Accepted Manuscript

Applications of bio-oil-based emulsions in a DI diesel engine: The effects of bio-oil compositions on engine performance and emissions

Xingzhong Yuan, Xiaowei Ding, Lijian Leng, Hui Li, Jianguang Shao, Yingying Qian, Huajun Huang, Xiaohong Chen, Guangming Zeng

PII: S0360-5442(18)30734-5

DOI: 10.1016/j.energy.2018.04.118

Reference: EGY 12757

To appear in: *Energy*

Received Date: 19 September 2017

Revised Date: 8 April 2018

Accepted Date: 20 April 2018

Please cite this article as: Yuan X, Ding X, Leng L, Li H, Shao J, Qian Y, Huang H, Chen X, Zeng G, Applications of bio-oil-based emulsions in a DI diesel engine: The effects of bio-oil compositions on engine performance and emissions, *Energy* (2018), doi: 10.1016/j.energy.2018.04.118.

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.



Applications of bio-oil-based emulsions in a DI diesel engine: The effects of bio-oil compositions on engine performance and emissions

Xingzhong Yuan^{a, b, *}, Xiaowei Ding^{a, b}, Lijian Leng^{a, b}, Hui Li^{c, +}, Jianguang Shao^a,

^b, Yingying Qian^{a, b}, Huajun Huang^d, Xiaohong Chen^e, Guangming Zeng^{a, b}

^a College of Environmental Science and Engineering, Hunan University, Changsha 410082, P.R. China

^b Key Laboratory of Environment Biology and Pollution Control (Hunan University), Ministry of Education, Changsha 410082, P.R. China

^c Institute of Biological and Environmental Engineering, Hunan Academy of Forestry,

Changsha 410004, P.R. China

^d School of Land Resources and Environment, Jiangxi Agricultural University, Nanchang 330045, P.R. China

^e School of Business, Central South University, Changsha 410083, P.R. China

^{*} Corresponding author at: College of Environmental Science and Engineering, Hunan University, Changsha 410082, P.R. China. Tel.: +86–731–88821413; Fax: +86–731–88823701; E-mail address: <u>yxz@hnu.edu.cn</u> (X.Z. Yuan).

⁺ Co-corresponding author at: Institute of Biological and Environmental Engineering, Hunan Academy of Forestry, Changsha 410004, P.R. China. Tel.: +86–731–85657659; Fax: +86–731–85657659; E-mail address: <u>lihuiluoyang@1</u>63.com (H. Li).

Download English Version:

https://daneshyari.com/en/article/8071424

Download Persian Version:

https://daneshyari.com/article/8071424

Daneshyari.com