

## Review Form 1.6

Journal Name:	<a href="#">Physical Science International Journal</a>
Manuscript Number:	Ms_PSIJ_76719
Title of the Manuscript:	Engine Oil- Crankshaft Interaction Fem Modelling of an Air Cooled Diesel Engine Under Dynamic Severe Functioning Conditions
Type of the Article	case study

### **General guideline for Peer Review process:**

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', 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:

(<http://peerreviewcentral.com/page/manuscript-withdrawal-policy>)

**Review Form 1.6**

**PART 1: Review Comments**

	<b>Reviewer's comment</b>	<b>Author's comment</b> (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)
<b>Compulsory</b> REVISION comments	<ul style="list-style-type: none"> <li>- in the text, where is about heat flux (h), the attribute oil or air must be written as subscript;</li> <li>- the Equations must be written using an adequate editor and their number must be put in the right of row;</li> <li>- must be improved the graphic quality of some Figures (as example Fig. 1 and Fig. 2);</li> <li>- the notation for rotational speed "tr/min" is used in French; I suggest to use "rpm" instead.</li> <li>- also note kg not Kg (in the Table 1);</li> <li>- in some cases you use comma instead decimal point (In Table 1 and Eq. (9)) and vice versa (sometimes when you put the measuring units for temperature or pressure).</li> <li>- in the page 7 you must put the measuring unit after deformation value (1.23*10<sup>-3</sup>)</li> </ul>	
<b>Minor</b> REVISION comments	<p>You must replace:</p> <ul style="list-style-type: none"> <li>- "crankshaft" instead "crankshalf " (2 times in the abstract)</li> <li>- "At the end step..." instead "A the end step..." in the final part of section 1;</li> <li>- "vector" instead "vecteur" after the Eq. (1);</li> <li>- "bearing" instead "baring" (there are 4 cases);</li> <li>- "crankpin" instead "crapin" (there are 4 cases);</li> <li>- "behavior" instead "behavior" (at the beginning of left column page 10);</li> <li>- in the Fig. 10 close to the red mark must appear "stressed" instead "tressed";</li> <li>- the References must be also revised (see, as example the no. 7 where many % signs appear).</li> </ul> <p>Generally, an automatic spelling is recommended.</p>	
<b>Optional/General</b> comments	<p>It is a helpful work in which experimental determinations confirm a thermo-mechanical modeling of the crankshaft of a Diesel engine identifying the maximum mechanical stress zones. But the text must be revised and above there are summarized some necessary corrections.</p> <p>Because the Word versions (of mine and of authors) mismatch, I see many words "concatenated" what is probably not the case in the original text. Would be better to be transmitted to the reviewers a pdf version.</p>	

[Review Form 1.6](#)

**PART 2:**

	<b>Reviewer's comment</b>	<b>Author's comment</b> <i>(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)</i>
<b>Are there ethical issues in this manuscript?</b>	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

**Reviewer Details:**

Name:	<b>Marian Costea</b>
Department, University & Country	<b>Politehnica University Of Bucharest, Romania</b>