

## Analog Card Procedure

The following is a procedure to determine if the Analog Card that sends the signal to the Variable Speed drive is working correctly.

1. Start the machine in a formula.
2. Press the 5 Key while the machine is running and record the Analog out number.
3. Multiply the Analog out number by 10 and divide by 4095. For example Analog Out Number – 562 x 10 = 5620 / (Divide) = 1.37 .
4. Using your meter put the meter on a D.C. Volt scale and put one lead on terminals 3 & 4 on the Analog card. You should read value of the equation . Using the example above you should read 1.37 volts D.C. at terminals 3 and 4.
5. If you have the required D.C. voltage between terminals 3 & 4 then the Analog card is working correctly. To ensure there is not a problem with the wiring between the Analog card and the Variable Speed drive put your meter on terminals 13 & 17 of the Variable Drive. You should read the same D.C voltage that was on terminals 3 & 4 of the Analog Card. Using the example listed above you should read 1.37 volts D.C. also at terminals 13 & 17.

If the voltages are correct than the problem you are encountering is not a problem with the Analog card. The problem is probably attributed to the Variable Speed drive.