

621.793

83, *MoS<sub>2</sub>*,  
 , 0,06 / *f* *MoS<sub>2</sub>*  
*f.*  
 . , 1,2 . % *f*  
 , *MoS<sub>2</sub>*,  
 50 %, *f* – 76 %.  
 : , , ,  
 , , ,  
 83

83

),

(

HRC 45-46,

8-10

-

[9].

150×15×22

0,06 / ,

0,5

5

(

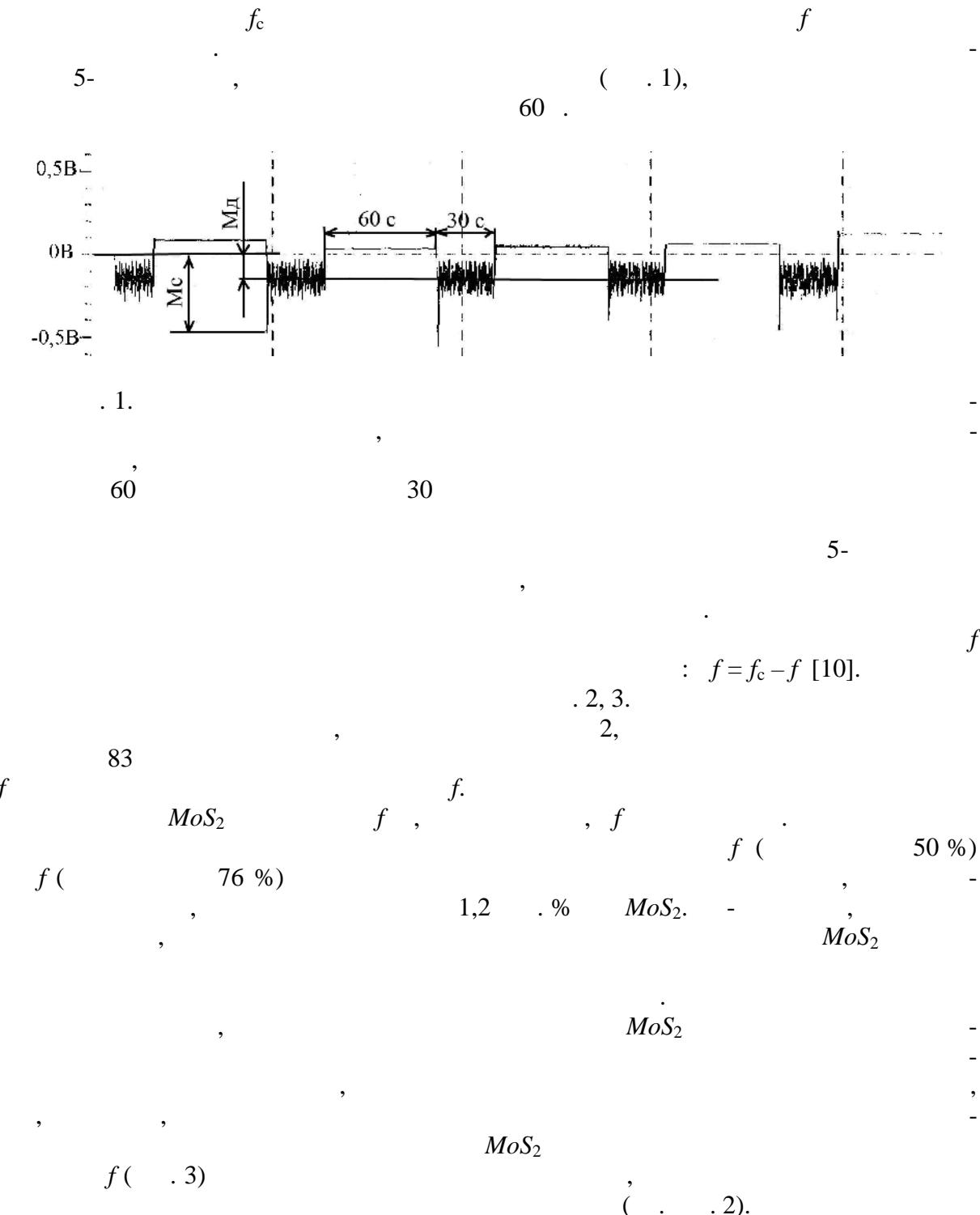
1000 )

