

10-2004



2005

28413-89

Hydraulic drive volumetric pumps and motors.
Methods of accelerated tests for reliability

23.100.10
41 4100, 41 4200

01.07.91

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1.
1.
1.1. ()
1.2. — 17108.
1.3. — 17108, 2.
1.4. , -
1.5. , 3. -
1.6. .5. 1 2.
1.7. 1 , -
1.8. 2 ,
2.
2.1. (-
1. 1 -
2.1.1. 1 ,
2.1.2. 1 ,

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2.2. 1 2.1.1

2.2.1. (1, 2 2)

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2.2.2. 2.2.1 t_2

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2.2.3.

2.2.3.1.

, , -

AM

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, —; AM

, = Δ —.

2.2.3.2.

2.2.3.3.

/ = _ (.3 2).

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, ..., ,

2.2.3.4.

(.4 2).

2.2.3.5.

= i_{\min} 1 (.5 2). $p=fis.$)

2.3.

1,

2.3.1.

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2.3.1.1.

, . 2.2.1 2.2.2, 5—6

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2.3.1.2.

2.3.1.3.

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AM

;

A Q

;

AQ

AQ/p.

2.3.1.4.

AM =

= $j[AQ/p]$. (.6 2). $(AQ/p)_{\min}$. . ,

3.3. :

3.3.1. , .

3.3.2. , .

3.4. 1
(,) 99 %,

coj

3.5.

AQ

30 .
5 %—10 %,

17216 2

3.6.

.12 2 .13 2—

1 1—2 ,
.14 2.

3.7.

. 3.6 1 2

1 2 = 0,1 1

.3.5.

3.8. . 3.6

3.9.

. 3.6 2 = 0,9 1

3.10.

1 . 3.9

.11 2)

$4 = PI^*$; 50—60 .

2.

3.11.

.3.8.

5 6 $5 = \frac{P_5 + P_4}{2} = \frac{P_5 + P_4}{2} + 4$

3.10.

(^)

. 3.6, 3.9

3.12.

(. 3.9,

3.10 3.11).
3.13. . 3.9
3.14. . 3.3.1,
3.6, 3.9, 3.12.
3.15. , . 3.3.2,
3.16. 2
3.16.1. (,
)
2) = / (N) (. 15
,
-
3.2.1 3.2.3.
3.16.2. $p_t \neq (M)$.
N= 10⁸.
N= 10⁸,
3.16.3. $\neq ()$ N = 10⁸ (. 16
2).
4.
4.1. —
4.2. 1 2.
:
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4.3. 1
. 2.2.3.5, 2.3.1.9, 2.3.2.2.4.
4.4. 2
4.5. 1 2
)
) (. 17 2).
5.
5.1. 1 2 (-
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:
(- ?
(- 1)
 $Z(p-p)^2$
-1
— ;

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— ;
 — (—
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= 0,9, : t_s

$$\frac{\sigma_a^2}{\sigma_y^2} \leq \frac{n}{t_s^2} .$$

t_s , .

	3	4	5	6	7
4	2,35	2,13	2,01	1,94	1,89

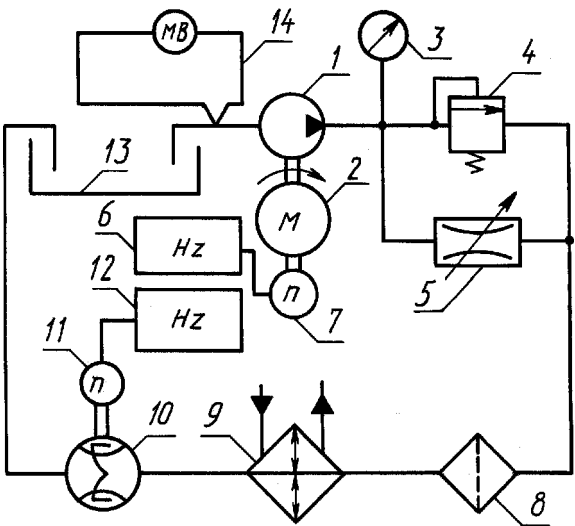
5.2.

3.

