**Meeting 4, 4GB10**

**Announcements**

20 pages limited text for final report

Next week Friday (5th of March), deadline for presentation and also peer review in the meeting that day

The chairman needs to save 30 minutes in the meeting for the peer review

**Only use steady state measurements**

**Discussion points**

Report work

-Otto is engineer

-Combine two research questions into one

-Put formulas in Appendix

-Reference to photos

Experiment

-Ignition at 0 degrees

-Look at pictures to determine timings

-Measurement error of 0.01mm

-Position of double tooth is unknown, should be interpret from graphs?

-Depth in table is length of stroke

-110 degrees is angle between crankshaft and something else. This is needed to determine valve timing.

-Valve timing is related to pressure

Data set

-Check atmospheric pressure in Pt-diagram (related to valve timing)

-Not able to get crank angle from pulse sensor voltage output

-It is easy to get volume from crank angle

-Volume change not gradually

Otto and thermal efficiency

-Implement simple script into theoretical script

-Rc should be CR (compression ratio)

Matlab model

-Ideal model without heat losses (basic)

-More complex model with heat losses

Best ethanol to use: Wheat Straw Ethanol.

**New SSA’s**

* Final editor: Vito
* Person who makes the summary and watching all video lectures: Mats + Vito
* Crank angle: Lars
* Atmospheric pressure in Pt: Joey + Alexandra
* Get volume from pulse sensor voltage output: Joey + Alexandra
* Improve Matlab prediction model: Thomas + Dolf
* Non complete combustion: Vito
* Presenter + presentation: Mihai-Dragos

Presentation next meeting: Dolf