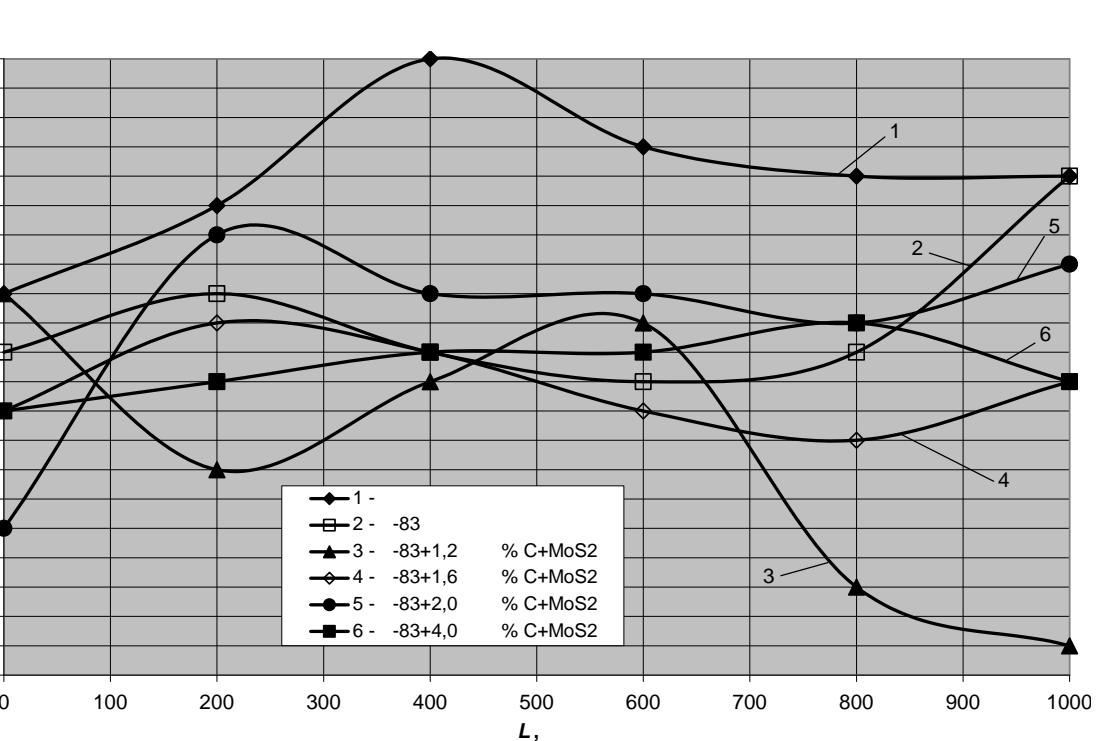
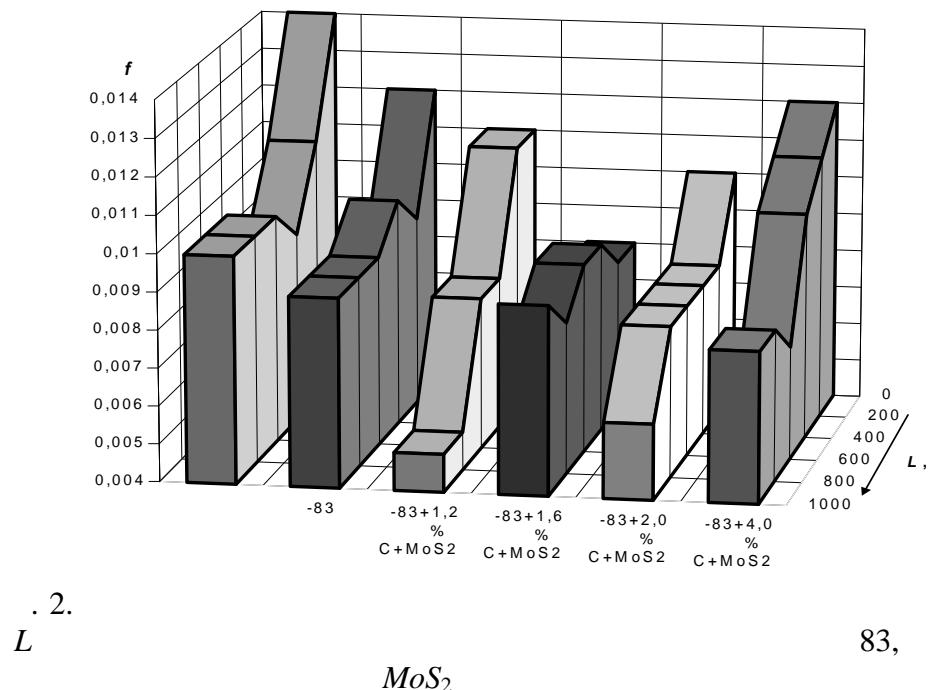
8 /

