

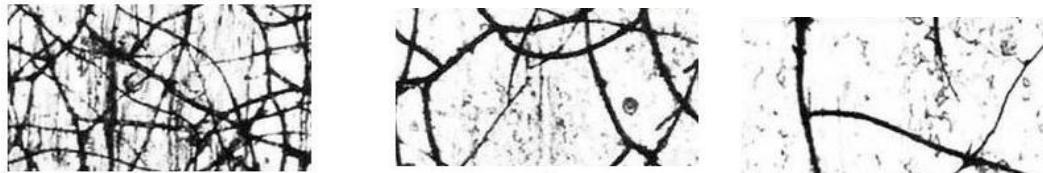
It is certain, that the basic technological reason of poor quality Domestic combine and auto-tractor engines, there was a underestimation materiology aspects during reception of materials and manufacturing of details. It is shown, that developed technology mutual operational development of details should be accepted, as the basic technological precondition for reengineering systems of manufacture, repair and operation combine and autotractor engines.

3,0 0,8

(200 20) CPN-200 (Ni-Co-P , , Si₃N₄),

500 (GOETZE).

(. 1[1]),



. 1.

:) 3 ;) 5 ;) 10

, (, « -3»),
- 70 - 80-

, , 90- ,) () (

()

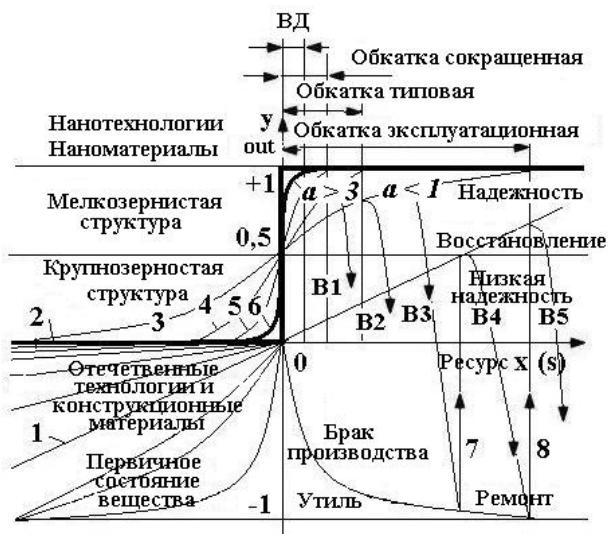
[2]:

$$F(s) = \frac{1}{1+e^{-as}}, \quad (1)$$

$$F(s) - s,$$

1-

$$D_m = 1/10^6 = 10^6).$$



.2.

(1 5-),

[3].

$$D_i = 10^7 - 10^8 \cdot ()$$

(= 6)

$$- 10^9 - 10^{12}.$$

(. 1- 5),

[4]. 1- , 2-4-

2- , , 1- , 1-
 - , , 100
 -14 (4 12,0/14,0) , 60-

$$S_I \quad [8], \quad Q_I \quad S = 0,75 \quad Q \\ S = 0. \quad S_I - \quad 0,05 \quad , \quad S - \\ Q_I \quad 3-2, \\ S_I - \quad S -$$

$$\vdots \\ \gamma = \frac{\Delta D}{D} \cdot 100\%, \quad (2)$$

$$), \quad ; D - \quad , \quad (\quad 120 \quad .$$

$$Q_I \\ [5]:$$

$$= \frac{14,14Q}{b \cdot S_0 \Psi} \left(\frac{D}{t} - 1 \right)^3, \quad (3)$$

$$Q - \quad ; S_0 - \quad (S_I) \quad S = 0,75 \quad , \quad . , S_0 = (S_I - 0,75) \quad ; \quad - \\ , \quad 0,979.$$

[5]:

$$Q = \frac{Q_I}{k}, \quad (4)$$

$$k - \quad , \quad , \quad 2,6. \\ h_r$$

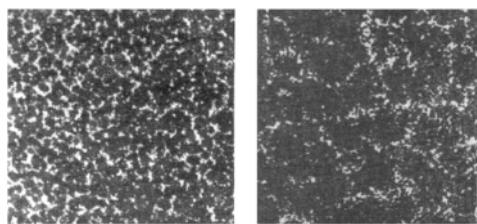
-7 [6].

$$2-5\% \\ [7].$$

$$, \quad S_I = 16,0 \quad (\quad .1) \\ (\quad . \\ 50 \cdot 10^3 \quad ^2, \quad .3), \\ 115 \cdot 10^3 \quad ^2, \quad .3).$$

1.

$S_{I,}$	$10^3,$	$Q,$,%	$h_r,$
16,0	115,9	188,4	1,4	73,03
19,0	98,3	225,6	2,5	100,74



16,0 ,

, $S_I =$

$S_I = 19,0$

(),

.3.) () [7]

= (19,05 - 20,35)

) , (

($h_r = 123,5$ -

211,7),

$Q = (71,3 - 94,3)$.

$h_r = 100,0$ -

182,3 ,

- 60,2 - 79,6 .

: ,

$h_r = 82,3$, $h_r = 52,9$,

- $Q = 84,9$,
- $Q = 142,3$.

, , , , - 2,69 /

1,03 / , , , (0,44 - 0,60) / .

, , , , ,

Q (, . 1).

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«

» [9].

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[10]. , , ,

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[5,7]

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1.

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; 2)
; 3)

2.

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