



9934-2-  
2011

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I S O 9934-2:2002  
Non-destructive testing — Magnetic particle testing — Part 2: Detection media  
(IDT)



2013

27 2002 . Ns 1&4- « — 1.0—2004 « », .  
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13 2011 . Ns 1113-

4 9934\*2:2002 « \*  
2. » (ISO 9934\*2:2002  
«Nondestructive testing — Magnetic particle testing — Part 2: Detection media»).

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5.1	.....	2
5.2	.....	2
5.3	.....	2
6	.....	2
6.1	.....	2
6.2	.....	3
7	.....	3
7.1	.....	3
7.2	.....	3
7.3	.....	3
7.4	.....	3
7.5	.....	3
7.6	.....	4
7.7	.....	4
7.8	.....	5
7.9	.....	5
7.10	.....	5
7.11	.....	5
7.12 pH	.....	5
7.13	.....	5
7.14	.....	5
7.15	.....	5
8	.....	6
9	.....	6
10	.....	6
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6 ( )	.....	9
( )	.....	12
( )	.....	15
.....	.....	15

9954\*2—2011

2. 9934\*2:2002 «  
particle testing — Part 2: Detection media») (ISO 9934\*2:2002 «Non-destructive testing — Magnetic  
CEN/TC 133 AFNOR 1 135 «  
».

## Non-destructive testing. Magnetic particle testing. Part 2. Detection media

— 2013—01—01

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1330-1

1.

(EN 1330-1, Non-destructive testing — Terminology — Part 1: General terms)

EH 1330-2

2.

(EN 1330-2, Non-destructive testing — Terminology — Part 2: Terms common to non-destructive testing methods)

EH 10083-1

1.

(EN 10083-1, Quenched and tempered steels — Part 1: Technical delivery conditions for special steels)

EH 10204

(EN 10204, Metallic

products — Types of inspection documents)

EH 12157

(EN 12157, Rotodynamic pumps — Coolant pumps units for machine tools — Nominal flow rate, dimensions)

EH 2160

(EN ISO 2160, Petroleum products — Corrosiveness to copper — Copper strip test (ISO 2160:1998))

EH 3059

(ISO 3059:2001) (EN ISO 3059, Non-destructive testing —

Penetrant testing and magnetic particle testing — Viewing conditions (ISO 3059:2001))

EH 3104

(ISO 3104:1994) (EN ISO 3104, Petroleum products — Transparent and opaque liquids — Determination of kinematic viscosity and calculation of dynamic viscosity (ISO 3104:1994))

EH 9934-1

1.

(ISO 9934-1:2001) (EN ISO 9934-1, Non-destructive testing — Magnetic particle testing — Part 1: General principles (ISO 9934-1:2001))

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9934\*3 3.  
( 9934\*3:2002) (EN ISO 9934\*3, Nondestructive testing — Magnetic particle testing — Part 3: Equipment (ISO 9934\*3:2002))

12707 \*  
( / 12707:2000) (prEN ISO 12707, Non-destructive testing — Terminology — Terms used in magnetic particle testing (ISO/DIS 12707:2000»

2591\*1 1.  
(ISO 2591-1, Test sieving —Part 1: Methods using test sieves of woven wire cloth and perforated metal plate)

4316 pH -  
(ISO 4316, Surface active agents — Determination of pH of aqueous solutions — Potentiometric method)

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1330\*1. 1330\*2 12707.

3.1 (batch):

4

5

5.1

5.2

5.3

6

6.1

9934\*1. 9934-2 9934\*3.

6.2

7

7.1

7.1.1

7.1.2

7.1.3

7.2

7.3

7.3.1

7.3.2

7.3.3

7.4

7.1.1.

7.5

7.5.1

7.5.1.1

L—

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1 2,

8.

1 2.

7.1.1

( . ) .

$d_i$ : 10 %  
 $d_a$ : 50 %  
 $d_v$ : 10 %

50 % of;  
 $d_a$ :  
of;

$d_u$ ,  $d_a$

$d_{\%}$  1.5  $d_u$  40 .

, tf, 40 .

5

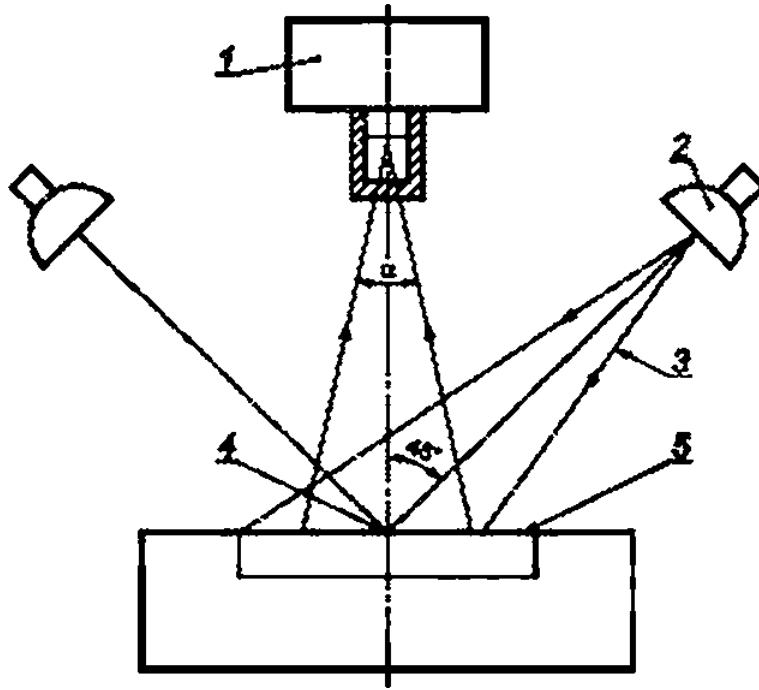
$$fi = UE_a$$

1.

(45±5)\*.

UV(A)  
±10%.

3059.



— :2— :3— :S— :4—

1—

— 8 \* 20\*.

200 / 2 UV(A)

40 .

10 / 2 15 / 2.

7.5.1.2

7.5.1.3

0 1.5 / .

7.5.1.1.

7.5.1.1 30

UV- 20 / 2.

5%.

7.5.2

10 %

7.6

UV- 10 / 2.

7 10<sup>-9</sup> (5.5 )

0.1 N H<sub>2</sub>SO<sub>4</sub>.

7.7

( )



7.8

7.8.1

7.8.2

2160.

7.9

3104.

5 - (20 ± 2) “ .

7.10

7.10.1

( )

120 .

40

• 12157 — 160-270-1;  
• — RI NB.

• 5 :  
• 5 .

( . 7.1.1)

120 .

7.10.2

7.10.2.1

2:

1) — (3000°,» )

2) — 2 .

3) 1 2 8.

4) UV- 10 / 3059.

7.10.2.2

1

2 .

1

2

7.10.2.3

7.11

7.10.1 7.10.2.

7.12 pH

pH

4316. -

7.13

7.14

/

7.15

± 10

200

(200 ± 10)  
(200 ± 10)

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8

(Q)

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1.

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10204.

1.

