

I. IDENTIFICATION DATA

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| Thesis title: | Assessment and Comparison of Mathematical Models for Thermal Conductivity and Dynamic Viscosity of Refrigerants Superheated Vapour |
| Author's name: | Monilkumar Nalinkumar DABHI. |
| Type of thesis : | bachelor |
| Faculty/Institute: | Faculty of Mechanical Engineering (FME) |
| Department: | Department of Environmental Engineering |
| Thesis reviewer: | Ing. Vladimír Šulc |
| Reviewer's department: | Department of Environmental Engineering |

II. EVALUATION OF INDIVIDUAL CRITERIA

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| Assignment | challenging |
| <i>How demanding was the assigned project?</i> | |
| The assigned project could be considered as a medium demanding work. Beside understanding of fluids properties, the physical meanings of investigated variables understood, categorized based on different thermodynamic states, the literature review has to be performed as well as the basic understanding of curve fitting process (basic statistical analysis) is necessary to be studied and applied. | |

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| Fulfilment of assignment | fulfilled with major objections |
| <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> | |
| Understanding of fluids thermodynamic and transport properties, physical meaning, theory of refrigerant (generally fluid) thermodynamic states and resulting properties, the literature review were performed and fulfilled with the certain initial support from the thesis leader. The very basic statistical analysis fulfilled. | |

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| Activity and independence when creating final thesis | D - satisfactory. |
| <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> | |
| Scheduled time was met. The work was finished in time, few days before the mandatory submission. The student demonstrated a certain independency at this time – own possible solutions of problems were suggested. | |

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| Technical level | D - satisfactory. |
| <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> | |
| The technical level is acceptable. The revised work more clear. But general technical thinking and logic is still little poor. | |

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| Formal level and language level, scope of thesis | D - satisfactory. |
| <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> | |
| The language expressions used in thesis seems to be suitable considering English is a student's second language used for most of his previous studies. | |

Selection of sources, citation correctness**D - satisfactory.**

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?

25 publications were initially found for consideration. 7 of those publications were determined to be used for thesis and equations in those 7 publications were evaluated. Reasons for not using remaining publications were explained.

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

Summarize your opinion on the thesis and explain your final grading.

The results were achieved this time. The author of theses showed certain improvement in revised work.

The grade that I award for the thesis is **D - satisfactory**.

Date: **Click here and enter the date.**

Signature: