

(t₁)

680⁰

2 3

SiO₂-TiO₂-Na₂O

650⁰

: 1. SiO₂ - ZrO₂ - LiO₂ // - 1962 - .59-70. 2.Index to X-Ray Powder Data Fill, ASTM, 1962. 3. 1997. - 144 . 4. . 5053251 , 32 035/00; 05D001/38. Method for repairing glass-lined equipment by sol-gel process/Hara; Tatsuo (Kobe, JP); Wada and an. - 529935; . 29.05.90; . 1.10.91. 5. // “ ”, . - 2004. - 516. - .146-149.

26.09.06.

665.73

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In given article the method for an estimation of quality of motor oil which is based on measurement of dielectric permeability is offered. Methodological features of the given method are described and the mathematical description of the received results is carried out and the mistake of measurements with the help of the one-factorial dispersive analysis is determined.

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[1].

-40

-10

25336-82

35

(5 - 10)

) [1].

L_k ,

[2].

$Q-$

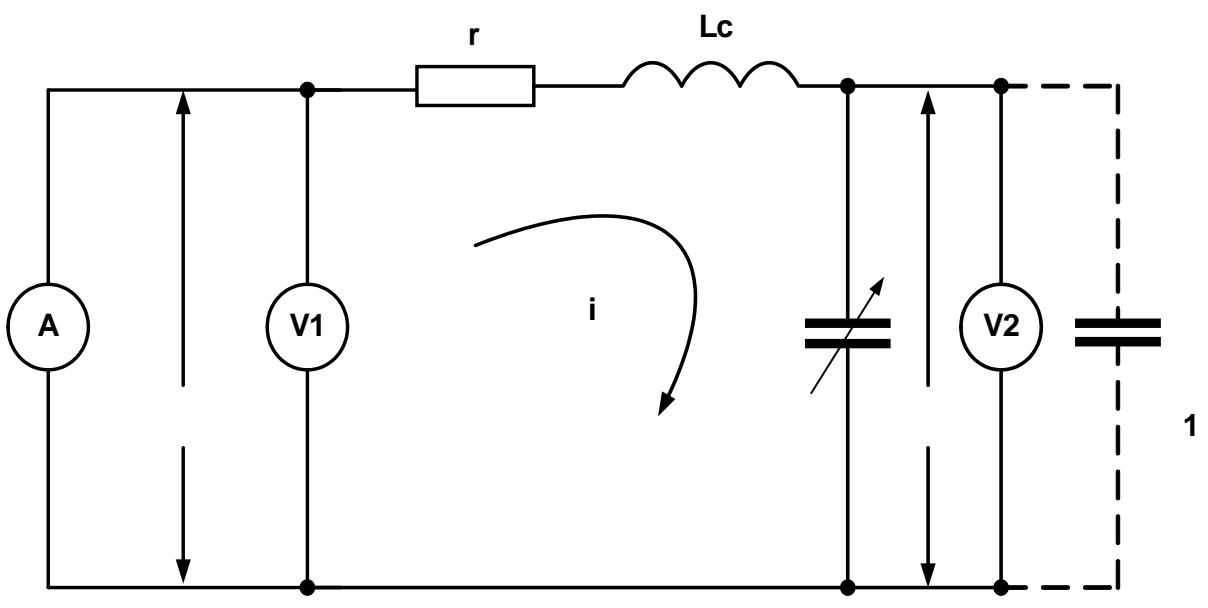
()

$Q-$

(),

.

$$Q = \dots$$



$$Q = \dots (LC) \dots$$

$$f = \dots$$

$$f = 1/2 \cdot (LC)^{1/2}$$

$$\dots (1), \dots$$

$$\dots (1), \dots$$

$$\dots (2), \dots$$

$$S \dots d \dots (1) \dots$$

$$I = \dots S / d$$

$$0 \dots$$

$$\dots$$

$$v_2 = v_0 \cdot S / d,$$

:

$$= v_2 / v_1.$$

,

$Q -$

.

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. 1

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SAE 10W-40.

1

	0	163	254	360	503
1.	2,3392	2,3790	2,3923	2,4254	2,4586
2.	2,3326	2,3738	2,3856	2,4320	2,4652
3.	2,3352	2,3763	2,3923	2,4294	2,4652
4.	2,3392	2,3790	2,3896	2,4320	2,4678
5.	2,3326	2,3763	2,3923	2,4267	2,4586
6.	2,3392	2,3790	2,3896	2,4267	2,4678
7.	2,3368	2,3745	2,3856	2,4320	2,4678
8.	2,3326	2,3790	2,3856	2,4320	2,4586
	18,6874	19,0169	19,1129	19,4362	19,7096

, . 1

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. 2.

2

, .	4	0.0774	$1935 \cdot 10^{-5}$
	35	0.0003	$0,8600 \cdot 10^{-5}$
	39	0.0777	

:

$$F = 1935 \cdot 10^{-5} / 0,8600 \cdot 10^{-5} = 2250$$

$$F_{1-p}(4 ; 35) = 2,65.$$

$$F > 2,65,$$

[3].

$$= 0,95.$$

:

$$S_y = (0,86 \cdot 10^{-5} / 8)^{1/2} = 0,0010$$

.3

$$f = 35$$

$$p = 0,05$$

3

	2	3	4	5
, r	2,875	3,025	3,110	3,185
r · S _y	0,0029	0,0030	0,0031	0,0032

- $_{503} - _0 = 2,4637 - 2,3359 = 0,1278 > 0,0032;$
- $_{503} - _{163} = 2,4637 - 2,3771 = 0,0866 > 0,0031;$
- $_{503} - _{254} = 2,4637 - 2,3891 = 0,0746 > 0,0030;$
- $_{503} - _{360} = 2,4637 - 2,4295 = 0,0342 > 0,0029;$
- $_{360} - _0 = 2,4295 - 2,3359 = 0,0936 > 0,0031;$
- $_{360} - _{163} = 2,4295 - 2,3771 = 0,0524 > 0,0030;$
- $_{360} - _{254} = 2,4295 - 2,3891 = 0,0404 > 0,0029;$

$$\begin{aligned}
 254 - 0 &= 2,3891 - 2,3359 = 0,0532 > 0,0030; \\
 254 - 163 &= 2,3891 - 2,3771 = 0,0120 > 0,0029; \\
 163 - 0 &= 2,3771 - 2,3359 = 0,0412 > 0,0029.
 \end{aligned}$$

SAE 10W-40,

$$0,3 \cdot 10^{-3}$$

: 1. 6581 - 75.
 01.01.88. 2.

3.

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543.062: 621.1

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