

DIPLOMA THESIS EVALUATION

Student's name and surname: Duran Myka Mae Campo

Name of the diploma thesis: Investigation of the Cavitation Aggressiveness Using PVDF Sensors

Supervisor of the thesis: Ing. Miloš Müller, PhD.

1. Diploma thesis evaluation

Evaluation	excellent	excellent minus	very good	very good minus	good	failed
Meeting the goal and fulfilling task of the thesis	X					
Quality of conducted survey	X					
Methodology of solutions		X				
Expert level of the thesis	X					
Merit of the thesis and its potential applicability of results	X					
Formal and graphic level of the thesis	X					
Student's personal approach	X					

Mark x in the corresponding box.

Supervisor's final evaluation is based on his/her overall subjective evaluation.

Grading is stated literally in the article no. 5, neither by a number, nor by a letter.

2. Comments and remarks on diploma thesis:

Quality of conducted survey

In the research part it would have been valuable to present a review of cavitation regimes produced by ultrasonic horn.

Formal and graphic level of the thesis

It is difficult to recognize individual curves in the figures (for example Figure 30, Figure 31).

Methodology of solutions

It would have been valuable to include also the high speed camera records to identify visually the cavitation regimes under the horn. The results are presented for the only one distance between the sample and the horn.

3. Questions about diploma thesis:

In what way will the duration of the cavitation field exposure influence the results of the measurement?

Is there a possibility to use some other calibration technique?

What is the meaning of the cumulative peak rates curves in the region up to 0.1V (for example Figure 31.)?

4. Supervisor's statement on results of the inspection carried out by the anti-plagiarism program in the STAG system:

The anti-plagiarism program in the STAG system indicates 0% of similarities.




5. Supervisor's grading of the diploma thesis:

Excellent

The diploma thesis meets the academic title requirements and I recommend this thesis for defense.

Date: 21.5.2019, in Liberec


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Supervisor's signature

