

620.178

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./ : +99412 598 33 76; E-mail: rxatira@mail.ru

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-20;
-20 (45 - 4-4-17) 1,87 .
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[2,3].
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[4,5].
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 12,7 , -15.
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 60 .
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1.

	- %								
		2-[(-2-)]-1,3-				2-[(-2-)]-1,3-			
			P _k ,	P _c ,	D _u ,		P _k ,	P _c ,	D _u ,
1	2,0	64	1382	4381	0,42	53	1235	3098	0,49
2	3,5	65	1382	4381	0,43	58	1382	3930	0,43
3	5,0	71	1558	4381	0,46	-	-	-	-
4	5,7	-	-	-	-	66	1382	4381	0,42
5	6,5	73	1558	4910	0,48	-	-	-	-
6	7,0	-	-	-	-	68	1382	4381	0,44
-20		31	774	1558	0,73	31	778	1558	0,73

-20.
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 7 %
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 150-235 %, 3,15
 (. 1).
 -20
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: 64 53.

(31)

(~206 170 %).

,

- -

2- 6,5

%

9

64 73.

,

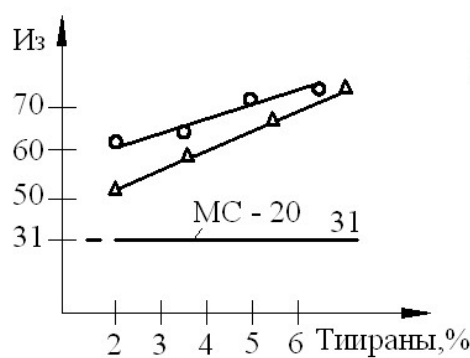
4,5 %.

20,6 %, 2 %

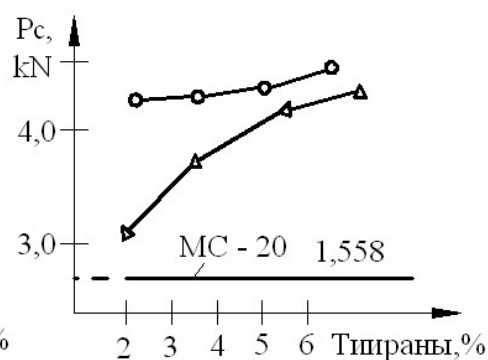
2 %

4,5 %

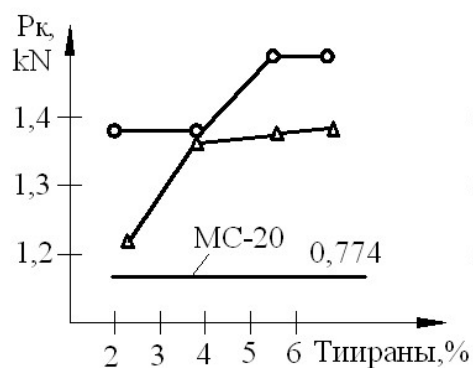
14 %.



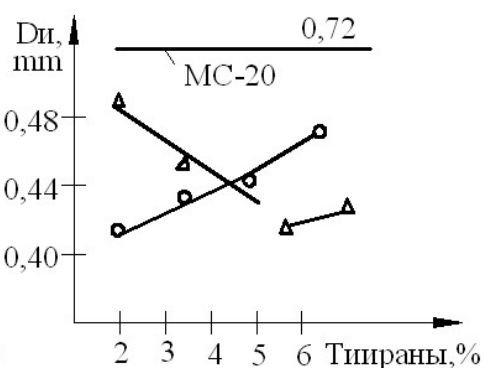
а)



б)



в)



г)

. 1.

-20

: O- , Δ

-20 2 7 %, . .

3,5 ,

20% (± 10%).

2 %-

2 (. 1,);

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(... 1, ...), 2,8 (... 1, ...);
 (... 1, ...) 1,7 ...
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 (... 1, ...) ,
 , D
 (0,42-0,48, $\pm 7,1$ %),
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 (D =0,73 ...) -20
 2- .
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 ,
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,
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 :

$$M=U_0 \cdot t , \quad (1)$$
 U_0 — , t — .
 (V)
 (γ) :

$$M= V \cdot \gamma. \quad (2)$$

(1) (2)

$$V \cdot \gamma = U_0 \cdot t.$$

$$: \quad U_0 = \frac{V \cdot}{t}.$$

():

$$K = \frac{U_{01}}{U_{02}} = \frac{V_1}{V_2} = \frac{V_1}{V_2},$$

$U_{01} \quad U_{02} -$

- -20

;

$V_1 \quad V_2 -$

-20

,

:

$$V = \pi h^2 \left(R - \frac{h}{3} \right); \quad (3)$$

$$h = R - \sqrt{R^2 - r^2}, \quad (4)$$

, R - , $R=6,35$;

r -

h -

-

;

(3), (4) $V_1 \quad V_2$, >4 .

-20

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(1)

(2; . 2).

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1 616

N-

40 ,

1

4-4-17

45 ,

7 .

20799-88 , 2-

(-20).

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- 0,20; 2,02; 3,77 / .

- 1; 3; 5 ;

: 1.

-20

20799-88,

2. -20 2-

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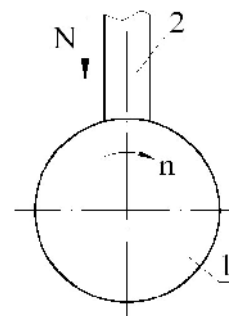


Рис. 2. схема трения

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 1. / . ; . - :
 , 1988. - 488 .
 2. (, ,) / . . ,
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 3. / - : ,
 1985. - 320 .
 4. / . . , . . //
 II 80-
 . - , 2011. - . 114-
 116.
 5. 2- /
 . . , . . // .
 - 2008. - . 44, 7. - . 958-961.

20.02.2012.

X. .

X.N.Alieva

INCREASE THE TRIBOLOGICAL CHARACTERISTICS LUBRICATING OILS ADDITIVES THIIRANES

This paper presents the results of research on higher antifriction properties of lubricating oils with additives added to them thiiranes. Revealed that 2% of the impurity leads to a higher all tribological characteristics of oil -20, increases the wear resistance of rubbing in base oil lubrication and steam -20 .

Keywords: tiiran, additive, lubricant, friction, oil, wear and tear.