

催化剂

降低催化裂化汽油硫含量的重油裂化催化剂DOS的工业应用试验

侯典国¹;朱玉霞¹;黄磊²;童三和²

石油化工科学研究院¹

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摘要 在九江分公司一套催化装置上进行了降低催化汽油硫含量和烯烃含量的催化裂化催化剂DOS的工业应用试验, 试验结果表明, 和GRV-C催化剂相比, 液态烃、汽油和总液收产率有所增加, 干气、焦炭的产率有所下降, 反映出DOS催化剂具有裂化能力强、焦炭选择性好的特点。汽油烯烃含量降低7.8个百分点, 汽油硫含量/原料油硫含量下降20.3%, 说明DOS催化剂具有较好的降低汽油硫含量和烯烃含量的能力。

关键词 [裂化催化剂](#) [汽油料](#) [硫含量](#) [烯烃](#) [工业应用](#)

分类号

COMMERCIAL APPLICATION OF DOS CATALYST FOR REDUCING SULFUR AND OLEFIN CONTENTS OF FCC NAPHTHA

Dian-Guo HOU

Abstract

DOS catalyst was a catalyst developed for reducing sulfur and olefin contents of FCC naphtha. The commercial trial of DOS catalyst was carried out successfully in the FCC unit of SINOPEC Jiujiang Company. The trial results showed that as compared with olefin reducing catalyst GRV-C, DOS catalyst exhibited higher yields of LPG, naphtha and total liquid products, and lower yields of dry gas and coke; the volume percentage of olefin in naphtha reduced 7.8 points; the sulfur distributed in naphtha reduced 19.4%; the ratio of sulfur in naphtha to sulfur in feed reduced 20.3%. Thus, DOS catalyst possessed high heavy oil crackability, good coke selectivity and having the function to reduce sulfur and olefin contents in cracked naphtha.

Key words [cracking catalyst](#) [gasoline stock](#) [sulfur content](#) [olefin](#) [full scale](#)

DOI:

通讯作者 侯典国 houdg@ripp-sinopec.com

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