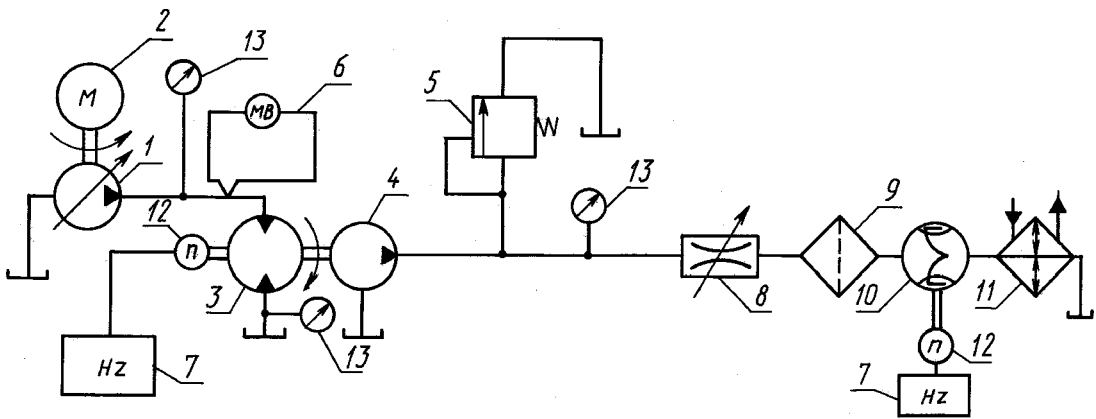
6.

— 12.2.040.

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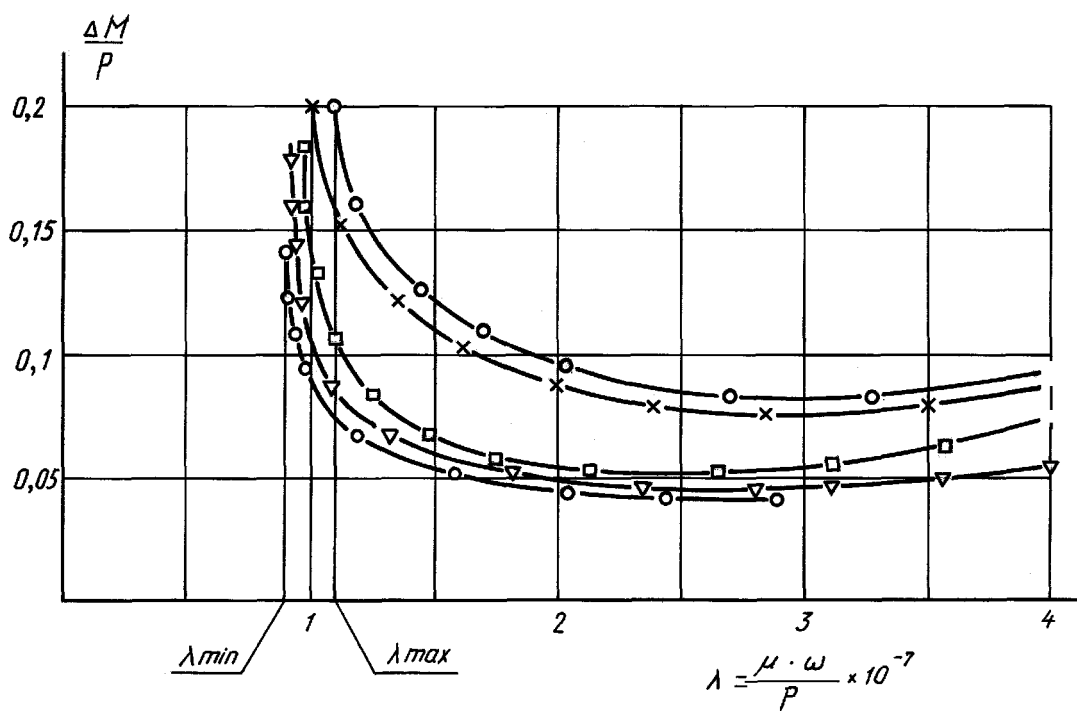


