## **Accepted Manuscript**

Analysis of Exhaust Gas Recirculation (EGR) effects on exergy terms in an engine operating with diesel oil and hydrogen

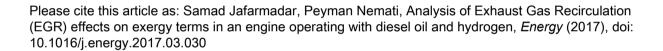
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## ACCEPTED MANUSCRIPT

As the EGR mass fraction increases from 0% to 30% by 10% increments:

- 1- The percentage of cumulative heat loss exergy decreases by 46.1%.
- 2- The percentage of cumulative work exergy decreases by 67.1%.
- 3- The percentage of irreversibility decreases by 29.5%.
- 4- The exergy efficiency decreases by 67.1%.

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