A NOVEL POLYMER-SURFACTANT COMPLEX MIXTURE TO IMPROVE DIESEL FUEL FLOW IN A ROTATING DISK APPARATUS

Mohamad Amran Mohd Salleh¹,⁴,*, Musaab K. Rashed¹,², Hayder A. Abdulbari³ and M. Halim Shah Ismail¹

¹Department of Chemical and Environmental Engineering
Faculty of Engineering
Universiti Putra Malaysia
43300 UPM Serdang, Selangor, Malaysia

²Institute of Technology
Middle Technical University
Baghdad - Alzafaranya
P. O. Box: 29008, Iraq

³Centre of Excellence for Advanced Research in Fluid Flow
Universiti Malaysia Pahang
Gambang, 26300, Kuantan, Pahang, Malaysia
e-mail: hayder.bari@gmail.com

⁴Material and Processing Technology Laboratory
Institute of Advanced Technology
Universiti Putra Malaysia
43300 UPM Serdang, Selangor, Malaysia

Received: March 27, 2016; Accepted: June 12, 2016
2010 Mathematics Subject Classification: 76-XX.
Keywords and phrases: polymer, surfactants, drag reduction, complex mixtures, rotating disk apparatus (RDA).
*Corresponding author
Communicated by Shahrdad G. Sajjadi