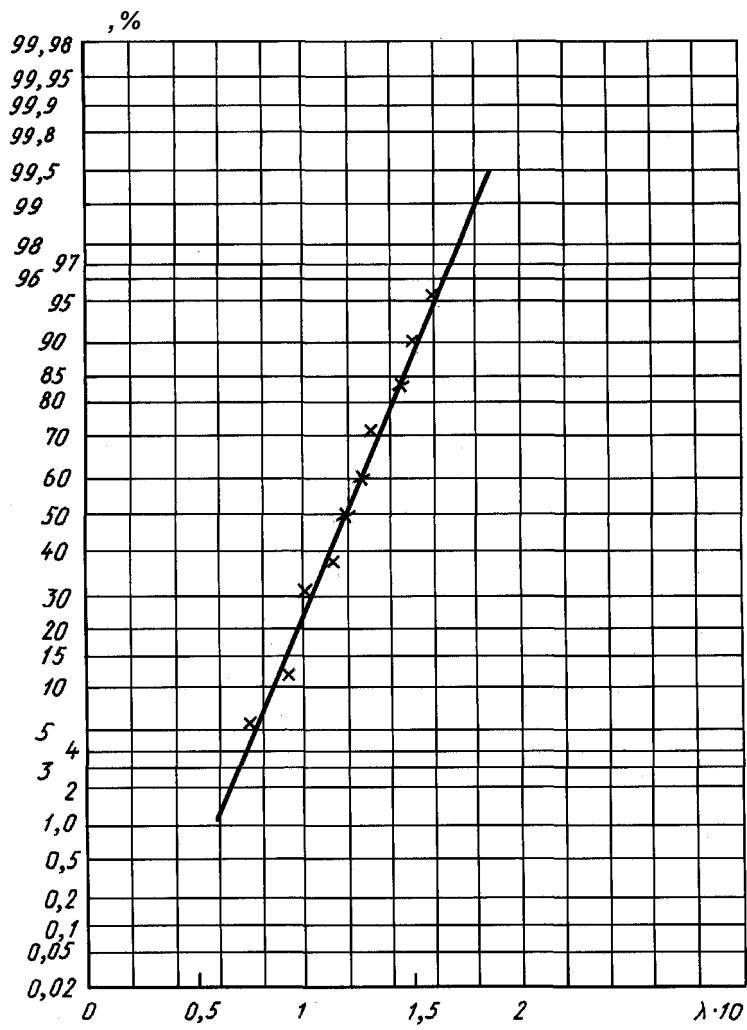
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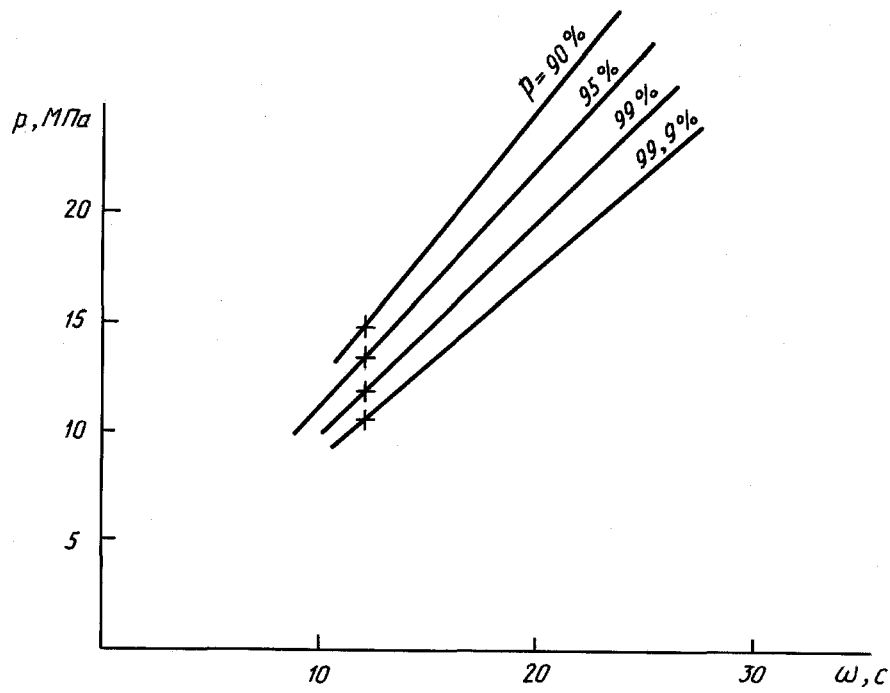


