Dear Reviewer,

We sincerely appreciate your review of our manuscript and the valuable feedback you provided. We have carefully considered your comments and have made the necessary revisions, which are clearly indicated in the modified format of the manuscript.

We would like to express our utmost gratitude for your insightful comments on our manuscript. We truly value this opportunity and hope that you find the revised manuscript satisfactory. If you believe further modifications are required, please do not hesitate to inform us. We are committed to making any necessary revisions until you are satisfied. We eagerly await your response.

Thank you once again for your time and consideration.

Concern # 1:

In page 2: Would you please use "… combustion engine, Zhang, T. et al. and Huo et al. proposed the hydraulic restrained …"?

Author response: Thank you very much for your valuable feedback. We have made the necessary revisions to the manuscript based on your suggestions.

Concern # 2:

In Page 2: Would you please use "Zhang, H. et al. conducted simulation …"?

Author response: Thank you very much for your valuable feedback. We have made the necessary revisions to the manuscript based on your suggestions.

Concern # 3:

In Page 2: Would you please use "… in multiple fields, Huang established …"?

Author response: Thank you very much for your valuable feedback. We have made the necessary revisions to the manuscript based on your suggestions.

Concern # 4:

Would you please check shortening several long sentences throughout the manuscript? For example, in Page 2 the sentences include the name of (Zhang Tiezhu) and (Zhang Hongxin0 are long and needs to be shortened (or splitted into 2 or more sentences).

Author response: Thank you very much for your valuable feedback. We have made the necessary revisions to the manuscript based on your suggestions.

Concern #5:

Would you please check presenting the figures after its citation (mention) in the main text? Check for example Figure 3.

Author response: Thank you very much for your valuable feedback. Based on your comments, we have reviewed Figure 3 and indeed found the issues you mentioned. We have redrawn the figure and included it in the manuscript.

Concern #6:

The introduction/literature review/ references' citation is relevant and up-to- date. Would you please cite more references while presenting and discussing the results?

Author response: Thank you very much for your valuable feedback. We have made the necessary revisions to the manuscript based on your suggestions.

Concern #7:

The paper is full of equations and symbols. Would you please check adding (Nomenclature) section before the references' list??

Author response: Thank you very much for your valuable feedback. Based on your comments, we have added the Nomenclature section to the manuscript.