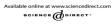
Hydrotreating Catalysts: Preparation, Characterization, And Performance Proceedings Of The Annual In





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Catalytic hydrotreating of heavy gasoil FCC feed on alumina-titania-supported NiMo catalysts

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A series of NiMoy-ALO, —TD, catalysts were prepared and tested in the hydertesting of newy gasesti ICC fixed in a pilot plant is sent. These different methods were applied to obtain the alumina-thania mixed toxides: impregation of trainin mixed toxides: impregation of a mixture of aluminum sulfate, sodium aluminate and trainim sulfate, and a sol-gel method using alk expectiveness; the traininal moment was keep constant (5 vs. 49. Additionally, a y-ALO, support vs was also prepared as a reference. All of the properties of the differences in tutania dispersion and acidity of the support.

ords: Al₂O₃-TiO₂; Acidity; XPS; HRTEM; Hydrotreating

1. Introduction

Hydroprocessing of gasoil has been requiring more search to fulfill the regulations continuously tightened, ince it is well known that the main contributor of sulfur to the gasoilne pool is the FCC gasoline, different approaches we been applied to meet the environmental regulations. In ais context the pretreatment of FCC feed has shown to be an ais context the pretreatment of FCC feed has shown to be an other context the pretreatment of FCC feed has shown to be an other context the pretreatment of FCC feed propertion [1–3]. According to this approach the hydrotreating process can be designed to perform either in a two stages grosses can be designed to perform either in a two stages and the feedstock properties [4–6]. Typical HDT catalysts of the feedstock properties [4–6]. Typical HDT catalysts or FCC feed pretreatment consist of molybdenum apported over alumina with either cobalt or nickel as

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