Experiment 4 - Rankine Cycle

Data Sheet

1. Initial volume of water in the boiler :_____
2. Steady state run start time :_____
3. Water level in the sight glass when the steady state run started :_____
4. Scan count when steady state run started :_____
5. Steady state run stop time :_____
6. Water level in the sight glass when the steady state run ended :_____
7. Scan count when the steady state run ended :_____
   Wait for the system to COOL !
8. Atmospheric pressure :_____
9. During the steady state portion of the test, note the range of values you observe for the following parameters (these will be used to compare to the values saved by the program)
   (a) Fuel flow rate :_____
   (b) Boiler pressure :_____
   (c) Boiler Temperature :_____
   (d) Turbine inlet pressure :_____
   (e) Turbine outlet pressure :_____
   (f) Turbine inlet temperature :_____
   (g) Turbine outlet temperature :_____
   (h) Voltmeter reading :_____
   (i) Ammeter reading :_____
10. Volume of water collected from the condenser :_____
11. Volume of water used for steady state run :_____

The student has performed the experiment satisfactorily and has cleaned the work area properly.

_____ _____

TA Signature Date