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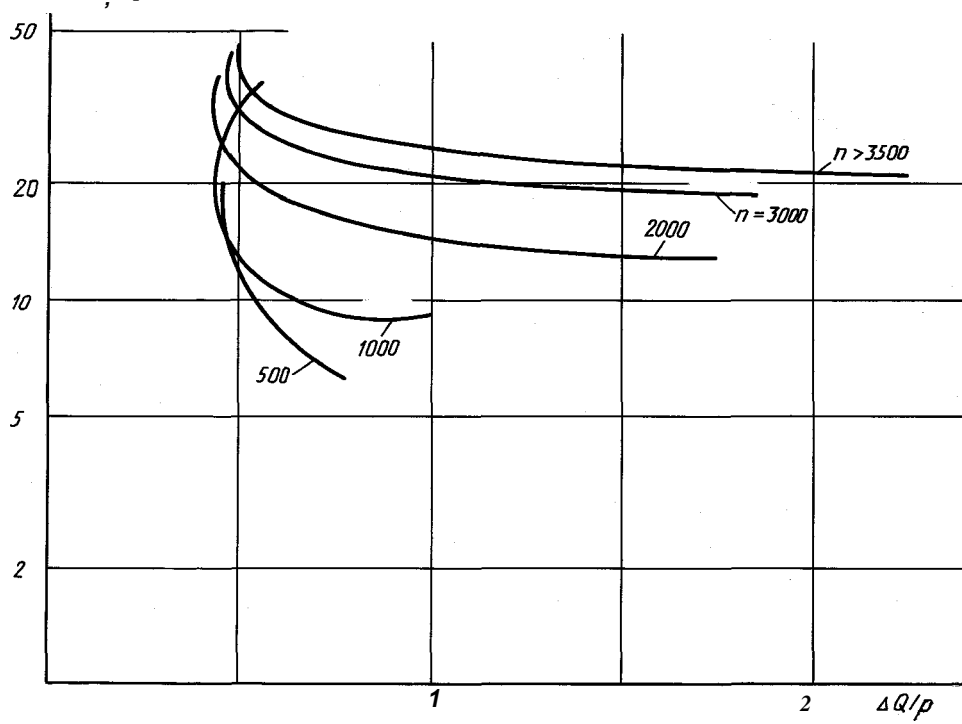
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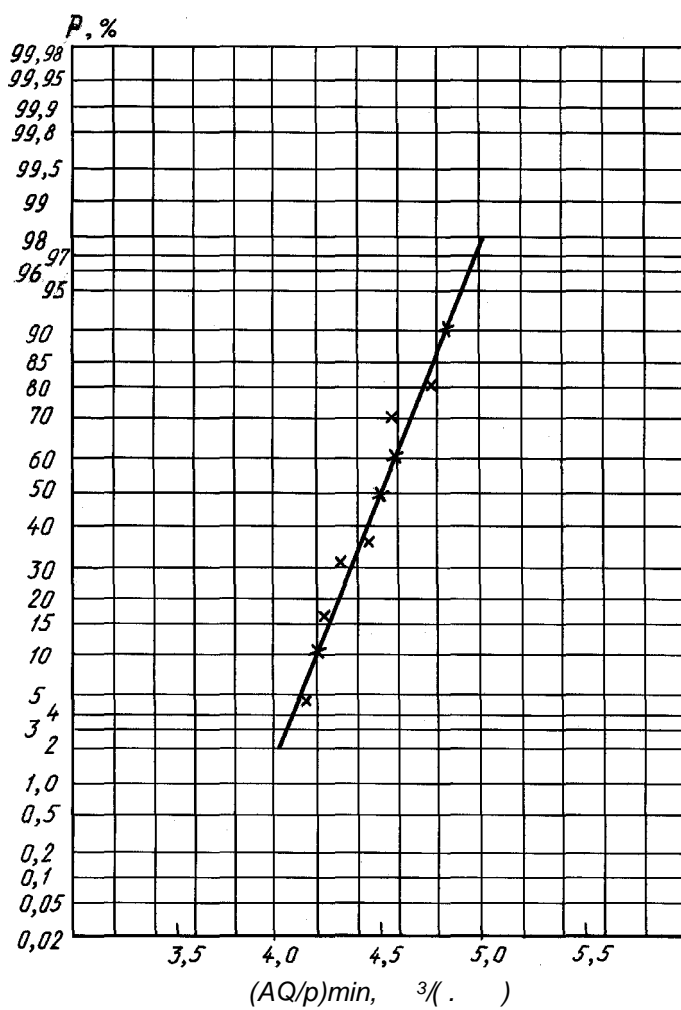




