

TEST PROGRAM: LIFE CYCLE TEST

Objective:

This test is used to determine the total life by the number of cycles. Then the result is evaluated whether the battery meets the standard life for its chemistry.

Procedure and Standard:

The battery is charged and discharged continuously until the tested battery capacity fails to reach target capacity. At the end of the test, the tested battery is no longer usable as it has met its end of cycle life.

Equipment:

Cadex C7x00



Cadex C8000

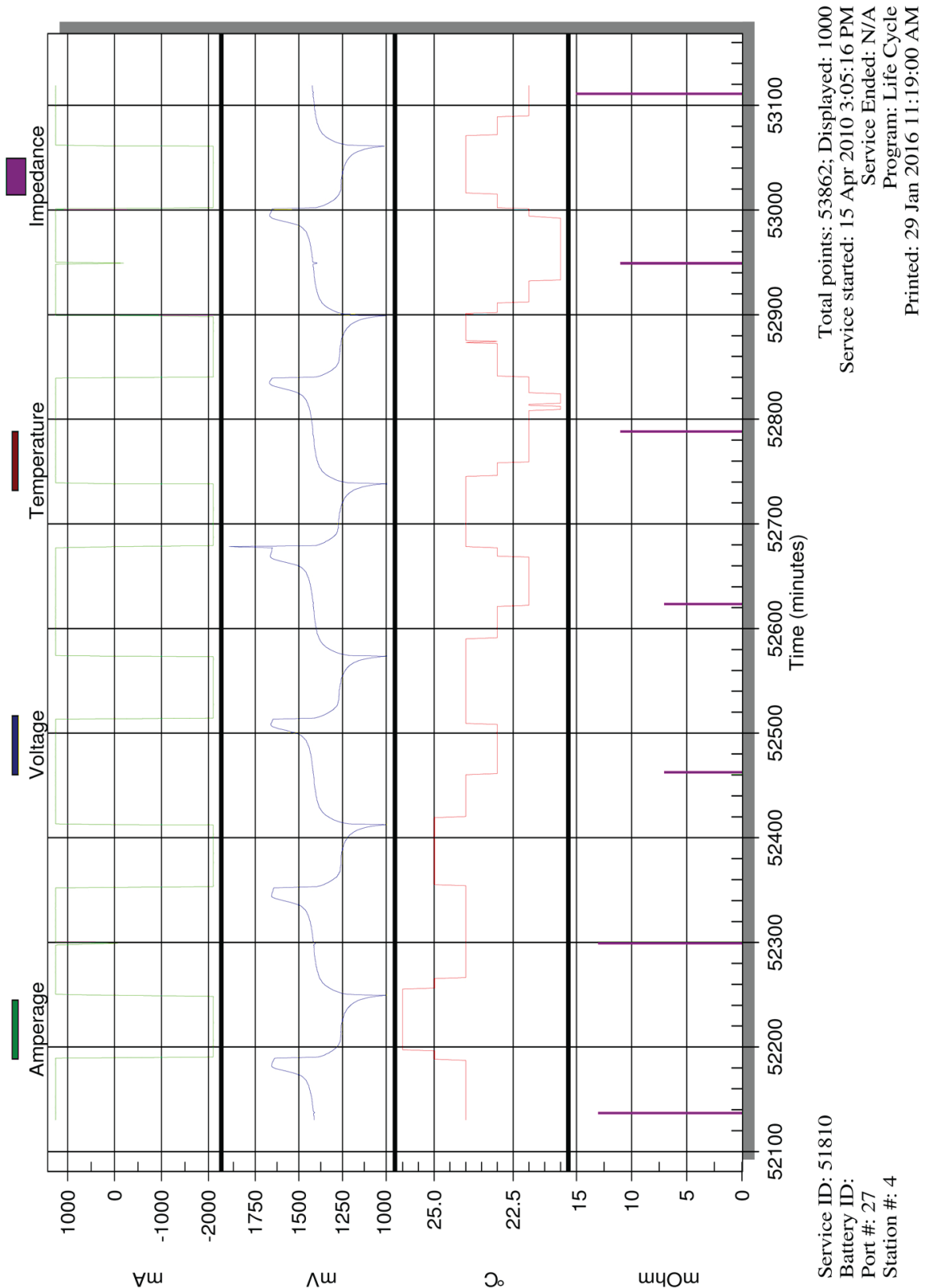


Result Sample:

Detailed display (Fig. 1) shows percentage capacity for the first cycle and last three cycles run, as well as cell voltage, test currents, battery temperature and duration of service. In addition, the capacity vs. cycle (Fig. 2) can be plotted along with Cadex impedance test results. The duration of this test is at least one month.

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Figure 1:



Service ID: 51810
 Battery ID:
 Port #: 27
 Station #: 4

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Figure 2:

