

Review Form 3

Journal Name:	Journal of Engineering Research and Reports
Manuscript Number:	Ms_JERR_130243
Title of the Manuscript:	Contact Stress Analysis of the Slewing Bearing of Truck Cranes
Type of the Article	

PART 1: Comments

	Reviewer’s comment	Author’s Feedback (Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
Please write a few sentences regarding the importance of this manuscript for the scientific community. A minimum of 3-4 sentences may be required for this part.	<p>This work represents a study of the contact stress of its slewing bearing by using two fundamental methods: Hertz’s contact theory and the finite element method. It also considers the influence of the main structural parameters of the slewing bearing on the contact stress, to provide a reference for product selection and design. In this paper, according to the working conditions of the truck crane, 125% of the working load is selected to analyze the load on the slewing bearing. The mechanical model is defined. The finite element results and the theoretical model results are compared. In this way, the correctness of the results is verified.</p> <p>The method appears interesting and presents possible applications in the field of crane statics. The description of the Theoretical calculations and the Finite element Analysis are well-developed. The description of the Influence of Main Structural Parameters on the Contact Stress of Slewing Bearings is interesting and useful. It would be interesting if, in a subsequent work, the dynamics of the movement of the load, used in the crane, were developed.</p>	Thanks to the reviewers for their valuable advice, I will consider conducting research in this regard in the future.
Is the title of the article suitable? (If not please suggest an alternative title)	Yes, it appears correct and comprehensive.	Thank you so much for your careful check.
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.	I think that the abstract of the article is well-written, clear, complete, and comprehensive.	Thank you so much for your careful check.
Is the manuscript scientifically, correct? Please write here.	Yes, I consider the manuscript to be correct, well-structured, and understandable.	Thank you so much for your careful check.
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	In general, yes they are sufficient and appear complete.	Thank you so much for your careful check.
Is the language/English quality of the article suitable for scholarly communications?	English could be improved in some limited parts. One practical approach for authors to optimize their articles could be to incorporate proofreading tools such as “Grammarly”.	Thank the reviewers for their careful examination, and I apologize for the language problems of the manuscript.
Optional/General comments	In conclusion, I can say that the manuscript appears to be a very good work in the field considered. Nevertheless, I think could be better to improve the English language.	Thank the reviewers for their careful examination, and I apologize for the language problems of the manuscript.

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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?	<u>(If yes, Kindly please write down the ethical issues here in details)</u>	There are no ethical issues with this manuscript.