. 5

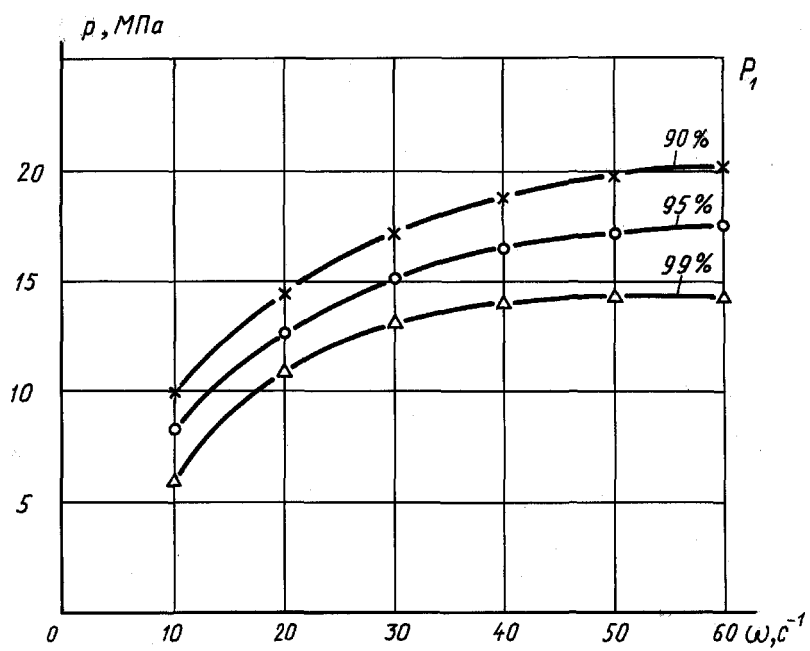


. 6



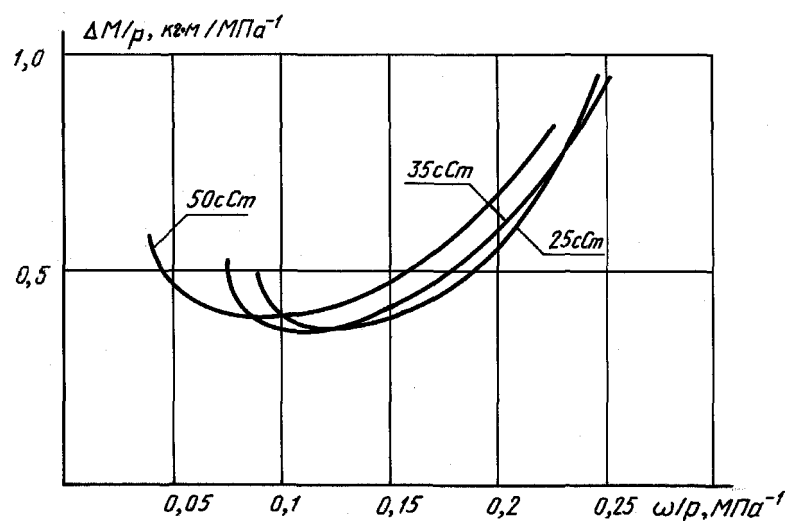
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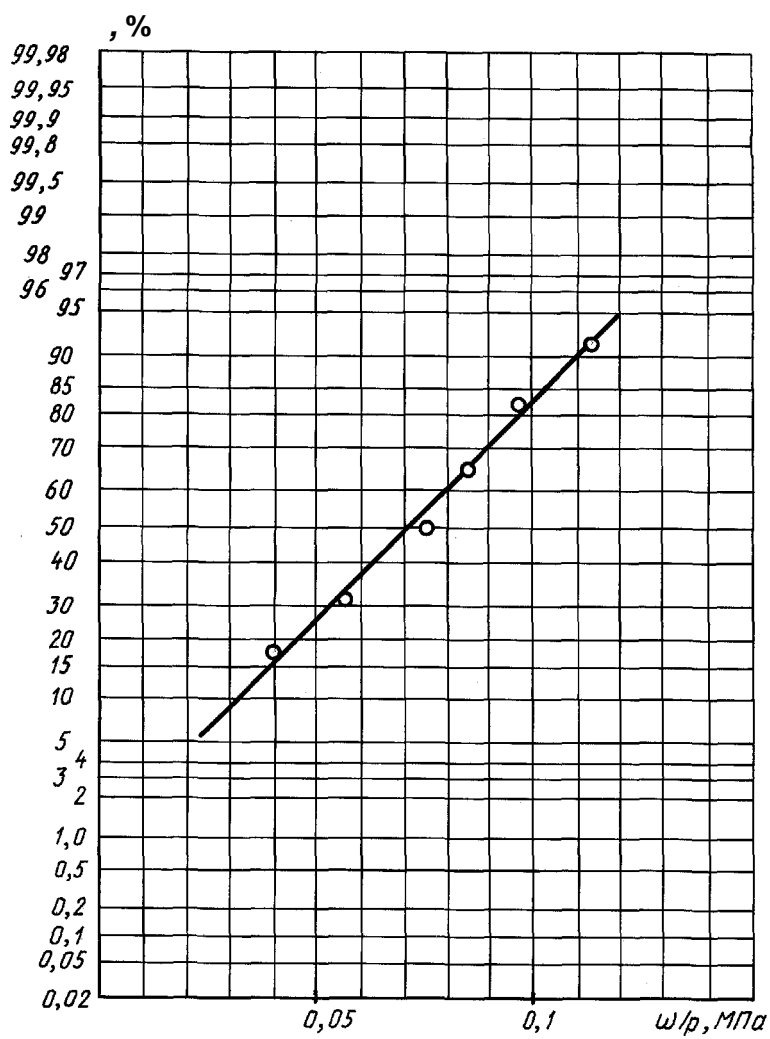


