

SDI Review Form 1.6

Journal Name:	Journal of Scientific Research and Reports
Manuscript Number:	Ms_JSRR_46575
Title of the Manuscript:	Conceptual Design and Finite Element Analysis of a Five Minute Mini D.C Powered Air Compressor for Inflating Automol
Type of the Article	

General guideline for Peer Review process:

This journal's peer review policy states that <u>NO</u> manuscript should be rejected only on the basis of '<u>lack of Novelty'</u>, provided the manuscript is scientifically robust and technically sound. To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

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nobile Tyres



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PART 1: Review Comments

Compulsory REVISION comments 1) Remake the abstract as recommended below. 2) Please, review units in this research. 3) Please, check the comments in the item "Minor Revision". Minor REVISION comments Title: Five minute or Five minutes? Abstract: Five minute or Five minutes? Please review the abstract; it is not necessary to put the words aims, study design, place and duration of this study, methodology, results, conclusion in the abstract. The abstract should contain all of this information without spaces and paragraphs. The authors can place where and when the study was carried out in the text and not in the abstract. maximum stress is 3,7 x 10 ⁶ N.m ² . Correct 3.7 x 10 ⁶ N/m ² or 3.7 MPa? Please, review. the material used which is 4.7 x 10 ⁶ N.m ² . Correct 4,7 x 10 ⁶ N/m ² or 4.7 MPa? Please, review.	feedback here)
Minor REVISION comments Title: Five minute or Five minutes? Abstract: Five minute or Five minutes? Please review the abstract; it is not necessary to put the words aims, study design, place and duration of this study, methodology, results, conclusion in the abstract. The abstract should contain all of this information without spaces and paragraphs. The authors can place where and when the study was carried out in the text and not in the abstract. maximum stress is 3,7 x 10 ⁶ N.m ² . Correct: 3.7 x 10 ⁶ N/m ² or 3.7 MPa? Please, review. the material used which is 4.7 x 10 ⁶ N.m ² . Correct 4,7 x 10 ⁶ N/m ² or 4.7 MPa? Please, review.	
maximum stress 2-48 × 10 ⁹ m ³ MP ³ , Correct 2-48 MPa. Please, review. In the apper, it must contain the tyre specification R206/65R15. The authors need to include the maximum load and speed at which a tyre can be safely. It would be important to mention in this research why this tyre specification was chosen? 2rd Page: the tyre below 2 Psi, change to 2 psig. comprises tyre and rim filled with compressed air. Only the tyre is filled with air or nitrogen, please, review. 2rd Page: [5] developedChange to: Kayloglu B, et al.; [6] researchedChange to: Latha OH, et. al.; [7] designedChange to: Latha OH, et. al.; [7] designedChange to: Hashi K, Shitole A 3rd Page: [9] used finiteChange to: Jatha OH, et. al.; 	

eed with reviewer, correct the manuscript and anuscript. It is mandatory that authors should write

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	Place figures 9 and 10 in the same page. Place figures from 11 to 14 in the same page. Conclusion: In this study, a Five-minute or Five-minutes? Please, review units. I could not find the specification for the selected tyre in this research. Could you please include this information in the text.	
Optional/General comments	Great research. It would be very important to make an economic feasibility analysis of the implementation of these compressors in automobiles, evaluating the project proposed in this research.	

PART 2:

		Author's comment (if agreed wi that part in the manuscript. It is m feedback here)
Are there ethical issues in this manuscript?	(If yes, Kindly please write down the ethical issues here in details)	

Reviewer Details:

Name:	Carlos Alberto Ferreira Lagarinhos
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with reviewer, correct the manuscript and highlight s mandatory that authors should write his/her