

Minutes Meeting 23/02 – 4GB10 group 7

Location: Home

Tutor: Harm Gilsing

Chairman: Vito

Secretary: Mats

Whiteboard writer: Joey

Start:

- Everybody is present, Agenda and minutes were ok.

Announcements:

- There is a interim presentation coming on 5 March.
- 5 March there will also be a peer review, the chairman should plan in the last half hour for this part.
- For the rest, please prepare well for the peer review.
- Adjust the planning every week!!!

Presentation Thomas

- There are a lot of small remarks on the report
 - Research question, the two have to be combined to 1
 - What is Otto
 - We need a final editor for the report -> Vito
- Presentation was clear and useful
- Tutor says it was a bit long, in general very good

Discussion SSA

- Dolf & Mihai
 - Can we still test the other two fuel blends? We first going to use the information we got from the experiment. This is more important.
 - Please put all the measurements into the report.
 - No angle of the double tooth was given or measured, the tip is to determine this from the data that is given.
 - We have to make data, to get volume to angle, this can easily be used for the further Matlab codes
- Joey
 - There should be really looked into the double tooth and how transfer the volt output into volume and pressure. (Follow up Joey's SSA).
 - Maybe there is a connection between the valve timing and the pressure, please look into this.
- Lars
 - Lars has tried to use the theoretical script, he constantly got errors.
 - He advises to implement the simple Matlab codes into the second experiment script.

Determining new SSA's:

- Follow up Joey's SSA. Look to the max or min pressure, and connect that to the pulse sensor. Maybe also look into the 110 degree gap in the camshaft between the in and outlet valves.
 - Look at volume from the crank angle, also how volume doesn't change gradually
 - Atmospheric pressure out op Pt-diagram (valve-timing)
- Alexandra, Lars and Joey
- Final Editor, also use Grammarly
 - Vito
- Make the final presentation, also presenter
 - Mihai
- Put somebody on the assignment from the mail of yesterday
 - Making the summary out of the presentations
- Mats & Vito
- Non-complete combustion
 - Vito
- Improve matlab prediction model
 - Implement simple script into theoretical script, RC should be CR.
 - Make a difference between ideal models and more complex models (with losses)
- Thomas & Dolf
- Dolf gives presentation next meeting

Closure:**Next meeting:**

Chairman: Mats

Secretary: Joey

Board writer: Mihai