MECH690 Weekly Planner Group 1

Turbine Engine Project

Week 4

Week of June 4-June 11 Progress

Accomplishments for the Week

- Obtained a nozzle for the injector as well as a lot of ideas of fuel pumps, ignition
- Obtained a functional turbo unit to utilize in our design
- Acquired a 12v dc motor to turn/run anything we need power steering/oil pump
- Talked to Tony’s boss about getting help and materials for free and access to CNC laser cutter for any/all cutting of steel
- Further research into instrumentation in getting a better understanding of how to build the engine as a whole
- Decided we will try using diesel because of our success in obtaining parts needed for diesel

Week of June 4-June 11 Planning List

- Modeling components such as the turbo / combustion chamber
- Layout and basic configuration of our turbine system
- Meet again during our group meeting to obtain a checkpoint of our design with our professor and certify that we are on schedule

Problems Encountered List problems you have encountered and how you have/will hopefully work them out in the Problems Encountered section

- It took longer than we thought to obtain a turbo because of complications with bearing play with the original we were supposed to get

Member 1 (Jim Ravesi) List work done by this member for the week:
- Weekly email
- Research for utilizing a fuel injection system in order to run diesel fuel
- Part acquirement and research on where to obtain various steel components

Member 2 (Tony Cerquiera) List work done by this member for the week:
- Research for utilizing a fuel injection system in order to run diesel fuel
- Part acquirement and research on where to obtain various steel components

Member 3 (Brandon Berntsen) List work done by this member for the week:
- Part acquirement and research on where to obtain various steel components
- Data acquisition research such as browsing Omega websites