

## Update to CA 1671

Since this CA was originally dispositioned on April 20, MTK was able to provide some photos from the test bars (attached). This update is being written to include this additional information.

These photos were sent to Bob Keilback for his assessment (see e-mail below). Based on this update, this CA is now considered CLOSED; as Bob indicated, the test bars did, indeed contain flaws that contributed to the lower test values exhibited.

Approved by:

Tech. Rep.

RLM

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-----Original Message-----

From: Keilbach, Robert [mailto:Robert.Keilbach@wgint.com]

Sent: Thursday, June 08, 2006 8:33 AM

To: Phil Heitzenroeder

Cc: Frank A. Malinowski

Subject: RE: Two requests

Phil,

1. The test specimen failure surfaces appear to be not homogeneous, with some evidence of pores and inclusions.
2. We do not have a qualified WPS. However, the addition of tack welds would likely hold the nut in place for tightening; even if the weld(s) cracked, the obstruction caused by the weld on the Stelalloy should prevent the nut from turning.

Bob

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From: Phil Heitzenroeder [mailto:pheitzen@pppl.gov]

Sent: Wed 6/7/2006 9:57 AM

To: Keilbach, Robert

Cc: fmalinowski@pppl.gov

Subject: Two requests

Bob,

I'd appreciate your feedback on two issues that came up on NCSX:

1) The attached ZIP file contains photos of the test bars for A6, which had the lower elongation values. Could you please give me your opinion as to the quality of the test samples? Originally MTK said the lower values were due to defects in the bars. Unfortunately the half of the bars that they based this opinion on were discarded by the test lab. "

They feel that these halves do not support this "defect" assessment fully; what do you think?

2) Some of the flange counterbores will not be accessible to hold the nuts for tightening. We were wondering if we simply got A286 nuts if we could tack weld them to the Stellanloy to hold them during torquing. Do you know if we could weld these two alloys together?

Thanks!

Phil

From: PETER DJORDJEVICH [mailto:pdjord@sbcglobal.net]  
Sent: Tuesday, June 06, 2006 12:07 PM  
To: Frank A. Malinowski; Phil Heitzenroeder; Nancy Flowen  
Subject: A6 test bar photos

File changed to TXT from zip.

These are better photos forwarded to me by MetalTek in relation to A6 test bar failures.

Sincerely,

Peter Djordjevich

CA 1671 Photos







