

## I. IDENTIFICATION DATA

<b>Thesis title:</b>	<b>Development of a method to predict bolt loosening</b>
<b>Author's name:</b>	<b>Thibault DUGAST</b>
<b>Type of thesis :</b>	master
<b>Faculty/Institute:</b>	Faculty of Mechanical Engineering (FME)
<b>Department:</b>	Department of Automotive, Combustion Engine and Railway Engineering.
<b>Thesis reviewer:</b>	Lukas Pacon
<b>Reviewer's department:</b>	Department of Automotive, Combustion Engine and Railway Engineering.

## II. EVALUATION OF INDIVIDUAL CRITERIA

<b>Assignment</b>	<b>ordinarily challenging</b>
<i>How demanding was the assigned project?</i>	
<p>The diploma thesis assignment, while considered ordinarily challenging, presented a balanced level of difficulty that aligned with the expectations of an academic institution. The assignment demanded a thorough understanding of relevant theoretical concepts, robust research skills, and the ability to synthesize complex information into a coherent and well-structured document.</p> <p>Furthermore, the assignment required to demonstrate an aptitude for critical thinking and analytical reasonings. While the task was challenging, it was well-suited to a student at this academic level, and successful completion of the assignment indicated a commendable grasp of the subject matter.</p>	

<b>Fulfilment of assignment</b>	<b>fulfilled</b>
<i>How well does the thesis fulfil the assigned task? Have the primary goals been achieved? Which assigned tasks have been incompletely covered, and which parts of the thesis are overextended? Justify your answer.</i>	
<p>The assigned tasks have been comprehensively covered within the thesis. Mr. Dugast has adeptly navigated through each key component of the assignment, providing an in-depth exploration of the subject matter. The literature review is thorough and establishes a solid theoretical foundation, while the research design showcases a well-considered approach to investigating the research questions. Furthermore, the data collection and analysis are meticulous, and the ensuing discussion and conclusion sections exhibit a keen understanding of the implications of the findings.</p>	

<b>Activity and independence when creating final thesis</b>	<b>A - excellent.</b>
<i>Assess whether the student had a positive approach, whether the time limits were met, whether the conception was regularly consulted and whether the student was well prepared for the consultations. Assess the student's ability to work independently.</i>	
<p>Mr. Dugast displayed a commendable level of independence throughout the creation of the final thesis. He took initiative in conducting literature reviews, designing the research methodology, collecting and analyzing data, and drawing conclusions. This ability to work independently, while seeking guidance when necessary, underscores Mr. Dugast's maturity as a researcher and his capacity to navigate complex academic tasks with confidence.</p>	

<b>Technical level</b>	<b>A - excellent.</b>
<i>Is the thesis technically sound? How well did the student employ expertise in his/her field of study? Does the student explain clearly what he/she has done?</i>	
<p>The application of technical concepts, methods, and tools pertinent to the field of study is executed with precision and accuracy.</p>	

<b>Formal level and language level, scope of thesis</b>	<b>A - excellent.</b>
<i>Are formalisms and notations used properly? Is the thesis organized in a logical way? Is the thesis sufficiently extensive? Is the thesis well-presented? Is the language clear and understandable? Is the English satisfactory?</i>	
<p>Thesis quality is of a high standard, with clear figures, tables, and visual aids that augment the textual content, enhancing the overall readability and impact.</p>	

**Selection of sources, citation correctness****A - excellent.**

*Does the thesis make adequate reference to earlier work on the topic? Was the selection of sources adequate? Is the student's original work clearly distinguished from earlier work in the field? Do the bibliographic citations meet the standards?*

Without objection.

**Additional commentary and evaluation (optional)**

*Comment on the overall quality of the thesis, its novelty and its impact on the field, its strengths and weaknesses, the utility of the solution that is presented, the theoretical/formal level, the student's skillfulness, etc.*

Please insert your comments here.

**III. OVERALL EVALUATION, QUESTIONS FOR THE PRESENTATION AND DEFENSE OF THE THESIS, SUGGESTED GRADE**

*In summary, Mr. Dugast 's thesis has met the assigned task with a commendable level of technical expertise and adequate language clarity. The formalisms and notations are appropriately used, and the logical organization is well-executed.*

*Mr. Dugast demonstrates independence in his work, adhering to time limits and engaging in consultations as necessary. The language is generally clear, and the English proficiency is satisfactory for effective communication.*

*Overall, I am satisfied with the thesis's technical soundness and adherence to requirements. It presents an acceptable level of achievement within its scope*

The grade that I award for the thesis is **A - excellent**.

Date: **16.8.2023**

Signature:

