

620.193.

M.P.

NACE. 20 NACE, 20 -
NACE, m NACE.

In this article the role of the cyclic loadings on resistance of pipe steel 20 in hydrogen sulphide solution of NACE is discussed. Shown that the cyclic loadings reduce strength before destruction of steel 20 in hydrogen sulphide solution of NACE in which it is inclined to stress corrosion cracking. Specified that at permanent middle tension of cycle σ_m , the increase of amplitude of the cyclic loadings reduces resistance of pipe steel a 20 destruction in the environment of NACE.

[1].

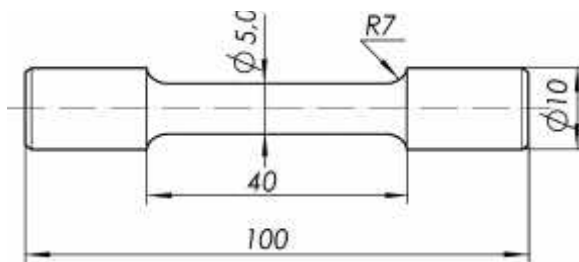
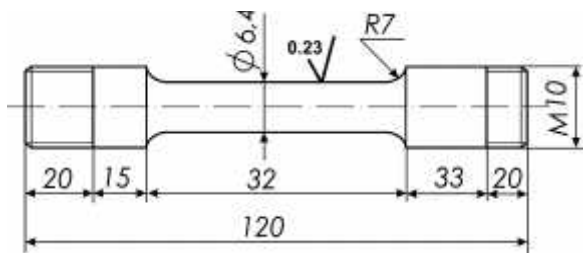
(0,2 % ; 0,25 % Si; 0,45 % Mn; = 400 ; 0,2 = 290 ; = 20 % = 45 %). (. 1),

6,4 5 [2, 3], 10 . -

H₂S (), NACE 3 – 4, 20 ± 2 ° [2].

: 5 % NaCl + 0,5 % CH₃COOH +

(720).



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[3].

-5,

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0,5 .

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(m, max,

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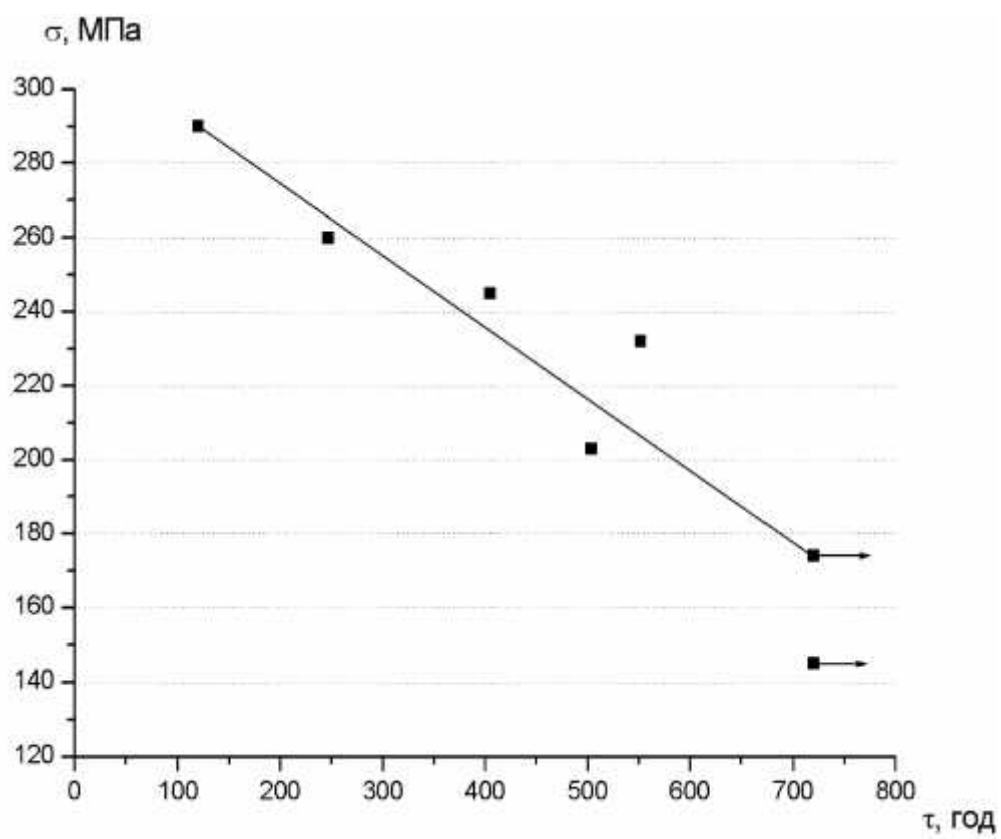
= 160

[4],

H₂S, 0,8 (0,2).

. 20

= 0,6 (. 2).



.2. - τ .20 NACE

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1 (.3): -1 = 210

260 [5], $2 \cdot 10^5$, $-1 = 0,8$.20 -
NAC ,

[6].

