ICE-SEAM 2019 (author)

ICE-SEAM 2019 Submission 70

Rebuttal

Submission information updates are disabled.

Click "Rebuttal" to **see the reviews sent to you for the rebuttal period and your response**.

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Submission 70	
Title	Fatigue Strength Analysis of Crank Throw Steel by Accelerated Staircase Test
Abstract:	(May 08, 05:29 GMT)
Full Paper:	(Jul 12, 07:08 GMT)
Revised Manuscript:	(Nov 13, 04:06 GMT) (previous versions)
Consent to Publish:	(Nov 02, 06:50 GMT)
Author keywords	S34MnV steel Fatigue strength Staircase test Crank throw
Topics	
Abstract	This paper presents the reliability estimation of fatigue strength of the material used for crank throw components. The material used for crank throw components is forged S34MnV steel and subsequently heat-treated by normalising and tempering. High cycle fatigue testing under fully reversed cycling (R = -1) was performed to determine the fatigue limit of material. The staircase test method is used to obtain accurate values of the mean fatigue limit stress until a numbers of cycles up to 10^7 cycles. Subsequently, the fatigue test results are evaluated by the Dixon-Mood formula. The values of mean fatigue strength and standard deviation predicted by the staircase method are 282 MPa and 10.6 MPa, respectively. Finally, the reliability of the design fatigue strength in some selected probability of failure is calculated. Results indicate that the fatigue strength determined from accelerated staircase test is consistent with conventional fatigue testing. Furthermore, the proposed method can be applied for the determination of fatigue strength and standard deviation for design optimisation of S34MnV steel.
Submitted	May 08, 05:29 GMT
Last update	Jul 12, 07:45 GMT
Address	Perum Gandok Permai Kav.3, Gandok-Sempu, Werdomartani, ngemplak, Sleman, DI. Yogyakarta-Indonesia Sleman, 55584 Indonesia
Journal Publication Preferences	Yes, I would like to proceed for "Open Engineering" if this paper gets the reviewer recommendations

Authors							
first name	last name	email	country	affiliation	Web page	corresponding?	presenter
I Made Wicaksana	Ekaputra	made@usd.ac.id	Indonesia	Sanata Dharma University		✓	✓
Rando	Tungga Dewa	rando.td@gmail.com	Czechia	University of West Bohemia		✓	
Gunawan	Dwi Haryadi	gdhary@gmail.com	Indonesia	diponegoro university		✓	
Seon Jin	Kim	sjkim@pknu.ac.id	South Korea	Pukyong National University			

Reviews

Review 1	
Comments to the Author(s)	
Comments to the author(s)	The paper is interesting, but several additions are needed as this paper is intended to be recommended to Open Engineering. 1. Redo English check and typo 2. Add literature reviews regarding fatigue analysis and accelerated staircase test 3. Add more discussion related to your findings. 4. State future work related to this work
Quality Assessment	
Impact/Contribution	**4**: (very high)
Communication	**3**: (very well)
References	**3**: (sufficient)
Recommendation	
Recommendation	**3**: (Minor revision)

Review 2	
Comments to the Author(s)	
Comments to the author(s)	This study is mainly concern about the fatigue strength analysis of crank throw steel by accelerated staircase test. The material used for crank throw components is forged S34MnV steel and subsequently heat-treated by normalizing and tempering. High cycle fatigue testing under fully reversed cycling (R = -1) was performed to determine the fatigue limit of the material. Subsequently, the fatigue test results are evaluated by the Dixon-Mood formula. The reliability of the design fatigue strength in some selected probability of failure is also calculated. Overall, this experimental works is worth to be published in ICE-CEAM conference. However, it remains some of missmatch in the publication format.
Quality Assessment	
Impact/Contribution	**3**: (high)
Communication	**2**: (good)
References	**3**: (sufficient)
Recommendation	
Recommendation	**3**: (Minor revision)

[ICE-SEAM 2019 ID: 70] Update: Instructions for Submission in Open Engineering

ICE-SEAM 2019 <iceseam2019@easychair.org>

Mon 1/6/2020 8:51 PM

To: I Made Wicaksana Ekaputra <made@usd.ac.id>

Dear I Made Wicaksana Ekaputra,

Recently, we are sending you email as attached in the end of this email and we received several enquiries regarding the reply from Open Engineering stating the Article Publication Charge of EUR 1000.

This email is to clarify that we already have the final agreement with Open Engineering to give all ICE-SEAM 2019 authors that are selected for Open Engineering Publication a 50% discount so that the author will be charged only EUR 500 per article published. The fees will be collected by the ICE-SEAM 2019 organizer for payment to Open Engineering after the manuscript is accepted for publication.

We hope this email clarifies the query and we wish you a good luck in the further review.

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Congratulations on your nomination for publication in Open Engineering.

For the next step, you will need to submit your manuscript directly to Open Engineering under ICE-SEAM 2019 special issue. Please follow the guidelines in the attachment for the submission procedures.

We expect you to complete the submission in Open Engineering before Tuesday, 7 January 2020.

We will communicate with you again once the final decision has been made by Open Engineering.

We wish you good luck and thank you for your cooperation.

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Best Regards,
ICE-SEAM Committee