

Review Form 3

Journal Name:	Journal of Materials Science Research and Reviews
Manuscript Number:	Ms_JMSRR_124216
Title of the Manuscript:	Mechanical Properties of Heat-treated (Full Annealing) Compacted Graphite Cast Iron (CGI) of Varying Microstructures Suitable for Automotives Application
Type of the Article	Research Paper

PART 1: Review Comments

Compulsory REVISION comments	Reviewer's comment	Author's Feedback <i>(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
Please write a few sentences regarding the importance of this manuscript for the scientific community. Why do you like (or dislike) this manuscript? A minimum of 3-4 sentences may be required for this part.	The work was carried out to determine the mechanical properties of heat-treated (full annealing) compacted graphite cast irons (CGI) of different microstructures for automotive applications. Thus it is important know the significance for microstructure.	
Is the title of the article suitable? (If not please suggest an alternative title)	Mechanical Properties of Heat-treated (Full Annealing) Compacted Graphite Cast Iron (CGI) of Varying Microstructures for Automotive Applications	Corrected
Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here.	Yes	
Are subsections and structure of the manuscript appropriate?	Yes	
Please write a few sentences regarding the scientific correctness of this manuscript. Why do you think that this manuscript is scientifically robust and technically sound? A minimum of 3-4 sentences may be required for this part.	Results of Mechanical properties (hardness, impact, and wear resistance), Brinell hardness number, ultimate tensile strength are agreement with literature survey. 38.8J for A1 is the highest impact energy recorded for the series. Lastly, 67% recorded for A6 was the highest wear loss for the series. A1-A6 is suitable for the production of automotive parts especially exhaust system parts and engine blocks.	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	Yes	

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Minor REVISION comments Is the language/English quality of the article suitable for scholarly communications?	In 4.4.4 Impact strength - line 4 , A3, A4 and A6 should be written as A2, A3 and A6 In page 14 and 15, A1 also shows less wear. Yes	Corrected
Optional/General comments	Paper may be accepted	

PART 2:

	Reviewer's comment	Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
Are there ethical issues in this manuscript?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

Reviewer Details:

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