**Minutes Meeting 2/03 – 4GB10 group 7**

Opening:

* Everyone is present, except Alexandra which was a little bit late
* No amendments
* SSA’s handed in by everyone on time
* Minutes fine and agenda

Announcements:

* Tutor: info about the final assignment will be announced this week
* Tutor: fill in the tutor evaluation for this week, prepare the peer reviews for Friday
* Have one overview on Friday about the peer review

Presentation Mihai’s:

**Dolf:**

* Presentation fine, presentation is missing a storyline, we have the research questions and we try to answer using this, not too much detail about some technical skills
* Better images instead of just SSA
* Lot of text

**Mats:**

* Word document about improvements

**Alexandra:**

* Good presentation
* Agree with Dolf, bullet points instead of lot of text

**Thomas:**

* [TASK] Make the word document available for everybody
* make a table for slide 7

**Tutor:**

* Presenting skills good level
* Max 7 minutes for presentation
* A bit less focus on the biofuel, not too much detail about it
* Maybe remove slide 4 ???
* Explanation on theoretical model and assumptions made
* Slide 14th mention the fuel used

**Dolf**:

* Explain the theoretical model
* How we use the voltage to get the pressure and volume

The presentation is on Canvas Conferences, it is up to use if we listen to it

Discussion:

**Vito and Dolf experiment:**

* Error in the method we use, sometimes there is extra time due to not stopping the recording before turning of the engine

**Model Mats:**

* A small mistake was made columns and data collected are different pv diagram
* With no fuel, the higher pressure is the TBC (assumption), some research still needs to be done.
* Q: is ok using a filter
* A: it is not necessary to use, the graph is nicer to look at, do not use with calculations
* Q:In canvas it is mention not the take the higher pressure as a TBC
* A: when taking it on an engine without fuel it is okay to take it because there is no extra pressure created from the fuel
* Use code written right now and compare the data for different fuels

**Alexandra SSA:**

* Q: did you derived some equations for yourself
* A: the equations were found on the internet, the citations were not added
* Use the special heat for the calculation but do not know how legitimate are they because the pressure and temperature are not know
* The value obtained offer a good estimation
* The specific heat value are in the NASA dataset
* Q: Can we make a next SSA with combined fuel consumption
* Not really related but we can use them in the report
* Think how to implement it in the report
* Q Tutor: Do you take a constant value for the heat?
* A: Better to use the NASA tables in order to calculate the efficiency
* Thomas and Dolf use that, they calculated, they know how to do it.

**Lars:**

* Lars, ask questions on what to do earlier than 9h45 in the evening
* Make an arrangement in the symbols for voltage and volume (they are similar) should be changed in the symbol list
* Keep the symbol the same, but mention which s which
* Maybe mention u as voltage ???
* Equation 5 missed one bracket
* Use bullet points or write text for the description of variables: Better to explain it as a text, some should be explaining some not; explain the variables after the first time you use it (\*tutor)

New SSAs:

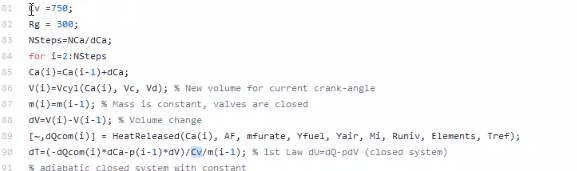
- pv diagram experimental data ***Dolf***

- find double tooth ***Dolf***

- implement NASA tables in the efficiency + write the report: ***Lars & Joey***

- finish presentation: ***Mihai & Alexandra***

**-** implement the loses on the real file (use the CV values, used for mixture, use at the simple theoretical model for how to calculate CV for a mixture, calculate the gas constant): ***Alexandra* :**



- finish chapters in the report :

a) experiment chapter : ***Mats***

b) analysis of the report: ***Thomas***

**c)** Read report: ***Vito***

- gather all peer reviews rubrics for the tutor and the team members: ***Vito***

*Let know Alexandra and Vito for any help with the SSA*

Remarks:

* Keep in mind which PV are best to use
* Skip presentation next week

Feedback:

Feedback:

* Not active in the beginning but active in the chat, you want to do a lot of things
* Tutor: you really want to understand how things works, include the report work in the SSA

**Dolf:**

* Knew a lot about the experiment, on top of things, nice SSA
* Active in the meeting, try to not forget things you plan to do
* Weird units (wrong) in the pressure
* If a plot is show please mention the load and the fuel

**Joey:**

* Structured meeting
* Keep well to the timeline
* Summarize what we want to do in the end
* The SSA was good, in general the SSA are of a good quality
* Tutor: nice agenda, some report works, nice that you included work from previous SSA in the report
* Do you want to include a measurement error check on the report
* Try to elaborate the formula 3 in the report as a report and

**Mats:**

* Nice working with you
* Good comments and questions
* Tutor: not a lot of feedback wroten, the SSA

**Mihai:**

* The presentation made was completely fine but the Sunday deadline was not met
* Tutor: remark not active during the meeting because of

**Alexandra:**

* Tutor Board looks nice
* The discuss started was really goo
* The SSA looked good

**Lars:**

* Try to be more active
* Asking earlier what to do for the SSA earlier
* Tutor: ask earlier for work, nice point about filtering the data, try to think what effects it has on your data

**Thomas:**

* Good SSA, nice that you have a PV diagram
* Nice things mentioned in discussion
* Tutor: I do know hear you so often but when you do it is often on point and coming with good contribution.