Черт. 8

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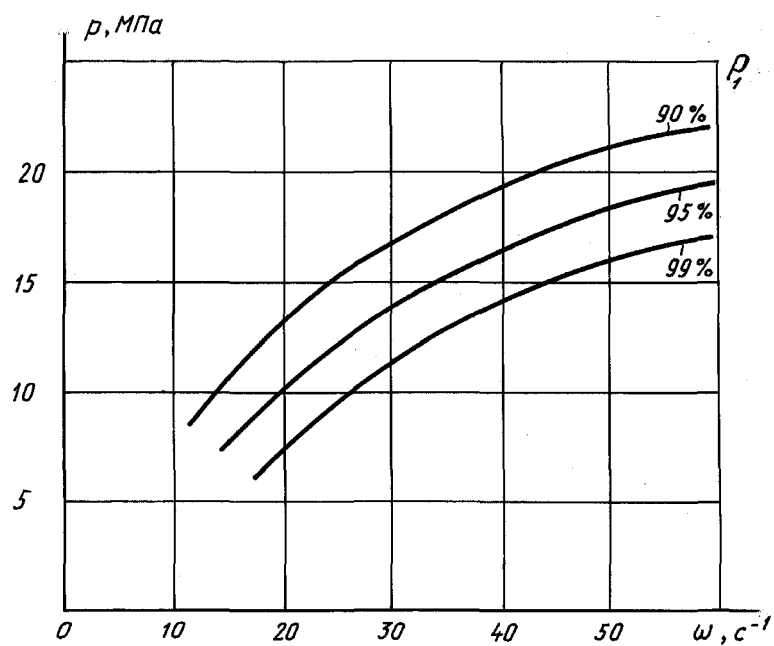


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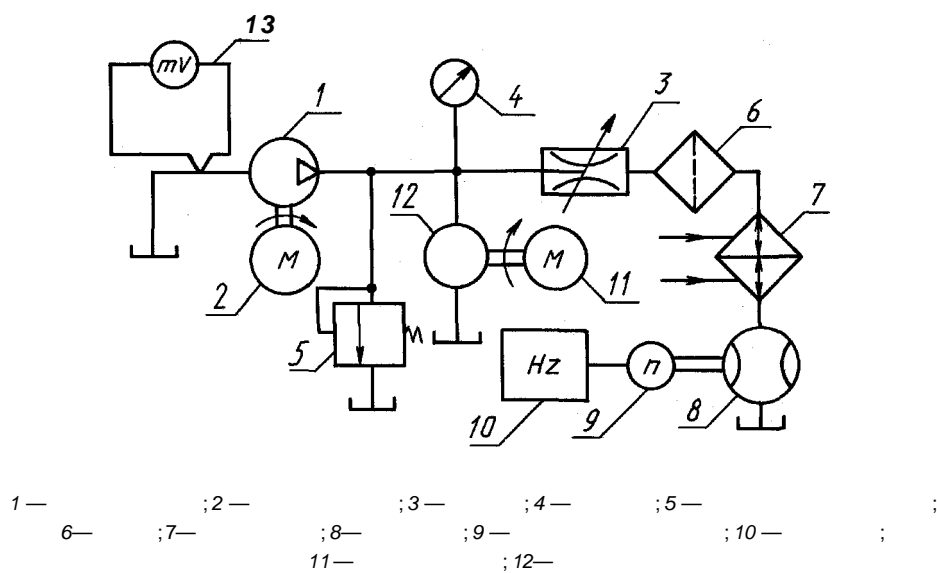
. 10

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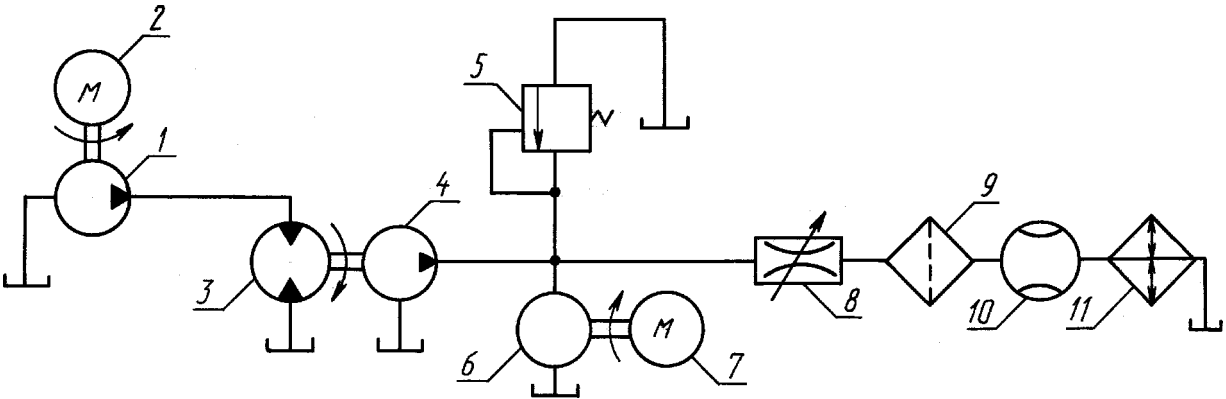
. 11

