

Corrigendum

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Sulfide stress cracking of nickel-containing low-alloy steels

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In the previously published article, equations 3, 4 and 9 were wrong. The authors regret the mistakes. The correct equations are:

$$M_s = 539 - 423 \cdot C - 30.4 \cdot Mn - 17.7 \cdot Ni - 12.1 \cdot Cr - 7.5 \cdot Mo \quad (3)$$

$$V_\gamma = \exp[-0.011 \cdot (M_s - T_q)], \text{ valid for } M_s > T_q > -80^\circ\text{C} \quad (4)$$

$$J_{ss} = -D_{lat} \cdot \partial C / \partial x = D_{lat} \cdot C_0 / L \quad (9)$$

Additionally, in page 20 where it says “Against current NACE TM0177 recommendations (NACE, 1996), which suggest to clean the specimens mechanically to remove corrosion products or to conduct cross-section analysis, Dunlop bent the specimens after removing them from the environment to evaluate the presence of cracks. Thus, it cannot be stated whether the cracks grew in the environment or after removal from the environment during the bending step, where pits and trenches could act as stress raisers, as criticized by Craig (1982)”. it should say “Current NACE TM0177 recommendations (NACE, 1996) suggest to clean the specimens mechanically to remove corrosion products or to conduct cross-section analysis, and to bend the specimens after removing them from the environment to evaluate the presence of cracks. During the bending step pits and trenches could act as stress raisers, as criticized by Craig (1982)”.

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