3

-20 ( 20799-88)

60





. 3. (I)  $MoS_2$  (2-6)  $f$  83, - 5 , -  
 $L - 1000$  )

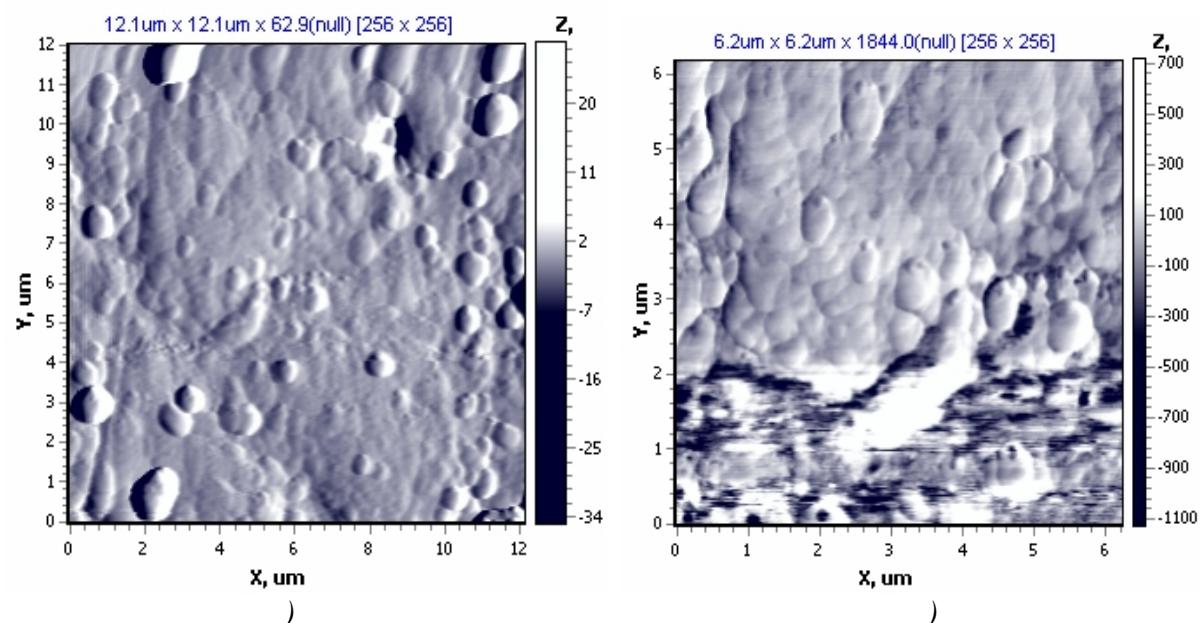
4 83+ +*MoS*<sub>2</sub> 1,2 . %  
 . , ( . 4, ),

83, *MoS*<sub>2</sub>, ,

, ,  
0,06 /

$$f: MoS_2$$

,  $MoS_2$ , 50 %,  $f = 76\%$ . , 1,2 . %  $f$



. 4.  
 $83+ + MoS_2$  ( ) ( ) ( )

1. : . . 1 / . . . . .  
.. , 1972.-664 .  
2. , . . : . . / . . , . . . . - 1- . -  
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*MA Levantsevich,  
N. Maksimchenko, VN Kalac*  
**RESEARCH OF THE INFLUENCE OF  
COATINGS SMOOTH RUNNING MOBILE  
TOOL UNITS**

As a result of tribological testing of coatings, made of babbitt B-83-doped solid lubricating materials s and MoS<sub>2</sub>, found that, compared with the sample uncoated, in conditions of unilateral rotation and the sliding speed of 0.06 m/s place has a positive effect coatings on the reduction of the dynamic friction  $F_D$  and criteria against surges properties  $f$ . One-to the influence of concentration of alloying elements of C and MoS<sub>2</sub> this reduction is ambiguous. Studied coatings best results provided coating, formed from a donor, containing not more than 1.2 wt. % of alloying additives and MoS<sub>2</sub>. By the end of the cycle of tests specified coverage has contributed to the reduction  $F_D$  50 %, and the  $F$  - 76 %

**Key words:** slide-ways, movable unit of metal-cutting equipment, cladding by flexible tool, antifrictional coating, babbitt 83

, 83, -  
MoS<sub>2</sub>, -  
, , -  
, 0,06 / -  
 $f$   
 $f$ .  
MoS<sub>2</sub>  
, -  
, 1,2 . % , MoS<sub>2</sub>.  
 $f$  50 %,  $f$  - 76 %  
, -  
, 83

15.05.2013 .