

能源和环境工程

## 加剂蒸馏提高直馏柴油收率

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**摘要** 对FE系列强化蒸馏活化剂进行的对比实验结果表明: FE3的强化效果较好; 利用活化剂FE3强化大庆原油常减压蒸馏可较大幅度地提高直馏柴油的收率. 加剂简易蒸馏实验结果表明: 汽油收率基本不变, 直馏柴油的收率可提高1.0%. 加剂实沸点蒸馏实验也得到了类似的结果: 汽油和轻质馏分油的总收率提高幅度不大, 但柴油的收率提高幅度高达2.0%. 尤其值得一提的是, 加剂蒸馏所得直馏汽油的质量并未受到明显的劣化影响, 但直馏柴油的质量得到了明显的改善.

**关键词**

[活化剂](#) [强化蒸馏](#) [柴油](#) [收率](#)

分类号

## ENHANCED YIELD OF DIESEL IN CRUDE OIL DISTILLATION WITH ACTIVATOR

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### Abstract

A series of FE activators were used to intensify Daqing crude oil distillation, which demonstrated that the yield of diesel could be substantially enhanced with activator FE3. From simple distillation, the yield of gasoline was hardly changed while that of diesel could be increased by about 1.0%. In TBP distillation, although no obvious increment was observed for the yield of gasoline, but the yield of light diesel could even be increased by more than 2.0%. Furthermore, diesel was obviously upgraded by this process while gasoline did not deteriorate.

**Key words** [activator](#) [intensifying distillation](#) [diesel](#) [yield](#)

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