

From: LABSYS/MARKK
Subject: Review and correction of recent ODF reports.
To: MARKK
X-To: Perry, Michael, Paul, Markk
Date: 1 Apr 99 18:02:13

Now that Mike has the ODF back up and running as its supposed to be, is it time to review the recent ODF work and make corrections if necessary? If so, who will do what?

I'm aware of two jobs done when the 90 degree rotation error probably occurred: AlliedSignal/ Rich Bellows work to document a titanium forging sample texture (54-8406) and GE/ McKinney's work on a zircalloy tube (5-8434). There may be others which could be found by database query.

It would seem that the GE jobs would have the highest priority. The recent GE job submitted by Calcaterra includes paperwork describing a legal requirement (10-CFR Part 21) make GE/ McKinney aware of any necessary corrections to reports sent to GE. We need to correct the reports as necessary anyway. The Bellows job must also be corrected. Rich told me that he was just documenting the texture and did not have an immediate use of the data. I have not checked and don't know of any other reports that need to be corrected, but there probably are some others. I think Mike has straightened things out with US Steel.

Please let me know what should be done in Lab II or by me. We are getting a fair amount of texture work in. It seems we could check the older data analysis fairly quickly using the software that Mike has set up.

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AN ALLEGER

From: LABSYS/PERRY
Subject: US Steel questions about texture.
To: MARKK
X-To: MarkK
Date: 4 Mar 99 14:27:34

Only comment I can make is that everything was done the same way. So I would think that if there is a 90 deg. rotation in D--then all the others are also wrong.

Perry.

----- Forwarded Message Follows - - - - -

From: LABSYS/MARKK
Subject: US Steel questions about texture.
To: PERRY
X-To: Michael, Perry
Date: 4 Mar 99 13:19:50

Eric Helinski of US Steel had some questions about the ODF analysis. While he's happy with the work, he believes that, at some point in the ODF analysis, something may have been rotated 90 degrees. He's just learning popLA, but he consulted with a professor at Carnegie Mellon ("he's fluent in texture", but he did not name him) who thinks that the results from D make more sense if something got rotated 90. Eric reproduced our results until he got to the ODF, where he thought that the 90 rotation occurred. Paul wants to meet with Mike and me about it tomorrow, before someone calls him back. I had told Eric that Mike will call him next week, if possible. I have the folder for the job, 999- 8183. Just wanted to let you know.

THIS DOCUMENT IDENTIFIES
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From: LABSYS/PAUL
Subject: Revision of ODF related procedures
To: MARKK
X-To: Michael, MarkK, Perry
Date: 26 Mar 99 08:40:30

Michael, please give me a copy of the pages of the Kern's number and general ODF procedures so I can make the modifications to the text necessary to avoid confusion in the future regarding the rotation of RD to 12:00.

I think we should all then have a meeting, early next week, to go over the solution to the problem.

Thanks.

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From: LABSYS/MARKK
Subject: Lab II Procedure Conformance Review.
To: MARKK
X-To: John, Chris, Beth, Markk
Date: 7 Apr 99 09:29:23

As we discussed in this morning's meeting, to correct any deviations from written methods like the ones found for the pole figure and austenite procedures, Lab II analysts will:

- 1) Check every activity done vs. method in the Lab II procedures manual, Quality Manual 3 (the blue book copy).
- 2) Follow the written procedure, if possible.
- 3) If following the written procedure is impossible due to changes in equipment or resources since the procedure was written, note the problem and initial in red ink on the Uncontrolled Method Development copy of the procedure. John will put the Uncontrolled Method Development binder together. If a copy of a procedure being used that day is not in the binder, copy the current (blue book) version, mark "Uncontrolled Method Development Copy" conspicuously on the copy, and place it in the binder. The problems will be noted on the QA log.
- 4) If there are opportunities to improve the procedure in significant ways, mark and initial those in black ink on the method development copy.
- 5) If you do a procedure exactly as written, note it on the corresponding method development copy with your initials.
If there are questions, lets discuss them and resolve them ASAP. Thanks.

Lab II Procedure Review Schedule

Participants: John Haas, Chris Barger, Beth Shoemaker, Paul Prevey, Mike Glavicic

1:30 to 2:30 Tuesdays.

Please review appropriate training materials prior to sessions.

