Accepted Manuscript

Characterization of droplet sizes in large scale oil-water flow downstream from a globe valve

L.D. Paolinelli, A. Rashedi, J. Yao

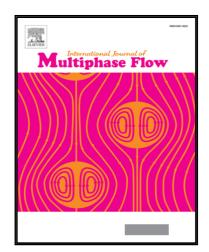
PII: \$0301-9322(17)30275-6

DOI: 10.1016/j.ijmultiphaseflow.2017.09.014

Reference: IJMF 2659

To appear in: International Journal of Multiphase Flow

Received date: 21 April 2017
Revised date: 4 August 2017
Accepted date: 29 September 2017



Please cite this article as: L.D. Paolinelli, A. Rashedi, J. Yao, Characterization of droplet sizes in large scale oil-water flow downstream from a globe valve, *International Journal of Multiphase Flow* (2017), doi: 10.1016/j.ijmultiphaseflow.2017.09.014

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.

ACCEPTED MANUSCRIPT

Highlights

- Water-in-oil dispersions produced in a globe valve were studied.
- Measured maximum droplet sizes correlate with classic turbulent break-up models
- Maximum and mean droplet sizes increase with the dispersed phase volume fraction
- Droplet size distributions shift to lower sizes and narrow with the pressure drop

Download English Version:

https://daneshyari.com/en/article/7060180

Download Persian Version:

https://daneshyari.com/article/7060180

<u>Daneshyari.com</u>