



MSE SEMINAR

Materials Science and Engineering
Michigan Technological University

Wednesday, January 9, 2013

3:00 pm – 4:00 pm

Room 610, M&M Building



R&D on the Molecular Sieves Containing Hydrotreating Catalyst for Ultra-clean Diesel Production

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Abstract

The producing of ultra-clean diesel with lower sulfur and aromatics content is an important subject of refining industry, and it is imperative to develop new hydrotreating catalysts of higher activity and selectivity in hydrodesulfurization (HDS) and hydrodearomatization (HDA). In this work, we would like to report the effort about the R&D on the titanosilicate and aluminophosphate molecular sieves containing diesel hydrotreating catalyst, the function of the composite support, its performance in the HDS and HDA reaction, and its industrial application in 1.2 Mt/a and 2.0Mt/a diesel fuel production units.

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