Minutes of 9 February 2021

Chairman: Thomas Minute Taker: Dolf Board Writer: Vito

Opening:

- Everyone is present
- No amendments
- SSA's handed in by everyone on time

Announcements:

- Not making any designing an engine
- After the holiday experiments can be done
- Not everyone has to be present, but still a group effort.
- Rubric of report is visible on canvas
- First experiment will be shown in a video
- Necessary parts will be available during second experiments
- No rpc lists required in the report

Presentation Mat's:

- Include a contention page
- Use visual aids
- More enthusiastic story telling.

Discussion:

- RPC lists is not for designing of engine, focus on goals of which we have to achieve this DBL
- Have a DQ in the report introduction, use the question from the manual
- The planning it is okay, and accepted for now. Will need to re-evaluate that.
- See guide how to work with github kraken. (other documents)
- Tutor preffers: to have SSA on canvas no need for the rest to be uploaded to canvas
- We will work in github/giithub kraken for our own documents
- Make planning pdf to hand in for POV
- The QLHV variable need to be defined (stoichiometry and converting units of enthalpies)
- Difficulty with the stoichiometry
- Need to determine pressure from the data.
- PL2 – shows method to determine Enthalpy using NASA tables
- Ask what kind of the sensors if necessary
- Lars was stuck with the SSA, fuel consumption, and prices (research)
- Calculate the correct Cv Cp values for the fuels

New SSAs:

- Introduction + research carburator Lars
- Research fuel (where Lar's left off) Alexandra

- Data Analysis: Mihai-Dragosh + Vito
  - Use given data for p-V Diagram
  - Compute work from this diagram

- Theoretical model Dolf + Thomas
  - QLVH variable
  - C_p and C_v to responds
  - Check Vito's Joey
- What sensors are we actually using and how do they work joey and Mats
  - Drift
  - What do they measured
  - Angle of the encoder
- **Presentation next Time** Vito