

629.113

1, 2, 1.
I
2 « »

-4310

400 50-60%

[1, 2]

() 6
15

[3].

$$Q = \frac{1}{\eta_o} \left[AU_k + BU_k^2 V_a + C \left(G_a \Psi + 0,077 k F V_a^2 \pm 0,1 \beta G_a V_a \right) \right]$$

$$A = \frac{7,95 a V_h U_o}{H \rho_T R_k} ; B = \frac{0,69 b V_h S U_o}{H H \rho_T R_k^2}$$

$$C = \frac{100}{H H \rho_T \eta}$$

$$V_h - , 3;$$

$$U_o, U_k -$$

$$g e - , /100 ;$$

$$v_a - , / ;$$

G_a - ;
 Ψ - ;
 k ; F - ;
 η - ... ;
 ρ - , / ³;
 H_H - ;
 β - ;
 η_i - ... ;
 S_n - ;
 R_k - ;

(Ψ) ,
 Ψ_0 ,
 $x_3 = +1, 0 -1$
 Ψ
 -4310
 -1
 $[4]$.

()

- 4310

	-	V_a (/) (x_1)	Ψ (x_2)	G_a , (x_3)	
				- 4310	Hummer M998 A2
	+1	40	0,055	15000	4600
	0	30	0,035	11500	3800
	-1	20	0,015	8000	3000

Q_s

$$x_1 = \frac{V_a - 30}{10}; x_2 = \frac{\Psi - 0,035}{0,020}; x_3 = \frac{G_a - 11500}{3500}$$

()

$$Q_s \text{ (/100)} \quad (8$$

.2) [6]:

$$Q_s = 49,83 - 5,1x_1 + 13,9x_2 + 8,0x_3 - 2,73x_1x_2 + 2,93x_1x_2 + 4,78x_2x_3.$$

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- 4310

$$Q_s \quad .2,$$

$$Q_s = f(V_a, G_a, \Psi)$$

(. 2)

$$Q_s = 54,3 - 3,84x_1 + 15,04x_2 + 5,59x_3 - 1,34x_1x_2 + 1,73x_1x_3 + 4,08x_2x_3 - 0,49x_1^2 - 1,15x_2^2 + 1,47x_3^2$$

2

/	x_1 (V_a)	x_2 (Ψ)	x_3 (G_a)	x_1x_2	x_1x_3	x_2x_3	$(x_i')^2$	Q	Q
1	-	-	-	+	+	+	1/3	35,2	35,6
2	+	-	-	-	-	+	1/3	29,5	29,8
3	-	+	-	-	+	-	1/3		64,1
4	+	+	-	+	-	-	1/3		37,8
5	-	-	+	+	-	-	1/3		41,0
6	+	-	+	-	+	-	1/3		37,3
7	-	+	+	-	-	+	1/3		79,0
8	+	+	+	+	+	+	1/3		74,0
9	0	-	-	0	0	+	-2/3	31,2	31,4
10	0	+	-	0	0	-	-2/3		60,1
11	0	-	+	0	0	-	-2/3		39,0
12	0	+	+	0	0	+	-2/3		78,4
13	0	0	+	0	0	0	-2/3		60,2
14	0	0	-	0	0	0	-2/3	58,8	58,4
15	+	0	+	0	+	0	1/3		56,2
16	-	0	-	0	+	0	1/3	60,4	60,9
17	+	0	-	0	-	0	1/3	53,4	53,1
18	-	0	+	0	-	0	1/3		66,2
19	0	+	0	0	0	0	-2/3		62,7
20	0	-	0	0	0	0	-2/3		35,4
21	+	0	0	0	0	0	1/3		52,0
22	-	0	0	0	0	0	1/3		63,0
23	+	+	0	+	0	0	1/3		67,0
24	-	-	0	+	0	0	1/3		38,0
25	+	-	0	-	0	0	1/3		32,2
26	-	+	0	-	0	0	1/3		67,1
27	0	0	0	0	0	0	-2/3		54,7

()

. 2
0,2 - 13%

Q_s
 $V_a(x_1)$,
 $\Psi(x_2)$,
 $G_a(x_3)$.

V_a

Q_s

20 - 40 / (

),
2, 3 4

-4310
50-80 / 5-

60 / Q_s ,

8e

Q_s

$\Psi(x_2)$;

G_a

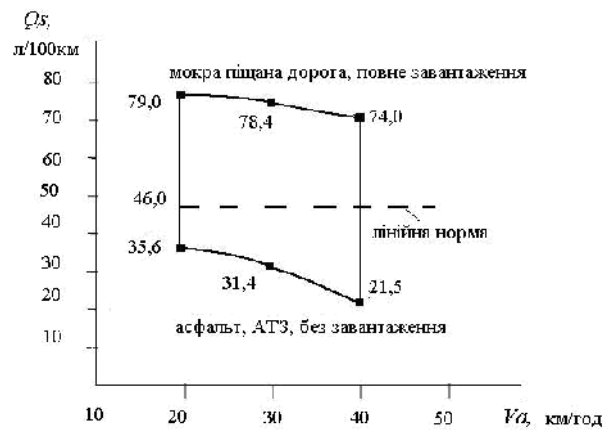
(x_3^2)

Q_s .

Q_s

-4310
 Q_s . 1,

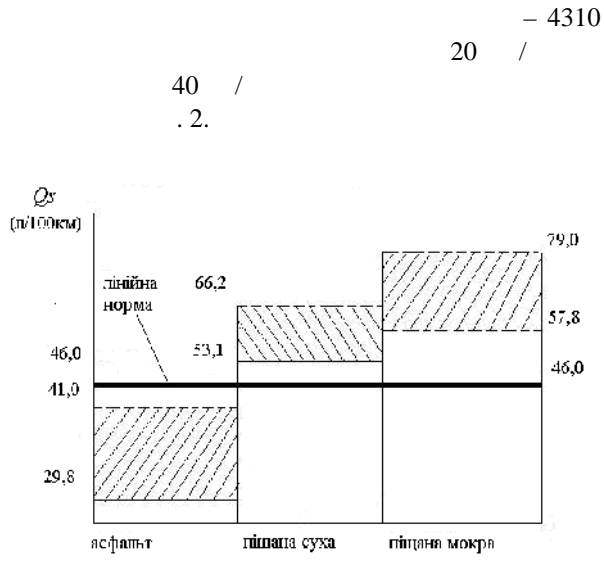
Q_s



. 1.

- 4310

[5]



. 2.

- 4310
[5]

. 2

(Ψ_0)
 Q_s

Q_s 10 -

[5].

3

Q_s (/100)
 V_a
 G_a
 $Q_s = f(V_a, G_a, \Psi)$
 V_a
 Q_s
(. . .) ;
(b_{ij})
 G_a

$$Q_s = f(V_a, G_a, \Psi),$$

V_a ,
 Q_s (/100),

V_a, G_a, Ψ

V_a

Q_s