2



. 12

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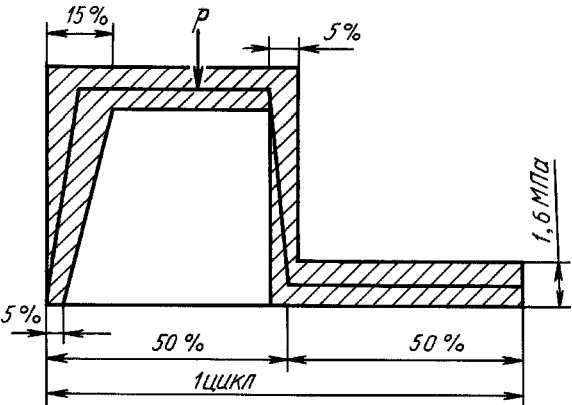


1— ; 2— ; 3— ; 4— ;
5— ; 6— ; 7— ; 8— ; 9— ;
10— ; 11—

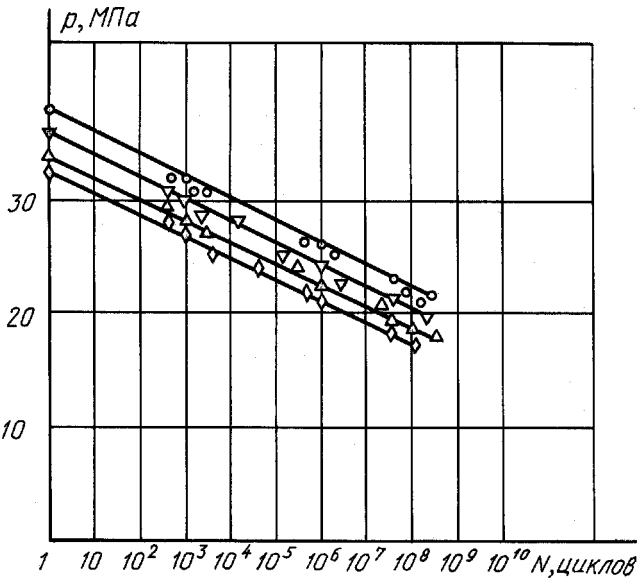
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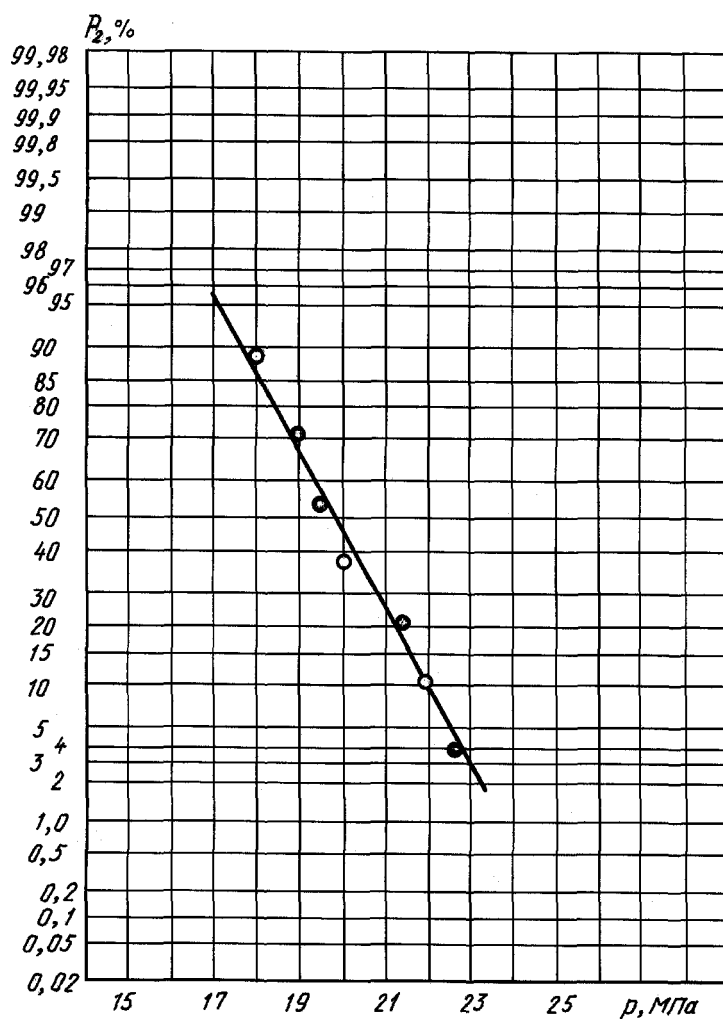
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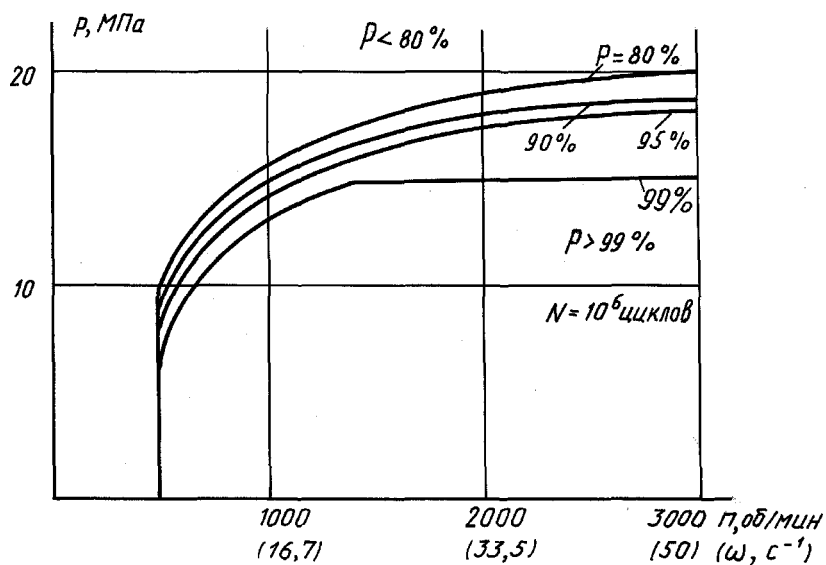
Черт. 14



