, we hereby certify that the drive battery of this vehicle is in excellent condition.

The drive battery is therefore officially AVILOO Certified.

Morans Reiser

Dr. Marcus Berger, CEO





3₹		Gross	Net (Nominal)	Usable
ENERGY	Current:	78.8kWh	76.9kWh	75.0kWh
N	New:	82.0kWh	80.0kWh	78.0kWh

u		WLTP	Typical	Individual
RANGE	Current:	466-554km	393km	453km
¥	New:	485-576km	409km	471km

OL	AVILOO Box connected.	07:38:17
00.	FLASH Test started.	<b>~</b>
ROT	Vehicle detected.	<b>✓</b>
EXECUTION PROTOCOL	Starting data acquisition.	<b>✓</b>
9	Finished data acquisition.	<b>✓</b>
O.O.	Analyzing data.	<b>✓</b>
EXE	Analysis completed.	<b>✓</b>

Voltage Sensor	~
Current Sensor	~
Temperature Sensors	<u> </u>
Cell Voltage Sensors	~

		Value	Status
	BMS State of Charge (SoC)*:	57%	
BMS	SoC calculation accuracy:		~
B	BMS State of Health (SoH)*:	96%	
	SoH calculation accuracy:		<b>~</b>

	Min	Max	Delta	Status
Battery Temperature	8.6°C	10.9°C	2.3°C	~
Cell Voltage	3.866V	3.880V	14mV	~
Pack Voltage	418.5V			
Average Current	-4.7A			

_		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
A	1 - 20	3.869	3.873	3.871	3.872	3.867	3.868	3.869	3.869	3.868	3.869	3.869	3.867	3.873	3.870	3.874	3.875	3.880	3.867	3.866	3.868
SRA	21 - 40	3.877	3.874	3.877	3.876	3.874	3.877	3.876	3.877	3.880	3.878	3.878	3.871	3.875	3.876	3.878	3.874	3.870	3.879	3.873	3.873
DIAG	41 - 60	3.878	3.873	3.873	3.873	3.872	3.877	3.879	3.877	3.876	3.880	3.877	3.875	3.872	3.874	3.875	3.875	3.878	3.879	3.875	3.873
<u> </u>	61 - 80	3.878	3.877	3.875	3.876	3.878	3.877	3.872	3.873	3.878	3.877	3.875	3.877	3.877	3.872	3.876	3.874	3.874	3.873	3.877	3.876
(C)	81 - 100	3.875	3.873	3.876	3.874	3.874	3.871	3.870	3.874	3.877	3.873	3.879	3.874	3.872	3.871	3.876	3.876	3.876	3.868	3.879	3.873
O E	101 - 108	3.874	3.878	3.876	3.875	3.876	3.876	3.877	3.876	/	/	/	/	/	/	/	/	/	/	/	/
CELL VOLTA	MIN 3.8	366 3.8	68 3.86	69 3.87	1 3.873	3.875 AVEF		3.878	3.880	мах											

SENSORS

<sup>\*</sup>The values shown here were not calculated by AVILOO but correspond to the values read out from the battery management system (BMS) and were calculated by the manufacturer. AVILOO therefore assumes no liability for their accuracy.