[JMES] Article Review Request

3 pesan

Dr. Nasrul Azuan Alang <jmes05@ump.edu.my> 20 Februari 2023 pukul 11.08
Kepada: MARTHEN - PALOBORAN <marth.me.unm@gmail.com>

MARTHEN - PALOBORAN:

I believe that you would serve as an excellent reviewer of the manuscript, "JMES2209090 TOTAL LOSS TORQUE WAVEFORM ESTIMATION FOR A TURBOCHARGED DIESEL ENGINE.," which has been submitted to Journal of Mechanical Engineering and Sciences. The submission's abstract is inserted below, and I hope that you will consider undertaking this important task for us.

Please log into the journal web site by 2023-02-27 to indicate whether you will undertake the review or not, as well as to access the submission and to record your review and recommendation. The web site is https://journal.ump.edu.my/jmes

The review itself is due 2023-03-20.

If you do not have your username and password for the journal's web site, you can use this link to reset your password (which will then be emailed to you along with your username). https://journal.ump.edu.my/jmes/login/lostPassword

Submission URL: https://journal.ump.edu.my/jmes/reviewer/submission?submissionId=8708

Thank you for considering this request.

Dr. Nasrul Azuan Alang
Universiti Malaysia Pahang
jmes05@ump.edu.my

"JMES2209090 TOTAL LOSS TORQUE WAVEFORM ESTIMATION FOR A TURBOCHARGED DIESEL ENGINE."

The indicated (gas) torque is a key parameter for reciprocating engine. It reports on various aspects of the engine, such as the quality of the combustion process, the fuel combustion rate and the average effective pressure. This is a good indicator of the stability of the engine at work. The form of the instantaneous indicated torque is precious information for the control and diagnosis of the engine. The study of the simulation of crankshaft dynamics illustrates the need to know the total loss torque (i.e. the addition of friction torque, auxiliary torque and load torque) to achieve the indicated torque. To date, it has proven difficult to obtain an accurate predictive expression of the instantaneous total loss torque. This expression includes adequate simulation of friction of all moving parts of the engine (piston ring and skirt, crankshaft bearings, valve gear,...), auxiliaries and load. Based on experimental results conducted on a four cylinders turbocharged diesel engine, this work offers a simple and practical solution for estimating the total torque loss. The proposed method makes it possible to successfully estimate total torque losses under a wide range of engine operating conditions. The result prediction has been confronted to experimental data.

MARTHEN PALOBORAN, S.T., M.T. <marth.me.unm@gmail.com> 9 Maret 2023 pukul 14.48
Kepada: "Dr. Nasrul Azuan Alang" <jmes05@ump.edu.my>

Dear Editor in Chief,

I just completed my assignment to review the article above

thanks for your cooperation

sincerely yours
[Kutipan teks disembunyikan]
--
Best Regards,

Marthen Paloboran
Automotive Engineering Department
Faculty of Engineering-Universitas Negeri Makassar
South Sulawesi - Indonesia 90224

MARTHEN PALOBORAN, S.T., M.T. <marth.me.unm@gmail.com> 9 Maret 2023 pukul 14.55
Kepada: "Dr. Nasrul Azuan Alang" <jmes05@ump.edu.my>

Review result has been submit also in the journal website
[Kutipan teks disembunyikan]

Review Result.pdf
109K

UMP

اونيۏرسيتي مليسيا ڤهڠ

UNIVERSITI MALAYSIA PAHANG

Certificate of Appreciation

awarded March, 2023 to

MARTHEN PALOBORAN

In recognition of reviewing paper

Total loss torque waveform estimation for a turbocharged diesel engine

UNIVERSITI MALAYSIA PAHANG • UMP

Editors of
Journal of Mechanical Engineering and Sciences
(JMES)