

INDEPENDENT BATTERY CERTIFICATE



CERTIFICATE NUMBER: 32A65633-0DAD-465F-A4D9-E4FCC2E3DA41

VEHICLE

BRAND: Volvo
MODEL: C40 Recharge - 69 kWh

MILEAGE: 52,273 km
VIN: YV1XKEFV2P2030988
DATE AND TIME:
07.10.2025, 12:45:42

EXECUTED BY: Carla AB

RESULTS

STATE OF HEALTH (SOH)

96.1 %

ENERGY

64kWh | 67kWh



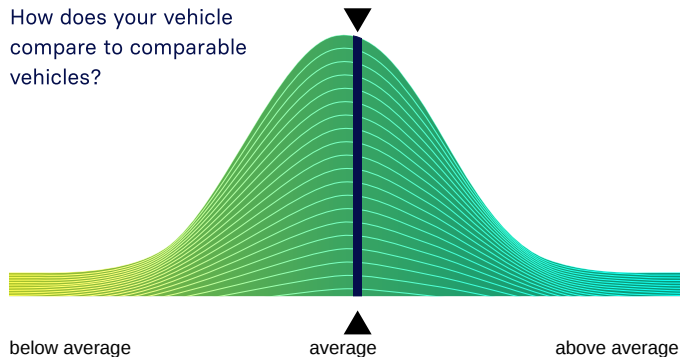
WLTP RANGE

468km | 487km

RATING

BENCHMARKING

How does your vehicle compare to comparable vehicles?



CHECKS

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.

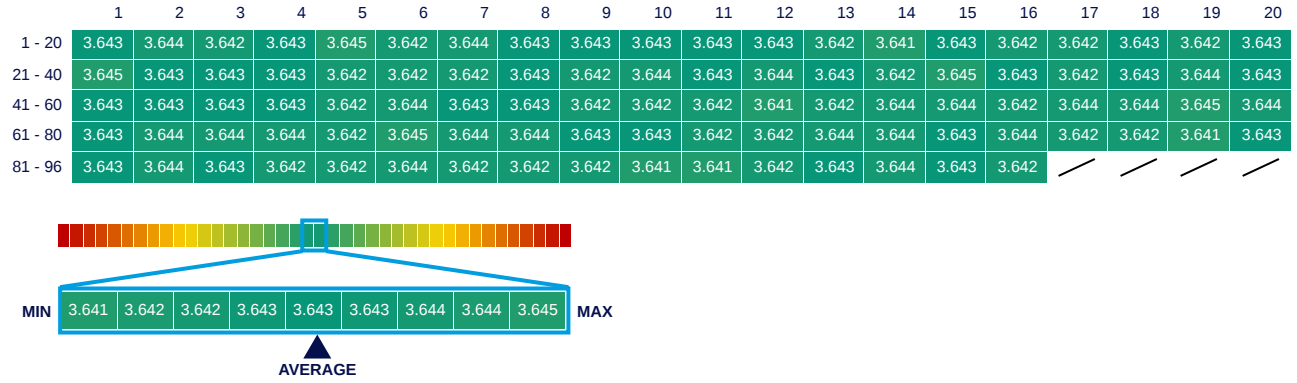
The drive battery is therefore officially AVILOO Certified.

Marcus Berger

Dr. Marcus Berger, CEO



CELL VOLTAGES DIAGRAM



EXECUTION PROTOCOL

AVILOO Box connected.	12:45:38
FLASH Test started.	✓
Vehicle detected.	✓
Starting data acquisition.	✓
Finished data acquisition.	✓
Analyzing data.	✓
Analysis completed.	✓

RANGE

WLTP	Typical	Individual
Current: 414-468km	325km	280km
New: 431-487km	338km	291km

ENERGY

Gross	Net (Nominal)	Usable
Current: 66.3kWh	64.4kWh	61.8kWh
New: 69.0kWh	67.0kWh	64.3kWh

MEASUREMENTS

	Min	Max	Delta	Status
Battery Temperature	16.6°C	17.7°C	1.1°C	✓
Cell Voltage	3.641V	3.645V	4mV	✓
Pack Voltage	349.8V			
Average Current	-7.6A			

BMS

	Value	Status
BMS State of Charge (SoC)*:	33%	
SoC calculation accuracy:		✓
BMS State of Health (SoH)*:	96%	
SoH calculation accuracy:		✓

SENSORS

Voltage Sensor	✓
Current Sensor	✓
Temperature Sensors	✓
Cell Voltage Sensors	✓