BTC Automotive Technology
Job Sheet: EPQ – Ignition Oscilloscope Exercise

**Objective:** To become familiar with analyzing ignition scope patterns.

**Procedure:** Hook up ignition analyzer and record readings below.

**Vehicle:**

- Record average firing line KV. __________
- Are they relatively even? YES or NO
- Record average length of spark line. ________ mS
- Record condition of spark line. (flat/angled, turbulence, etc…)
  ______________________________________________________

- Record the number of intermediate oscillations. __________
- Record the dwell at idle as shown on the scope. _____________
- Record the dwell at 2000 RPM as shown on the scope. _________
- Snap accelerate the engine.
- Record average firing KV during snap. __________
- Are they relatively even? YES or NO