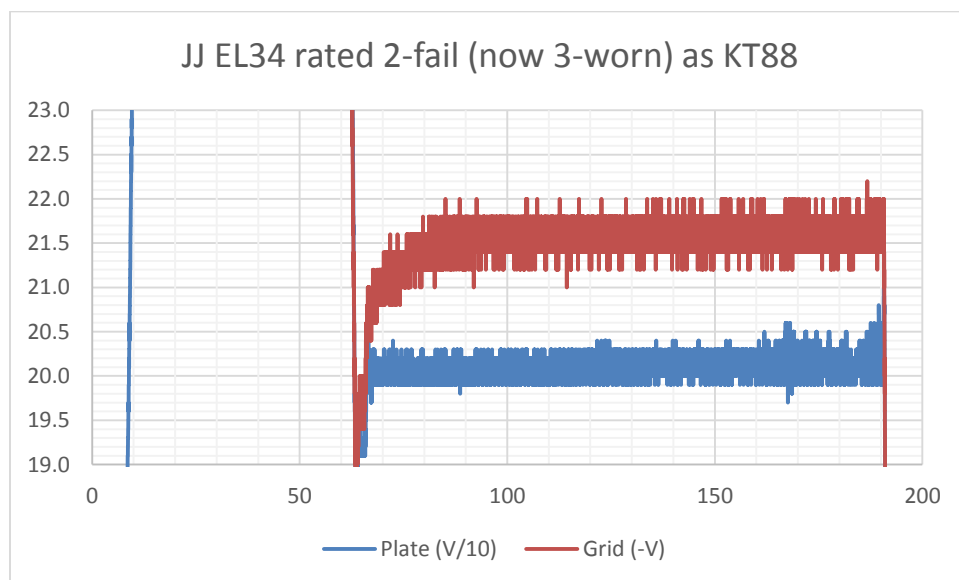
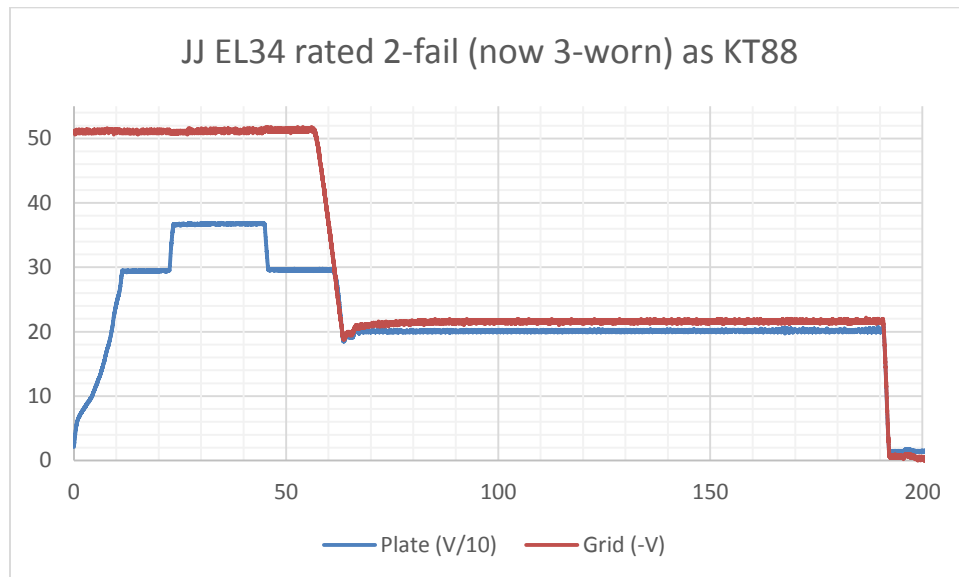


11. The following charts show “KT88” test data on the same EL34. It rated “Fail-2” without probes attached and “Worn-3” with the 10 M Ω test probes connected between the cathode and the plate and grid. After stabilization, the plate and screen currents were 14.2 mA and 2.16 mA respectively and the cathode voltage (with respect to the low side of the 19V power supply) was 954 mV.



12. Power tubes are apparently rated solely on the selected tube type and the grid voltage required to establish and maintain ~ 19 mA of cathode current. The following data charts show the impact of placing a 100 Ω resistor between the EL34’s cathode and the low side of the power supply (to increase the cathode current to ~30 mA. The resulting stabilized plate and screen currents were 23.6 mA and 5.2 mA respectively and cathode voltage was 1.001 V.