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connect to detect.

REMARKETING WITH AVILOO

5

REMARKETING WITH AVILOO

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Successful remarketing of electric cars & plug-in-hybrids with the AVILOO FLASH Test

WHAT DOES THE AVILOO FLASH TEST REPORT SAY?
SAMPLE VIEW OF THE REPORT:

AVILOO
BATTERY DIAGNOSTICS

FLASH TEST REPORT

Execution

State of charge	100 %
Date	29/08/2023 13:50:48
Executed by	[redacted]

Vehicle

Brand	Nissan
Model	Leaf ZE0 - 30 kWh
VIN	
Mileage	108,472 km

Analysis Result

AVILOO SCORE 73 / 100

High voltage battery usage and history Analysis of charging & driving behavior	51 / 70
High voltage battery performance Analysis of cell voltages and module temperatures.	22 / 30
High voltage battery control unit Check of signals and calculations of the battery management control unit.	✔
Vehicle communication interface Check of communication via the diagnostic interface.	✔

Advantages of the AVILOO FLASH Test in sales

FASTER SALES
Many people interested in used electric cars and plug-in hybrids are unsettled as first-time buyers of electric cars. An AVILOO FLASH Test report gives you security and thereby accelerates your decision-making.

HIGHER SALES PROFIT
Vehicles tested by AVILOO achieve higher sales revenue than vehicles that have not been tested.
The security offered to the customer is worth something to him.

COMPETENCE BUILDING
Car sellers are perceived as competent in the e-mobility sector through the AVILOO FLASH Test Report.

TRUST & CUSTOMER LOYALTY
The AVILOO FLASH Test Report builds trust for end customers. This promotes and strengthens customer loyalty.

CARA-ZERTIFIZIERT
The AVILOO FLASH Test is CARA-certified and meets the high requirements of the Car Remarketing Association Europe.

OVERVIEW OF THE ANALYZED VALUES:

AVILOO SCORE
The manufacturer-independent AVILOO Score is based on a variety of test data and is a combination of current measured values and historical data. Total energy consumption, the number of charging and full cycles, driving behavior, etc. are interpreted by BIG DATA applications and integrated into the AVILOO Score. The higher the score, the better the battery condition. If substantial risks are identified, the FLASH test provides a “Red Flag” report with specific information about the type and nature of the abnormality.

BATTERY USAGE
is formed according to the following information: health status read by BMS, average consumption fast charge cycles, normal charge cycles, SoC histogram, DoDHistogram, balancing times, battery full cycles.

HV BATTERY CONDITION
indicates the following irregularities: battery usage, insulation resistance, HV voltage, battery temperature, max. deviation of cell voltages and max. deviation of cell temperatures.

BATTERY CONTROL DEVICE
checks the following aspects: plausibility check, SoC at pack and cell level, SoH at pack and cell level, temperature sensors and cell voltage sensors.

VEHICLE COMMUNICATION
answers the following questions:

- Are all required signals available?
- Are all signals plausible?
- Is the sampling rate of the individual signals correct?
- Does the signal quality meet the requirements?