Accepted Manuscript

Title: Associating Theories for Complex Thermodynamics

Author: Georgios M. Kontogeorgis

PII: S0263-8762(13)00283-9

DOI: http://dx.doi.org/doi:10.1016/j.cherd.2013.07.006

Reference: CHERD 1307

To appear in:

Received date: 26-2-2013 Revised date: 11-6-2013 Accepted date: 9-7-2013

Please cite this article as: Kontogeorgis, G.M., Associating Theories for Complex Thermodynamics, *Chemical Engineering Research and Design* (2013), http://dx.doi.org/10.1016/j.cherd.2013.07.006

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

Research Highlights

- Association models have wide applications in numerous industrial sectors
- Association models are most used in the petroleum, and chemical industries including polymers
- Association theories predict well multiphase equilibria for many multicomponent mixtures
- Association theories still have numerous limitations and shortcomings
- Recent research studies address some of the limitations of current association theories

Download English Version:

https://daneshyari.com/en/article/621584

Download Persian Version:

https://daneshyari.com/article/621584

Daneshyari.com