SUPERVISOR'S OPINION OF FINAL THESIS

I. IDENTIFICATION DATA

Thesis name:	**Test stand design and automated sequenced implementation**
Author's name:	**Maxime Wach**
Type of thesis :	master
Faculty/Institute:	Faculty of Mechanical Engineering (FME)
Department:	Department of Automotive, Combustion Engine and Railway Engineering
Thesis supervisor:	Gabriela Achtenová
Supervisor's department:	Department of Automotive, Combustion Engine and Railway Engineering

II. EVALUATION OF INDIVIDUAL CRITERIA

Assignment   **challenging**

Evaluation of thesis difficulty of assignment.

The topic is rather challenging. The student should really prove his multidisciplinary. He should provide the technical drawings of the stand, make the choice of the electric absorption units, choice of sensors, ensure the assembly and the electric connections, and program the control algorithm and data acquisition.

Satisfaction of assignment   **fulfilled with major objections**

Assess that handed thesis meets assignment. Present points of assignment that fell short or were extended. Try to assess importance, impact or cause of each shortcoming.

Although I crossed "fulfilled with major objections", I cannot really judge. The report is of very poor quality, so for me it is very hard to see, if the objective was fulfilled or not.

Activity and independence when creating final thesis   **F - failed.**

Assess that student had positive approach, time limits were met, conception was regularly consulted and was well prepared for consultations. Assess student's ability to work independently.

I did not really have contact with Maxime during the creation of his thesis. I requested him to make description of the assignment, which was not really successful process, and I also requested him to send me the report in advance – no response.

Technical level   **D - satisfactory.**

Assess level of thesis specialty, use of knowledge gained by study and by expert literature, use of sources and data gained by experience.

I feel Maxime did a lot of work. The description is of very poor quality, the drawings are far from how a drawing should look like, but the cover page shows the finished stand (at least from the mechanical point of view).

Formal and language level, scope of thesis   **F - failed.**

Assess correctness of usage of formal notation. Assess typographical and language arrangement of thesis.

The report is a good example of how the diploma thesis should not look like. Changes of font, too small figures without axis description, not finished sentences, hard understandable sentences, wrong cross references to figures, etc.

Selection of sources, citation correctness   **F - failed.**

Present your opinion to student's activity when obtaining and using study materials for thesis creation. Characterize selection of sources. Assess that student used all relevant sources. Verify that all used elements are correctly distinguished from own results and thoughts. Assess that citation ethics has not been breached and that all bibliographic citations are complete and in accordance with citation convention and standards.

Just one reference is listed. Although from the text is obvious, that much more references were used.

Additional commentary and evaluation

Present your opinion to achieved primary goals of thesis, e.g. level of theoretical results, level and functionality of technical or software conception, publication performance, experimental dexterity etc.

I have one additional question:
p. 20: is mentioned, that if the differential is blocked, then $N_f = 1$. Please explain.

III. OVERALL EVALUATION, QUESTIONS FOR DEFENSE, CLASSIFICATION SUGGESTION

Summarize thesis aspects that swayed your final evaluation.

The report is of very poo quality. I believe the work Maxime gave to TUCH has the level of engineer work. But a part of an engineer work is also to keep deadlines and write a good technical report.

I evaluate handed thesis with classification grade **F - failed.**

Date: **6.2.2019**   Signature: