

Accepted Manuscript

Title: Effect of a hard magnetic particle additive on rheological characteristics of microspherical carbonyl iron-based magnetorheological fluid

Author: Min Wook Kim Wen Jiao Han Yu Hyun Kim Hyoung Jin Choi



PII: S0927-7757(16)30592-1
DOI: <http://dx.doi.org/doi:10.1016/j.colsurfa.2016.07.070>
Reference: COLSUA 20858

To appear in: *Colloids and Surfaces A: Physicochem. Eng. Aspects*

Received date: 27-5-2016
Revised date: 24-7-2016
Accepted date: 25-7-2016

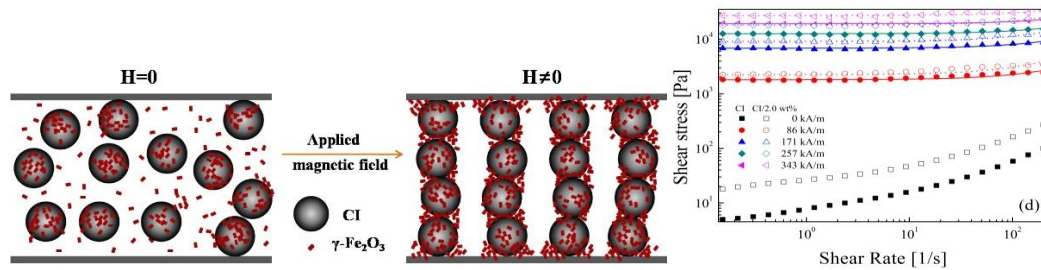
Please cite this article as: Min Wook Kim, Wen Jiao Han, Yu Hyun Kim, Hyoung Jin Choi, Effect of a hard magnetic particle additive on rheological characteristics of microspherical carbonyl iron-based magnetorheological fluid, *Colloids and Surfaces A: Physicochemical and Engineering Aspects* <http://dx.doi.org/10.1016/j.colsurfa.2016.07.070>

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.

Effect of a hard magnetic particle additive on rheological characteristics of microspherical carbonyl iron-based magnetorheological fluid

Graphical Abstract

MR performance of carbonyl iron based MR fluid with four different additive concentration of $\gamma\text{-Fe}_2\text{O}_3$ nanoparticles were examined. Their magnetorheological behavior was observed using a rotational rheometer along with the dispersion stability test of the MR fluids using a Turbiscan.



Download English Version:

<https://daneshyari.com/en/article/6978451>

Download Persian Version:

<https://daneshyari.com/article/6978451>

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