INDEPENDENT

BATTERY CERTIFICATE



CERTIFICATE NUMBER: E3F0A053-0BCD-4A36-BB1D-B6034FA512E2

VEHICLE

BRAND: Volvo

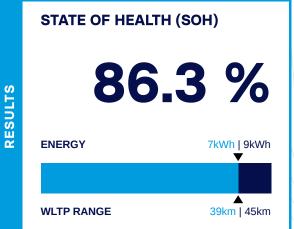
MODEL: XC40 T4/T5 - 10,7 kWh

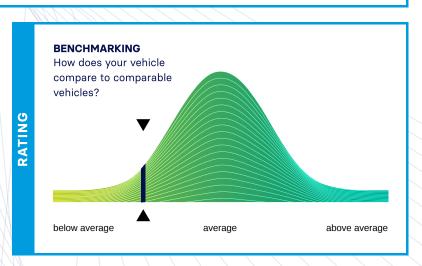
MILEAGE: 56,057 km

VIN: YV1XZBWVFM2458840

DATE AND TIME: 05.08.2025, 13:49:06

EXECUTED BY: Carla AB





Battery Management System (BMS)

Battery Sensor

Battery Measurements

Battery Cell Voltages

Vehicle Communication



EVALUATION

FAIR 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 fair condition.

The drive battery is therefore officially AVILOO Certified.

horas Reiser

Dr. Marcus Berger, CEO





CELL VOLTAGES DIAGRAM

| | | Gross | Net (Nominal) | Usable |
|--------|----------|---------|---------------|--------|
| PINERG | Current: | 9.2kWh | 7.3kWh | 7.3kWh |
| | New: | 10.7kWh | 8.5kWh | 8.5kWh |

| w W | | WLTP | Typical |
|--------|----------|---------|---------|
| RANGE | Current: | 36-39km | 29km |
| R/ | New: | 42-45km | 33km |

| 70 | AVILOO Box connected. | 13:49:02 |
|-----------|----------------------------|----------|
| 00 | FLASH Test started. | ~ |
| PROTOCOL | Vehicle detected. | ✓ |
| | Starting data acquisition. | ✓ |
| EXECUTION | Finished data acquisition. | ✓ |
| CUJ | Analyzing data. | ✓ |
| IXE | Analysis completed. | ✓ |
| | | |

| ~ |
|----------|
| ~ |
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| |

| | | Value | Status |
|------------------|-----------------------------|-------|----------|
| | BMS State of Charge (SoC)*: | 0% | |
| B B S E | SoC calculation accuracy: | | ~ |
| Δ. | BMS State of Health (SoH)*: | 87% | |
| | SoH calculation accuracy: | | ✓ |
| | | | |

| | Min | Max | Delta | Statu |
|---------------------|--------|--------|-------|-------|
| Battery Temperature | 24.5°C | 25.0°C | 0.5°C | ~ |
| Cell Voltage | 3.475V | 3.483V | 8mV | ~ |
| Pack Voltage | 313.2V | | | |
| Average Current | 2.8A | | | |

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1 - 20 | 3.475 | 3.479 | 3.480 | 3.480 | 3.480 | 3.480 | 3.479 | 3.479 | 3.479 | 3.483 | 3.482 | 3.482 | 3.482 | 3.482 | 3.482 | 3.481 | 3.480 | 3.481 | 3.480 | 3.481 |
| 21 - 40 | 3.481 | 3.481 | 3.481 | 3.480 | 3.481 | 3.482 | 3.481 | 3.478 | 3.482 | 3.482 | 3.481 | 3.482 | 3.482 | 3.480 | 3.482 | 3.482 | 3.482 | 3.482 | 3.481 | 3.481 |
| 41 - 60 | 3.482 | 3.482 | 3.480 | 3.482 | 3.481 | 3.482 | 3.482 | 3.480 | 3.482 | 3.482 | 3.481 | 3.481 | 3.481 | 3.481 | 3.480 | 3.481 | 3.480 | 3.480 | 3.481 | 3.480 |
| 61 - 80 | 3.480 | 3.480 | 3.480 | 3.481 | 3.483 | 3.482 | 3.482 | 3.481 | 3.480 | 3.480 | 3.480 | 3.480 | 3.482 | 3.480 | 3.481 | 3.481 | 3.482 | 3.482 | 3.480 | 3.482 |
| 81 - 90 | 3.482 | 3.482 | 3.482 | 3.482 | 3.483 | 3.481 | 3.480 | 3.480 | 3.481 | 3.482 | / | / | / | / | / | / | / | / | / | / |
| MIN 3.475 3.476 3.477 3.478 3.479 3.480 3.481 3.482 3.483 MAX AVERAGE | | | | | | | | | | | | | | | | | | | | |

SENSORS

^{*}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.