

Accepted Manuscript

Experimental evaluation of cooling performance by friction coefficient and specific friction energy in nanofluid minimum quantity lubrication grinding with different types of vegetable oil

Yanbin Zhang, Changhe Li, Min Yang, Dongzhou Jia, Yaogang Wang, Benkai Li, Yali Hou, Naiqing Zhang, Qidong Wu

PII: S0959-6526(16)31221-5

DOI: [10.1016/j.jclepro.2016.08.073](https://doi.org/10.1016/j.jclepro.2016.08.073)

Reference: JCLP 7865

To appear in: *Journal of Cleaner Production*

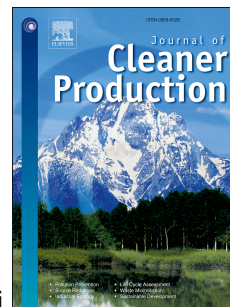
Received Date: 12 January 2016

Revised Date: 26 July 2016

Accepted Date: 16 August 2016

Please cite this article as: Zhang Y, Li C, Yang M, Jia D, Wang Y, Li B, Hou Y, Zhang N, Wu Q, Experimental evaluation of cooling performance by friction coefficient and specific friction energy in nanofluid minimum quantity lubrication grinding with different types of vegetable oil, *Journal of Cleaner Production* (2016), doi: [10.1016/j.jclepro.2016.08.073](https://doi.org/10.1016/j.jclepro.2016.08.073).

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.



Experimental Evaluation of Cooling Performance by Friction Coefficient and Specific Friction Energy in Nanofluid Minimum Quantity Lubrication Grinding with Different Types of Vegetable Oil

Yanbin Zhang¹, Changhe Li^{1*}, Min Yang¹, Dongzhou Jia¹, Yaogang Wang¹, Benkai Li¹, Yali Hou¹, Naiqing Zhang² and Qidong Wu²

1. School of Mechanical Engineering, Qingdao University of Technology, 266520 Qingdao, China

2. Shanghai Jinzhao Energy Saving Technology CO.LTD, 200436 Shanghai, China

***Corresponding author.** School of Mechanical Engineering, Qingdao University of Technology, 266520 Qingdao, China, Tel: +86-532-68052760; Fax: +86-532-85071286; E-mail address: sy_lichanghe@163.com (Changhe Li)

Aothorships: Yanbin Zhang, School of Mechanical Engineering, Qingdao University of Technology, 266520 Qingdao, China

E-mail address: zhangyanbin1_qdlg@163.com

Changhe Li, School of Mechanical Engineering, Qingdao University of Technology, 266520 Qingdao, China

E-mail address: sy_lichanghe@163.com

Min Yang, School of Mechanical Engineering, Qingdao University of Technology, 266520 Qingdao, China

E-mail address: yummy0lige@163.com

Dongzhou Jia: School of Mechanical Engineering, Qingdao University of Technology, 266520 Qingdao, China

E-mail address: jia_dongzhou@163.com

Yaogang Wang: School of Mechanical Engineering, Qingdao University of Technology, 266520 Qingdao, China

E-mail address: 18766124599@163.com

Benkai Li: School of Mechanical Engineering, Qingdao University of Technology, 266520 Qingdao, China

E-mail address: lbk17082@163.com

Yali Hou, School of Mechanical Engineering, Qingdao University of Technology, 266520 Qingdao, China

E-mail address: 51060195@qq.com

Naiqing Zhang, Shanghai Jinzhao Energy Saving Technology CO.LTD, 200436 Shanghai, China

E-mail address: 13918301138@163.com

Qidong Wu, Shanghai Jinzhao Energy Saving Technology CO.LTD, 200436 Shanghai, China

E-mail address: 13918856221@139.com

Download English Version:

<https://daneshyari.com/en/article/8100653>

Download Persian Version:

<https://daneshyari.com/article/8100653>

[Daneshyari.com](https://daneshyari.com)