HLWYM HEmails

From: Darrell Dunn [darrell.dunn@swri.org]
Sent: Friday, January 26, 2007 2:55 PM
To: Xihua He
Subject: RE: NACE presentation

I noticed that repassivation did not occur with the Ti cathode. A really long term test might be interesting to see if complete repassivation is ever observed with this couple. I think the single crevice cell you designed would be better for that. Otherwise you would have to wait for many possible initiation events with a multiple crevice specimen. Either way replicate measurements would be long and tedious.

The cathodic scans would defiantly be worthwhile since they are easy to run. In the interim you may want to compare open circuit values if you recorded these to both Ti and the Alloy 22 cathode plates.

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From: Xihua He [mailto:xhe@cnwra.swri.edu]
Sent: Friday, January 26, 2007 1:21 PM
To: darrell.dunn@swri.org
Subject: RE: NACE presentation

Darrell,

Thank you for pointing that out. I think your suggestion is good. I will plan on it. The more intriguing thing is that I never observed complete repassivation when I coupled Alloy 22 to Ti Grade 7 as I coupled Alloy 22 to Alloy 22 in 5 M NaCl solution at 95°C.

Thanks,
Xihua

> -----Original Message-----
> **From:** Darrell Dunn [mailto:darrell.dunn@swri.org]
> **Sent:** Friday, January 26, 2007 12:38 PM
> **To:** xhe@cnwra.swri.edu
> **Subject:** RE: NACE presentation
>
> Compare the regression equations in Slide 5 and in slides 10 and 12. It is the same fit but I think you changed units of depth from mm (on slide 5) to micrometers on slides 10 and 12. Since the Y axis is depth in micrometers in both cases, I suggest you use that equation.
>
> The results obtained when Alloy 22 is coupled to Ti Grade 7 are very interesting and certainly intriguing to your former advisor. It may be worthwhile to have some cathodic scans for Ti Grade 7, Alloy 22 and Pt. I don't suggest including them in the presentation but it would be good knowledge to have. This will help to determine if It grade 7 is a more efficient cathode compared to alloy 22 or not. If not the explanation of the results for Ti Grade 7 would be difficult.

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From: Xihua He [mailto:xhe@cnwra.swri.edu]
Sent: Friday, January 26, 2007 12:00 PM
To: darrell.dunn@swri.org
Subject: NACE presentation

Darrell,

I attached the presentation for you to look. The presentation has gone through all the reviews and is ready to transmit to NRC. Please let me know if you need to make any changes.

Thanks,
Xihua

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Sent Date: 1/26/2007 2:54:43 PM
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From: Darrell Dunn

Created By: darrell.dunn@swri.org

Recipients:
"Xihua He" <xhe@cnwra.swri.edu>
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