April 20: Retained austenite measurement

3P1014	Austenite msmt
3P1047	Stds check format: stress and austenite
3P1053	Sample prep by mounting, grinding, polishing
3P1074	R-values for steel according to SAE-SP453
3P1075	Correction for carbide in 440C steel

April 27: Pole figure analysis

**THIS DOCUMENT IDENTIFIED
AN ALLEGER**

JA PROBLEM REPORT

DATE: 4/5/99	REPORTED BY: MK	PROJ. NO.: 137-8982	EQUIPMENT:
PROBLEM: XRF results seemed to indicate S, when S was not present. (Possibly a 'leak' or 'leak' over-type) Also, it was not observed.			
RECOMMENDED SOLUTION:			
DATE: 4/8/99	REPORTED BY: MK	PROJ. NO.:	EQUIPMENT: H
PROBLEM: 3P1016: 4.2.2 states: "...do NOT run multiple pole figures back-to-back". Director of Research ^{data acquisition} was software set up to run pole figs. back to back and says they should be run in that way. New software is easier if pole figs run back-to-back.			
RECOMMENDED SOLUTION: Back-to-back eliminates/reduces positioning error variations.			
DATE: 4/8/99	REPORTED BY: MK	PROJ. NO.:	EQUIPMENT:
PROBLEM: Tech Checks / Project Review. Do not require ^{checks} that technician doing the work and ^{and} tech checks are not ^{not} required ^{required} in procedure.			
RECOMMENDED SOLUTION:			
DATE: 4/8/99	REPORTED BY: MK	PROJ. NO.:	EQUIPMENT: G
PROBLEM: Retained austenite determination procedure 3P1014 states standards are to be used that aren't available in the lab.			
RECOMMENDED SOLUTION:			
DATE: 4/8/99	REPORTED BY: MK	PROJ. NO.:	EQUIPMENT: E
PROBLEM: 3P1037, 4.3.4 to 4.3.6: states well mounts with cracks should be remilled. Dir. of Res. says well mount dumps should not be re-milled. Data indicates re-milling may cause errors.			
RECOMMENDED SOLUTION:			
DATE: 4/8/99	REPORTED BY: MK	PROJ. NO.:	EQUIPMENT: G
PROBLEM: 3P1014: 3P1075: Determination of austenite in small samples ^{may} requires contact area ^{area} measurements. No proc. for const. area meas.			
RECOMMENDED SOLUTION:			

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00From LABSYS/KATHLEEN, 9 Apr 99 9:51 (Tidy)aaaaaaaaaaaaaaaaaaaaaa 3 of 906 aC

*From: LABSYS/KATHLEEN
*Subject: Fax from Wintek
*To: MARKK
*X-To: MarkK
*Date: 9 Apr 99 09:51:31

*That was kind of rough this morning. Don't take it personally.
*Paul speaks well of you in private. He knows you work hard and have
*alot on your plate in there, as we all know. Hang in there.

*----- Forwarded Message Follows -----

*From: LABSYS/MARKK
*Subject: Fax from Wintek
*To: KATHLEEN
*X-To: Kathleen, Melissa
*Date: 9 Apr 99 09:49:43

*Chris Soper of wintek are supposed to fax a drawing to me or maybe Doug.
*Please notify me immediately when it arrives. Thanks.

aa +/- <F5> Archive Copy Forward Headers Move Print Reply eXtract aa 4%i

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From: LABSYS/PERRY
Subject: Texture work: GE Calcaterra and Westinghouse Mueller.
To: MARKK
X-To: MarkK
Date: 4 Mar 99 09:49:08

OK

----- Forwarded Message Follows -----

From: LABSYS/MARKK
Subject: Texture work: GE Calcaterra and Westinghouse Mueller.
To: PERRY
X-To: Perry
Date: 4 Mar 99 09:30:11

Can you finish the ODF analysis required for 5-8451 (3 samples, GE Calcaterra) and 74-8486 (8 samples, Westinghouse Mueller)?

If so, when can the ODF be done? I'll do what I can with them, but by this afternoon, I think I'll be about done.

From: LABSYS/KATHLEEN

Subject: US Steel
To: MARKK
X-To: MarkK
Date: 25 Feb 99 16:46:54

I have placed Job #999-8183 in your in-bin. There is only one job done previously for them for this type of work.