

DEVELOPMENT OF THE COMPLEX-ACTION REAGENT BASED
ON TECHNOLOGICALLY COMPATIBLE DEMULSIFIER
AND CORROSION INHIBITOR

L. P. Semikhina, E. N. Moskvina, O. V. Andreev

Key words: oilfield chemicals; demulsifiers; inhibitors of corrosion; surface-active reagents; synergism; dielectric measurements

$$= \dots = (\dots)^2 \cdot \text{tg}_{\max} \dots$$

[3]

1001, 1002, 1004, 6201, SXT-1001, 1025, Scimol WS-2111),

«Boatels Test» («...»).

[3, 4].

20, 7, 30, 1%-

600 3

4 190 / 45 ° (Z %

$$= (\dots - 1) / (S \cdot t); Z\% = (\dots - 1) / \dots \cdot 100,$$

t — 0, 1 — () ; S — , 2; , ; 0, 1 / 2 .

(L-) (tg) 10 - 30 [5-6]

$tg_{max} 1,5$

tg

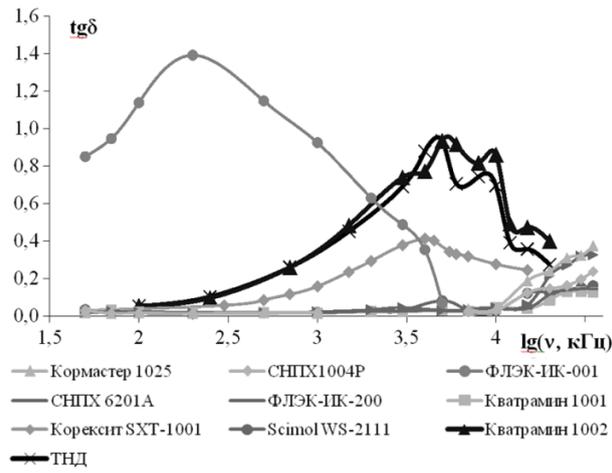
. 2,

tg ,
1002.

1002,

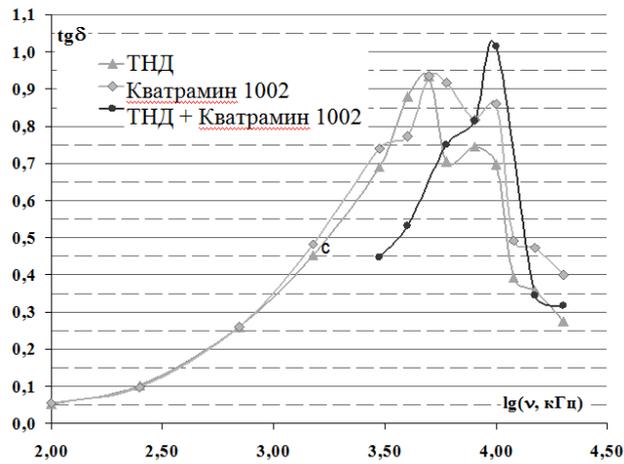
tg_{max}

(. 3).



. 2.

tg



. 3.

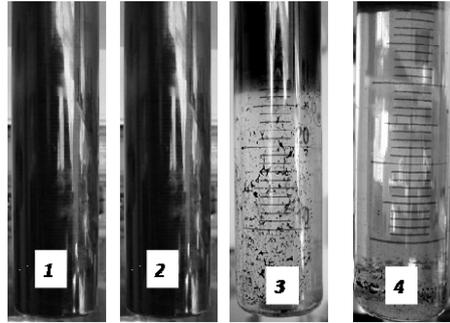
tg
1002

« ... » (... 4). (... 1 ... 4).

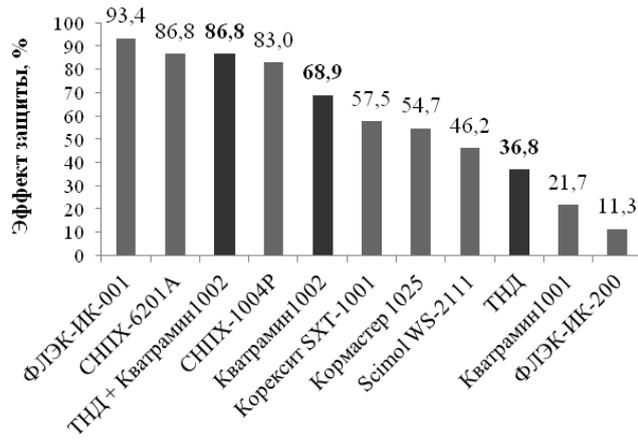
(... 2 ... 4).

(... 3,4 ... 4).

. 4. 50%-
1,5
45 (1),
30 /
1002 (2),
(3)
(4)



. 5.



. 5. , 50 /
1002 ,

. 4,

1002.

tg ,
(... 4).

1002 с ,

(... 3).

tg max

L- tg

1. « ... » // : <http://www.ogbus.ru>.
2. « ... », 2007. – 210 .
3. « ... » // ... – 2012. – 5.
4. « ... » , 2014. – 163 .
5. « ... » 2301253. 2007.
6. « ... » 2416100. 2009.

Information about the authors

Semikhina L. P., Doctor of Physics and Mathematics, professor of Tyumen State University, phone: 89091822436, e-mail: semihina@mail.ru

Moskvina E. N., postgraduate of Tyumen State University, phone: 89028136816, e-mail: enm1281@mail.ru

Andreev O. V., Doctor of Chemistry, professor, head of the chair of inorganic and physical chemistry, Tyumen State University, phone: 89048880417, e-mail: o.v.andreev@utmn.ru