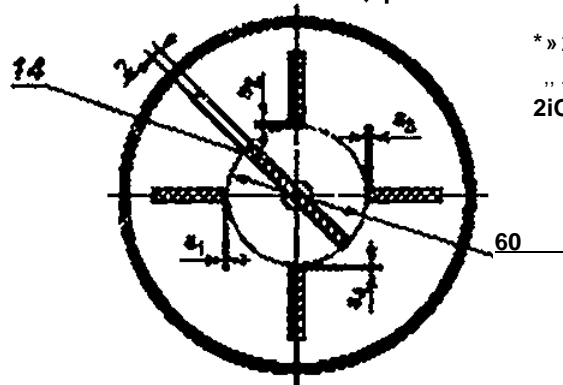
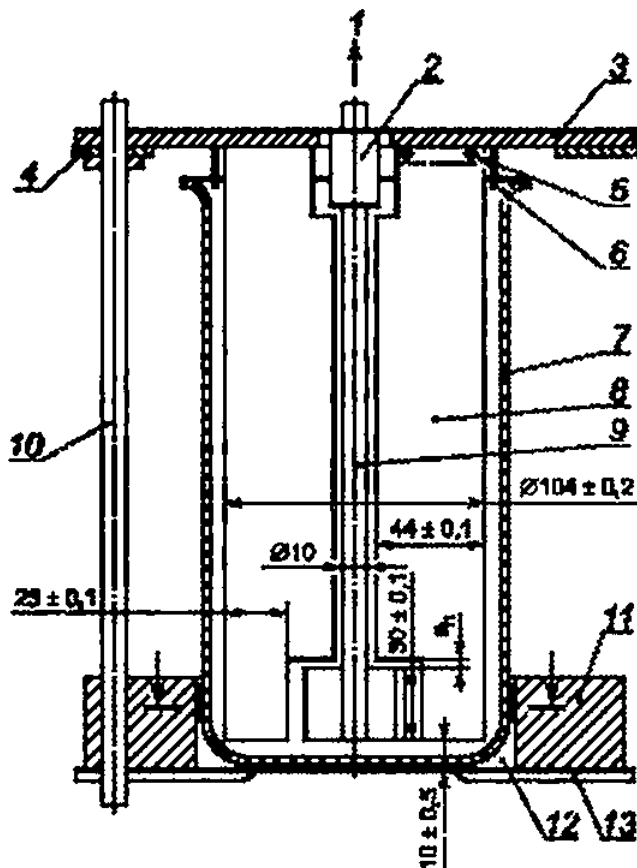
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1—

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	»	-	-	-	»		/
pH	/	//		//	//	7.1	2180 3104  4316
	//	//		Q/B/P	//	7.2	
		/		/	Q/8	7.3	
		/		/	/	7.4	
						7.5	
						7.5.1.3	
	/	/	/	/	/	7.7	
		/	/	/	/	7.	
				/	0/8	7.8.1	
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				/	/	7.10	
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					7.15		

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 2iO,2(«2\*-V2»ZtCU.

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1 — ; 5 — ; 2 — ; 3 — ; 6 — ; 7 — ; 8 — ; 9 — ; 10 — ; 11 — ; 12 — ; 13 — ; 14 — ; 15 — ; 16 — ; 17 — ; 18 — ; 19 — ; 20 — ; 21 — ; 22 — ; 23 — ; 24 — ; 25 — ; 26 — ; 27 — ; 28 — ; 29 — ; 30 — ; 31 — ; 32 — ; 33 — ; 34 — ; 35 — ; 36 — ; 37 — ; 38 — ; 39 — ; 40 — ; 41 — ; 42 — ; 43 — ; 44 — ; 45 — ; 46 — ; 47 — ; 48 — ; 49 — ; 50 — ; 51 — ; 52 — ; 53 — ; 54 — ; 55 — ; 56 — ; 57 — ; 58 — ; 59 — ; 60 — ; 61 — ; 62 — ; 63 — ; 64 — ; 65 — ; 66 — ; 67 — ; 68 — ; 69 — ; 70 — ; 71 — ; 72 — ; 73 — ; 74 — ; 75 — ; 76 — ; 77 — ; 78 — ; 79 — ; 80 — ; 81 — ; 82 — ; 83 — ; 84 — ; 85 — ; 86 — ; 87 — ; 88 — ; 89 — ; 90 — ; 91 — ; 92 — ; 93 — ; 94 — ; 95 — ; 96 — ; 97 — ; 98 — ; 99 — ; 100 —

2 —

(7.10.2)

( )

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.2

9934-1.

: 3 5 .

: (4S 2 10)®.

: (90 110)\*

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.4.1

3059.

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.4.2.1

.4.2.1.1

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.4.2.1.2

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.1.1

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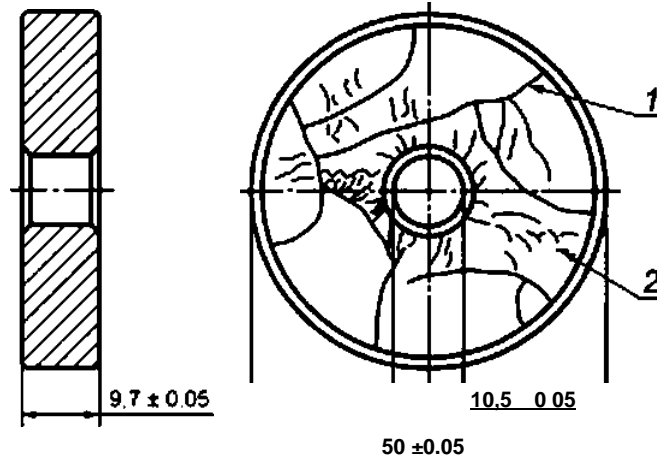
.1.2

(9.80 0.05) : (860 10)\* 2 ( 90MnCrV8).  
63 70 HRC.

35 / 46J7 0.05  
2.00  
145\* 150\* 1.S

1000 ( )  
.1.3

9934-2.



1— .2—

.1— 1

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.2.1

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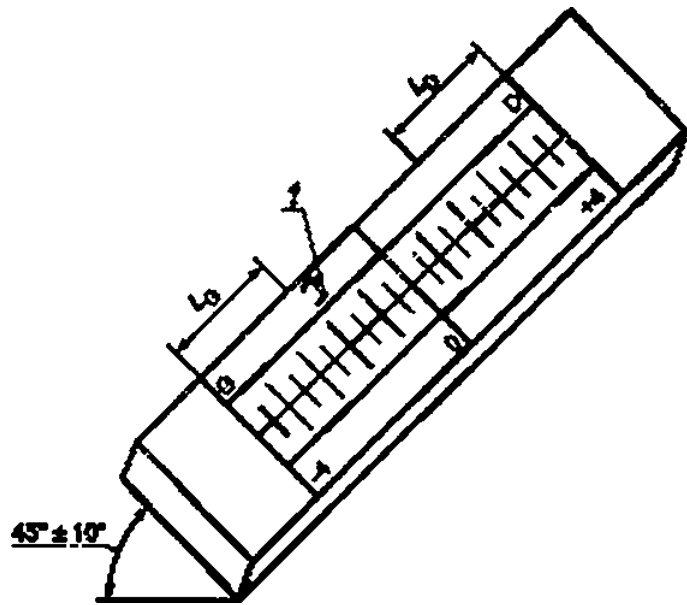
100 / .

«+4

100 /

«-4»

8.2.



— : (10 \* 10 100) 0.015 .  
 —  
 -2— 2

.2.2

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(100.5 10.5)

C1S

10083\*2.

{ . . . .2).

.2.2.2

\* 1.6

< 5

50 \*

.2.2.3

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1S

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$R_t * 1.6$

( : . CF 12-6N).

0.2



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.2.2.  
 6.2.2.11

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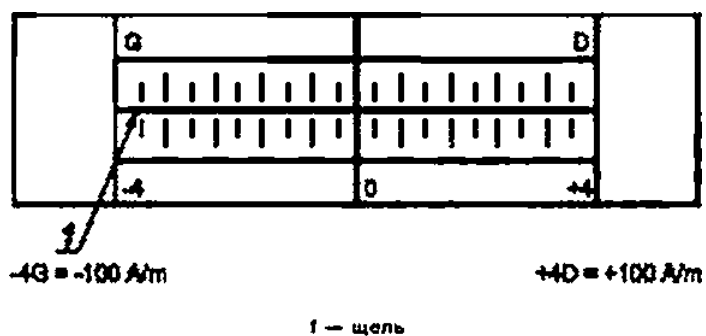


Рисунок В.4 — Гравировка эталонного образца типа 2

6.2.3

.2.3.1

\*+4» «-4\*.

.2.3.2

«-4»: -100 / ± 10  
 «+4»: \*100 / 10 %.

6 2.2.9

6.2.3.3

2

9934-2.

( )

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.2.1

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.2.3

( 90 )  
40

100

.2.4

.2.5

2591-1.

.2.6

0.1

.3.1

.3.2

.3.3

grade 2 40 (

10083-1),

2.5 \* 2.5

.3.4

(S > 0.18 % < 0.12 %)

2.5» 2.5

C.3.S

.3.6

: 40 1<sub>2</sub> - 6  
: 44 MgSO<sub>4</sub> 7 ,0

1

1

.3.7

) 2.90

0,5

1

b) 10.7

+ 1.7

1

c) 19

3

1

.4

.4.1

(100 )

100

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.3.7].

( )).

.4.2

40

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(2 ±0.1)

.4.3

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$(23 \pm 1)^*$      $2 \pm 10$

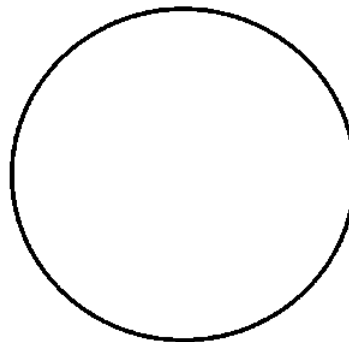
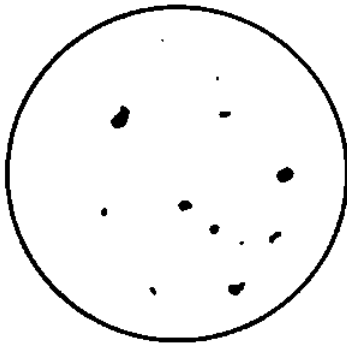
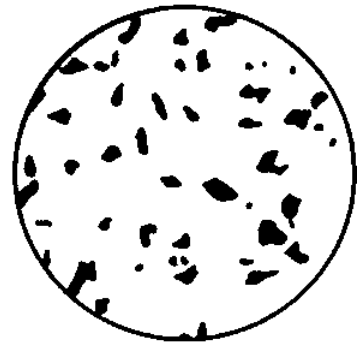
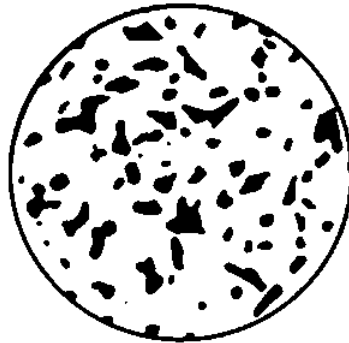
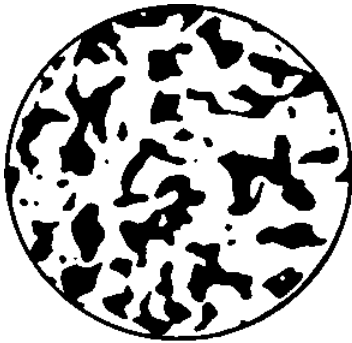
C.S

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0			
1		3	1
2		1 %	
3		1 %	S %
4		5 %	



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.6

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EH 1330-1	—	•
EH 1330-2	—	•
EH 10083-1	—	•
EH 10204	—	•
EH 12157	—	•
EH 2160	—	•
EH 3059	—	•
EH 4	—	•
EH 9934-1	IDT	9934-1—2011 « 1. »
EH 9934-3	MOD	53700—2009 ( 9934-3:2002) « 3. »
12707	—	•
2591-1	—	•
0 4 16	—	•
<p>* ( )</p> <p>— 8</p> <ul style="list-style-type: none"> <li>• IDT — ;</li> <li>• MOD — .</li> </ul>		

ISO 3819. Laboratory glassware (beaker)  
 BS 3408-5. Methods for determination of particle size distribution. Recommendations for electrical sensing method (the Coulter principle)  
 Nf X 11-686. Particle size analysis of powders — Diffraction method

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