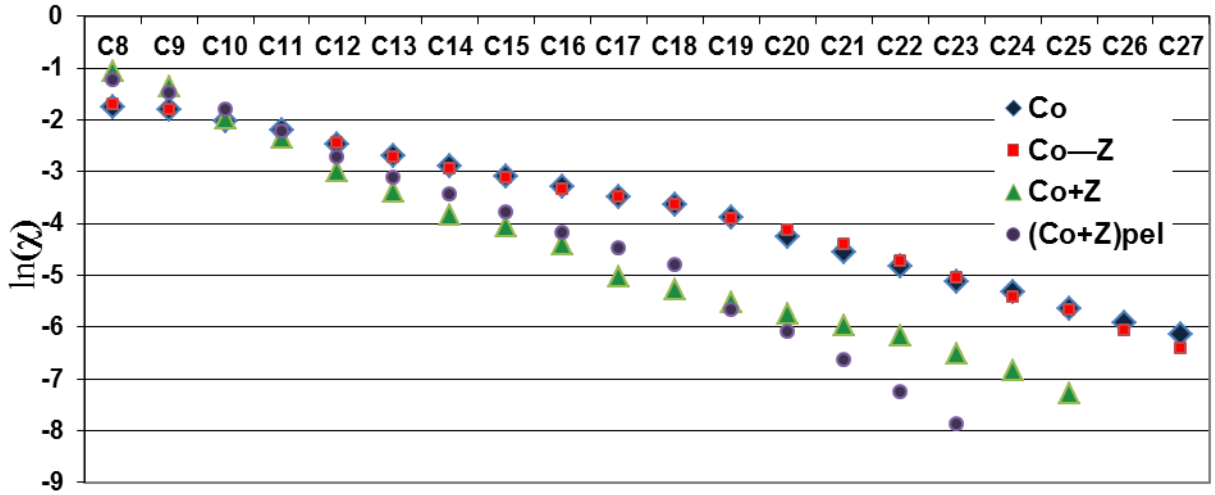
Electronic supplementary materials *Mendeleev Commun.*, 2014, **24**, 316–318

Effect of introduced zeolite on the Fischer–Tropsch synthesis over a cobalt catalyst

Lilia V. Sineva, Ekaterina Yu. Khatkova, Ekaterina V. Kriventseva and Vladimir Z. Mordkovich

(*a*)



(*b*)

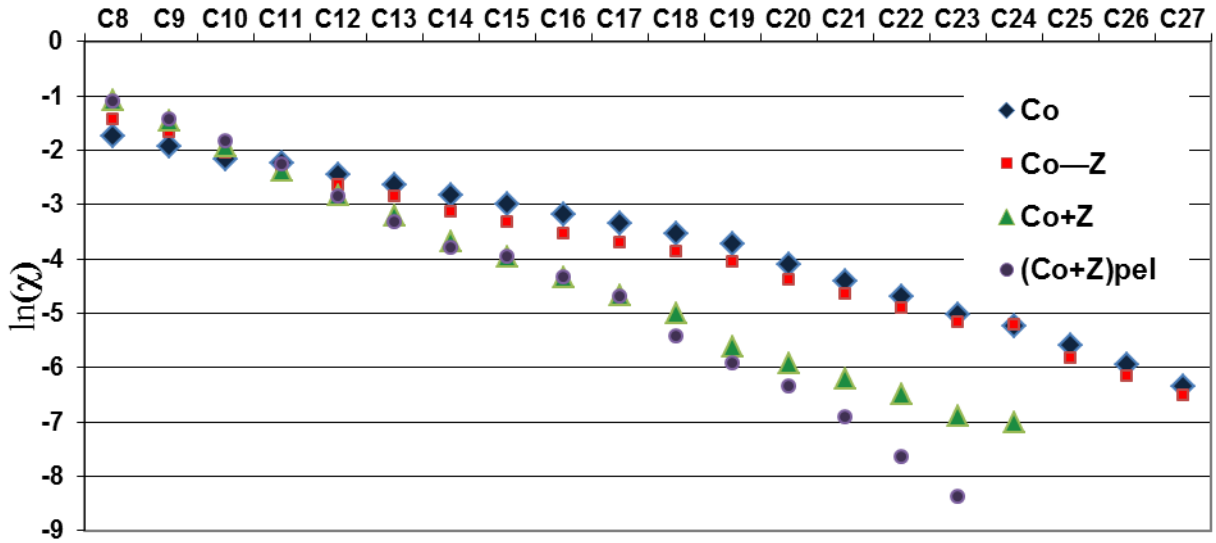


Figure S1 (*a*) The dependence of ln(χ) (molar fraction) on carbon number at 3000 h^{-1} and optimal temperature; (*b*) the dependence of ln(χ) (molar fraction) on carbon number at 5000 h^{-1} and optimal temperature.

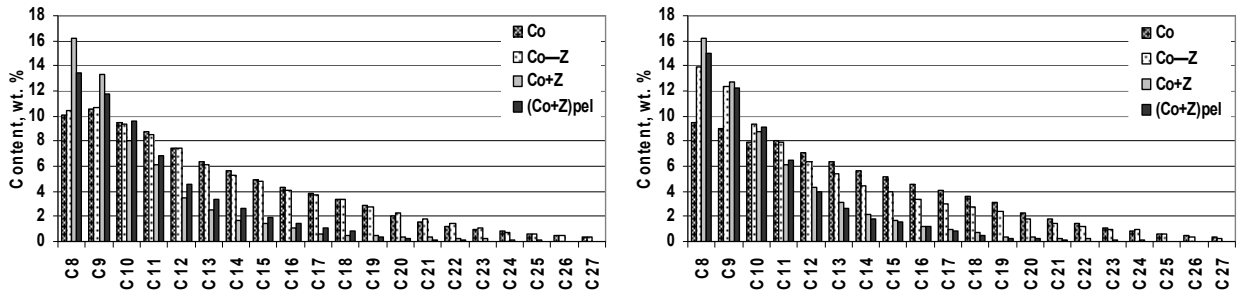
Saybolt
A CORE LABORATORIES COMPANY

ANALYSIS REPORT	26028/00842000/12	16.11.2012

Sample submitted as	:	Light Synthetic Crude Oil 17A37V3
Object	:	Sample
Marked	:	Crude Oil 17A37V3
Received	:	Sample submitted by Client
Location	:	No info
Date of sampling	:	No info
Number of sample	:	1 x 0.01 L
Sealed	:	Open

TEST	UNIT	METHOD	RESULT
Simulated Distillation: - range of Carbon number (C_{min} - C_{max}) - range of boiling limits	°C	(*)ASTM D 5307	(**) C2 - C25 -77 - +416

Manager of Moscow Laboratory Centre
RC «Saybolt» L. Postnikova



(*a*) (*b*)

Figure S2 The influence of catalyst composition on molecular mass distribution of C_8–C_{27} hydrocarbons at 3000 (*a*) and 5000 (*b*) h^{-1}; all data shown for optimal synthesis temperatures (see Table 2).