

Meeting – February 8, 2012

- I. Deliverables from Last Week:
 - Matt – Model needs updated to incorporate damping from lattice mounts; small addition should be done soon.
 - Chris – Thermosyphoning model completed
 - Ryan – Mounting hardware modeled and drawn up; testing in ANSYS Workbench this week
 - John – DDR presentation started; found expansion reservoir rated to 145-165 degrees F.
- II. Checked models of mounting hardware
 - a. Bracket for shock can be mounted anywhere on plate
 - b. Want to keep plate as far away from other holes in floor as possible
- III. Discussed thermosyphoning expansion tank.
- IV. 145-165 deg. F should be fine, but higher would be desirable
- V. Found high-temp tanks rated for 225 deg. F from McMaster
 - a. Made of Polycarbonate
 - b. 5" diameter x ~12" tall (64 oz or ½ gallon capacity)
- VI. Matt talked to Dr. Ghoneim about model and LORD lattice mount damping
- VII. Going to work on DDR presentation on Friday
- VIII. Gantt chart for MSD II to be started (hopefully completed) Friday, February 10
- IX. DDR would like to be scheduled for Friday, February 17 (early morning if possible – Ryan and Matt are going out of town that afternoon)
- X. Have agenda email prepared Friday to send out to invite faculty again.
- XI. Deliverables for Friday:
 - Matt – Finish model
 - Chris – Pipe quotes from company here in Rochester
 - Ryan – ANSYS modeling
 - John – Presentation; bracket for expansion tank