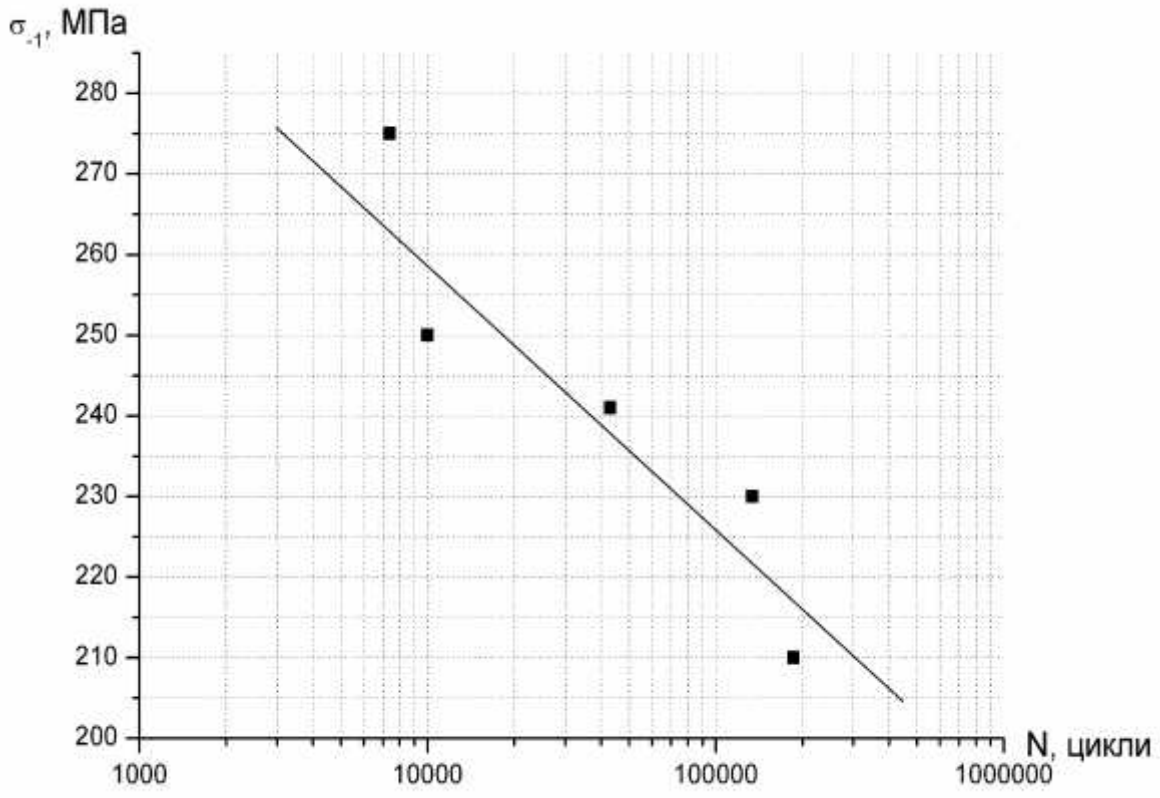
m,

, 160 , -
- .20 (.2 .4, .1, 2, 5).

, (.4, .1, 2).
m

, m 160 205 , 1,2 ,
570 470 , 1,2

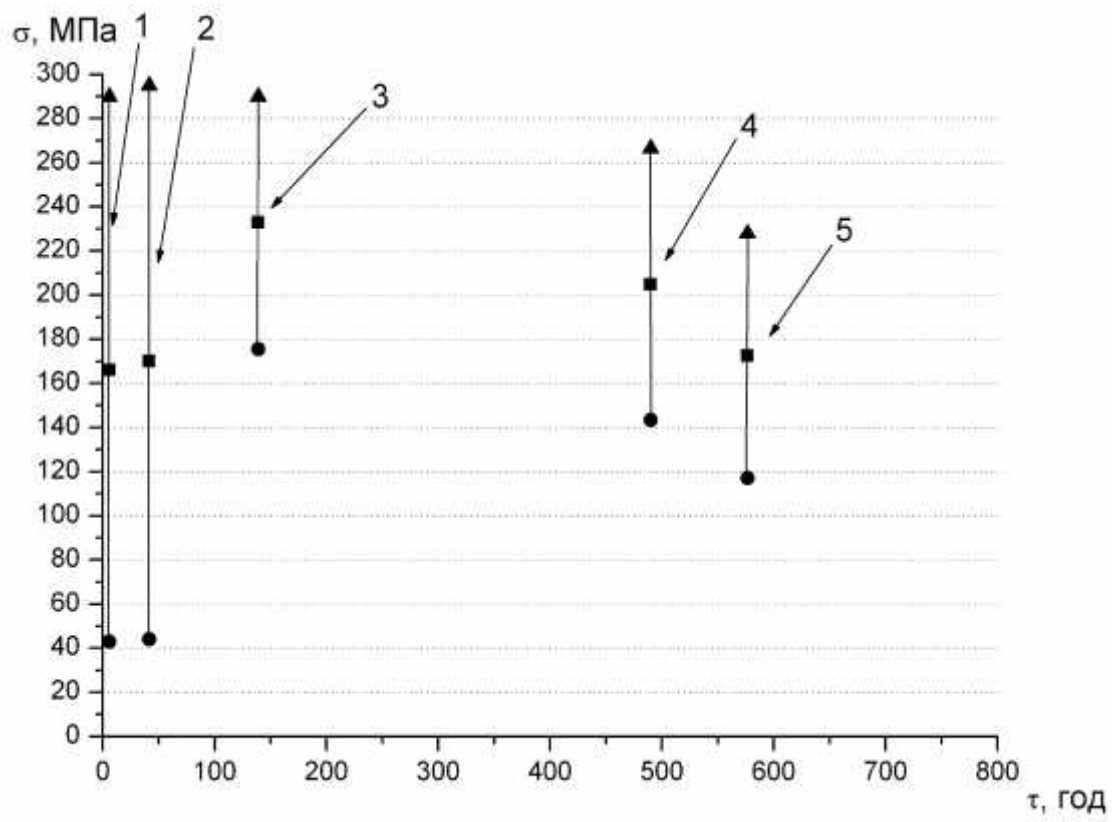
(.4, .4, 5).



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NACE

