

# Review of: "The Influence of Hot Extrusion on The Mechanical and Wear Properties of an Al6063 Metal Matrix Composite Reinforced With Silicon Carbide Particulates"

Luis Flores<sup>1</sup>

<sup>1</sup> Instituto Politécnico Nacional

Potential competing interests: No potential competing interests to declare.

Review comments of the article titled: The Influence of Hot Extrusion on The Mechanical and Wear Properties of an Al6063 Metal Matrix Composite Reinforced With Silicon Carbide Particulates

General result: The work is of interest, I consider; Accepted with changes

The changes, corrections or suggestions are described as follows:

## General observations

- Improve writing, and in the quality of the pictures and labels
- Try to have the same letter size of the labels
- Include scale line on the SEM micrographs
- Include technical information of the testing machines and equipments

## Particular observations

Section 2.1 as far as possible:

- Include some technical data of the furnace
- Include reference of the ASTM B557M and ASTM E-9 standards
- Include some technical data of the moulds like size, shape, material, etc.
- Row 11: a) Include short description of; What do you mean with "meticulously considered [13]"? how to measure, or it is some relation, or data register to compare your work with that reference?
- With respect to Row 22: Include a flow diagram of the process, or illustration that helps to improve the descriptions. For example, as in the phrase "The notch is located at the bottom, opposite to the hammer", a simplified diagram or picture can help. Otherwise improve in the writing.

## Section 3.4 Improve writing

A description of figure 3 can help to identify the contribution of this figure. Include technical data, or general characteristics of the testing machine, and manufacturing or preparation of the samples

## Section 3.6

Graph 8. Improve in the quality and size of the graph since the letter is too small

-1st paragraph, 2nd row: It has a double final point at the end of the phrase.

-Suggestion: In "Similar observations have been made by other studies [24][25]" Include details of that observations, and the relation, or differences with respect to your findings

-2nd paragraph, final row: Three points appear in the final row

Suggestion: Include details of the observations of references 24 to 28, and the relation, or differences with respect to your findings

Thank you for the opportunity of reviewing this interesting work.