

The Gasoil Hydrofining Kinetics Constants Identification

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Abstract : The paper describes the experiments and the kinetic parameters calculus of the gasoil hydrofining. They are presented experimental results of gasoil hydrofining using Mo and promoted with Ni on aluminum support catalyst. The authors have adapted a kinetic model gasoil hydrofining. Using this proposed kinetic model and the experimental data they have calculated the parameters of the model. The numerical calculus is based on minimizing the difference between the experimental sulf concentration and kinetic model estimation.

Keywords : hydrofining, kinetic, modeling, optimization

Conference Title : ICCEPT 2014 : International Conference on Chemical Engineering and Process Technology

Conference Location : Barcelona, Spain

Conference Dates : October 27-28, 2014