

# Summary Instructions

## Bohlin C-VOR Shear Rheometer

12 January 2009  
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Authorized users only. Contact Dr. Morrison to receive authorization.

1. Sign into the log book
2. Turn on the compressor (Tim Gasperich 487-2841; 30 minutes to pressurize)
3. Turn on the computer
4. Turn on the air bearing to 3.0 bar (30kPa) or verify that it is on.
5. Verify that the thermocouple is correctly plugged in – this is usually ok.
6. Switch on the rheometer test station
7. Initialize the air bearing by pressing and holding the up arrow for 2 seconds.
8. Install the lower tool
9. Install the upper tool – use appropriate caution and care
10. Start up the software
11. Set the correct measuring system
12. Turn on the nitrogen in the lab and set to delivery pressure of 5.0 bar (500 kPa)
13. Close oven and turn on the high-voltage power for the temperature control unit
14. Turn on the temperature control unit (TCU)
15. Bring the tools to the measurement temperature
16. Zero the gap
17. Set the intended gap
18. Insert the sample and bring tools together to the intended gap
19. Program the test
20. Run the test
21. Analyze the data
22. Shut down the instrument