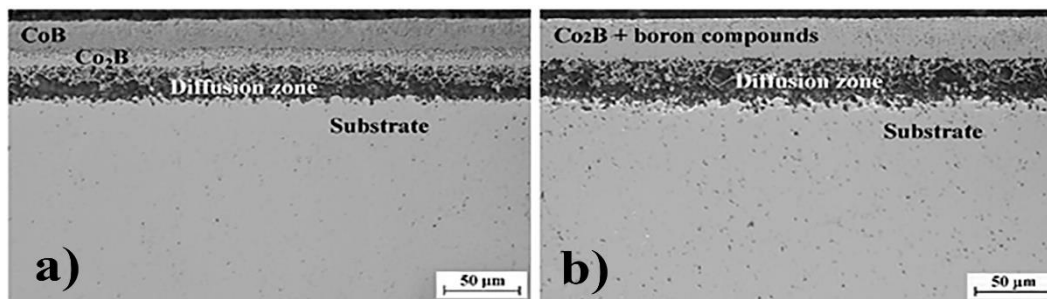
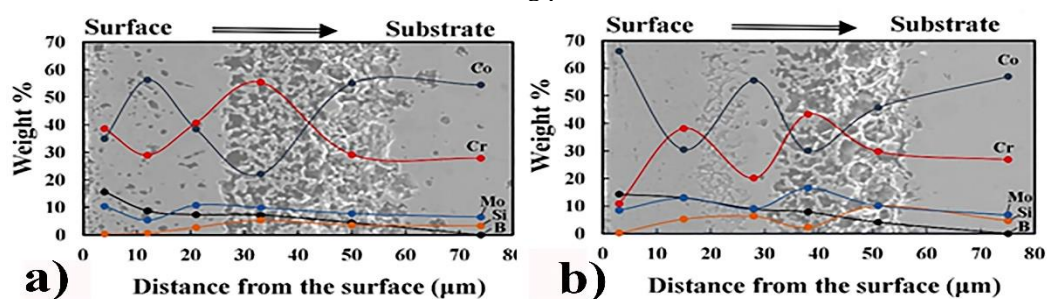


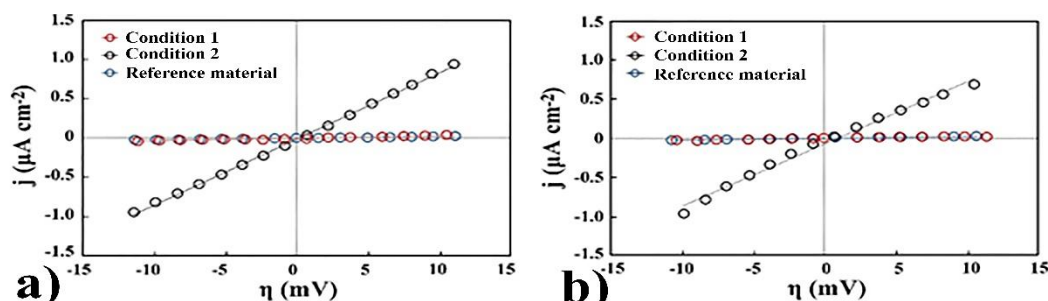
## Influence of the diffusion annealing process in the corrosion susceptibility of cobalt boride layer immersed in Hank's solution



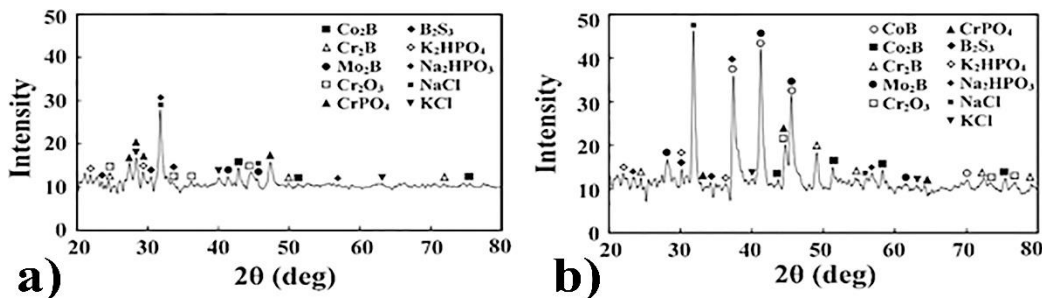
**Figure 1.** Cross sectional view: a) borided CoCrMo alloy and b) CoCrMo alloy exposed to the diffusion annealing process.



**Figure 2.** Chemical content distribution obtained by the EDS analysis in a) Condition I and b) Condition II.



**Figure 3.** Linear polarization results obtained from the potentiodynamic polarization test performed in the condition I, II and the reference material a) 1<sup>st</sup> day and b) 7<sup>th</sup> day of immersion in the Hank's solution.



**Figure 4.** XRD analysis performed after the 7<sup>th</sup> day of immersion in the Hank's solution a) Condition I and b) Condition II.