. 15



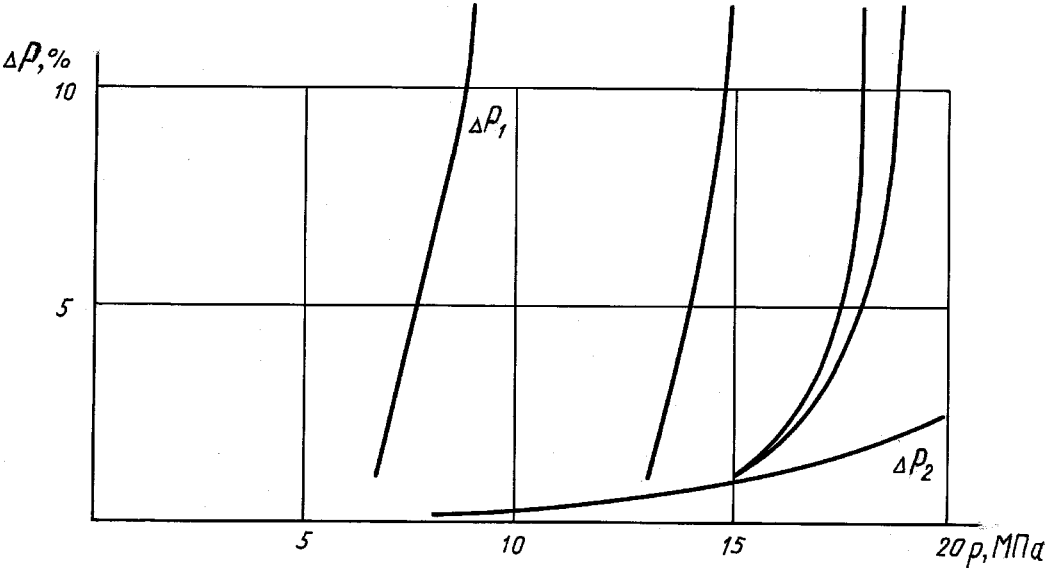
32—3



32-3

1. 32—3 1 . 2.3.2, . .
(. 11), 2. 2
(. 16 2). 1—Pi 1— 2
(. 18).
4. « ».
5. 32—3 :
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97 % 1 .

1 (1) (2)



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2. 27.12.89 4153

3.

4. -

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17216-2001	3.5

5. . AeiyCT 2005 .

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