

... , ... , ... , ... ,  
 ... , ... , ... , ... ,  
 ... , “ ”, ( ... )

- ,  
 - ,  
 , % : Fe<sub>2</sub>O<sub>3</sub> = 85,4; Cr<sub>2</sub>O<sub>3</sub> = 8,6; CuO = 2,1; S 0,01 ( ... )  
 (450 ° ) , 3,3  
 85 , 56  
 :

There is shown that the activity of domestically produced CTK-CM catalyst (structure is in an oxidized form by general components, % mass: Fe<sub>2</sub>O<sub>3</sub> = 85,4; Cr<sub>2</sub>O<sub>3</sub> = 8,6; CuO = 2,1; S 0,01) remains permanent after its stabilization (450 ° ) and 3 cycles of heating-cooling (count of cycles is after catalyst's renovation) attached to overwork with dry gas 3,3 times more than in industry. General term of work is 85 hours, including 56 hours in conversion conditions. As an extra conclusion: investigations of kinetics by this catalyst will be correct during periodical mode of labware's work.

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 ,  
 -  
 ( ... , )  
 “ - ”.  
 - , “ - ”\*.  
 -  
 “ - ”.

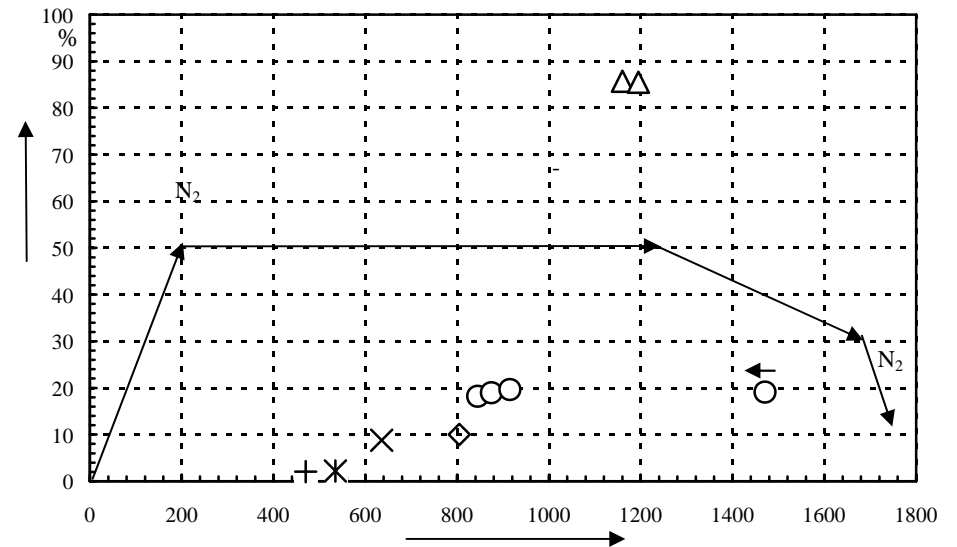
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\* -  
 “ - ”

“ ” 2003 . ( 6).  
 “ ”  
 ( 0,25-0,5 )  
 = 1,3121 / <sup>3</sup>;  
 = 2,190 / <sup>3</sup>; = 4,930 / <sup>3</sup>;  
 V = 0,220 / <sup>3</sup>; = 48,2%; = 0,401 . . .  
 ( = 0,15 ),  
 W = 48000 <sup>-1</sup> ,  
 $n^{CO} (v_{H_2O} / v_{CO}) = 2,6$  . ( )  
 , % ∴ = 57,5; N<sub>2</sub> = 42,5.  
 1,0 <sup>3</sup>.  
 [1-3],

Fe<sub>3</sub>O<sub>4</sub>,  
 $n^{CO} \geq 1,0$  [2, 4].  
 ( +  
 , % ∴ = 2,62; =  
 ( )  
 ,  
 6 .  
 130-200<sup>0</sup> 190 .  
 uO. 6 % . , Fe<sub>2</sub>O<sub>3</sub> 209-219<sup>0</sup> .  
 220<sup>0</sup> 150 .  
 2 11,3 % .

4,5 %  
 “ ”  
 40<sup>0</sup> / , 70<sup>0</sup> /  
 ( + N<sub>2</sub> + ) W = 48000 <sup>-1</sup>  
 350<sup>0</sup> ( ) .  
 2- - 3-  
 3- 450<sup>0</sup>  
 350<sup>0</sup> ,  
 (W = 48000 <sup>-1</sup>) 25 [1-  
 ] ( . . 1).



N = 2,6; W = 48000 <sup>-1</sup>; = 0,15 ;  
 + - 200, - 220, x - 260, ◇ - 310, ○ - 350, △ - 450 °

. 1.



2003. – 2. – 89-95. //

17.05.06