

I. IDENTIFICATION DATA

Thesis name:	Study and resolution of component deformation in the manufacture of an automotive embedded system
Author's name:	Nils Ros-Jacquier
Type of thesis :	master
Faculty/Institute:	Faculty of Mechanical Engineering (FME)
Department:	Department of Automotive, Combustion Engine and Railway Engineering
Thesis reviewer:	Ing. Josef Kazda
Reviewer's department:	

II. EVALUATION OF INDIVIDUAL CRITERIA

Assignment <i>Evaluation of thesis difficulty of assignment.</i>	challenging
Such process problem EMI shield warpage was quite new in Continental	

Satisfaction of assignment <i>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.</i>	fulfilled
The root causes and mechanisms of the failure were identified. Some solutions were proposed to solve the issues.	

Method of conception <i>Assess that student has chosen correct approach or solution methods.</i>	correct
Mr Ros Jacquier could appropriately take advantage of all the internal know-how, design and FEA tools, analytical methods (lab) to carry out his investigation and project.	

Technical level <i>Assess level of thesis specialty, use of knowledge gained by study and by expert literature, use of sources and data gained by experience.</i>	B - very good.
Mr Ros Jacquier could use a lot of his academical knowledge for this project.	

Formal and language level, scope of thesis <i>Assess correctness of usage of formal notation. Assess typographical and language arrangement of thesis.</i>	A - excellent.
Fluent written English language	

Selection of sources, citation correctness <i>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.</i>	B - very good.
Bibliography and sources were used in an appropriate way	

Additional commentary and evaluation <i>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>	
The project was carried out with a good balance between theory / simulation / experimental approach.	

III. OVERALL EVALUATION, QUESTIONS FOR DEFENSE, CLASSIFICATION SUGGESTION

Summarize thesis aspects that swayed your final evaluation. Please present apt questions which student should answer during defense.

Mr Nils Ros-Jacquier had to conduct a thesis on a challenging problem where he could act partly in autonomous mode and could efficiently drive his actions. Such achievement was not assured at the start of the thesis.

He met the expectations that Continental can request from a Junior process engineer.

My main question to Mr Ros Jacquier during defence would be "what did you miss in your thesis that was not available at that time in Continental and that would have helped you to reach a better or a faster result (lab analysis method, simulation system ...)?"

I evaluate handed thesis with classification grade **B - very good**.

Date: **6.2.2024**

Signature:

APPROUVÉ
Par F. Le Rest , 14:59, 07/02/2024