Major Tool & Machine, Inc. 1458 East 19th Street Indianapolis, IN 46218-4289

Page: 1 Date: 11/13/06 MTM N/C: 20741 User ID: GRIFFITH

Customer: ENERGY INDUSTRIES OF OHIO

Contact: NANCY HORTON Telephone: 216-496-2314 Fax: 216-328-2001 E-Mail: NKHFlowen@aol.com

Part: SE141-114 / MODULAR COIL WINDING FORM TYPE Customer P.O.: S005242-F/Ln:4

Drawing ID: MCWF TYPE-A XRAY MA Revision: 1 Serial No./Qty: A4

W/O Links: 1-Type:W: 65709/4.0 Sub: 1

Reported By: MIKE GRIFFITH Telephone: 317-636-6433 E-Mail: mGriffith@MajorTool.com Fax: 317-634-9420

Problem: Part rejected per the requirements of ASTM A703/A703M, no indication to be greater than .08".

Shot 26-30 reveled area of shrink extending from the base of the T upward approx. 2 - 2.5".

Shot 41-45 has three .25" long voids between holes 43 and 44.

Proposed Disposition:

Customer Disposition:

SUBMIT TO CUSTOMER FOR REVIEW.

[X] Use As Is

Number of additional pages: 4 page attachment

[] Rework

Each of these defects were discussed during a conference call on 11/14/06 attended by D. Williamson, L. Sutton, F. Malinowski, J. Chrzanowski, L. Dudek, P. Heitzenroeder, P. Djordjevich, N. Horton, M. Griffith, and R. Sheppard. Refer to the attached photos. The first photo shows three 0.25" (~6 mm) indications between holes 43 and 44. This defect is shown in Shot 41-45. Williamson noted that the stress is this area is 80-140 MPa, which, as shown in the figure below, would result in a low crack growth rate; therefore this defect can be accepted as is.

[] Scrap

[] Replace

[] Repair

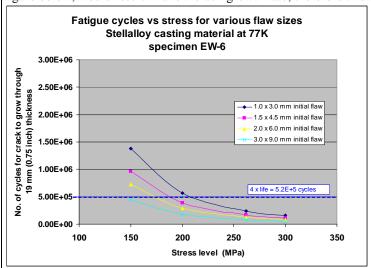
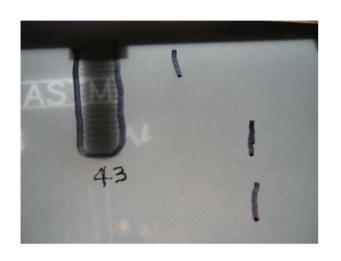
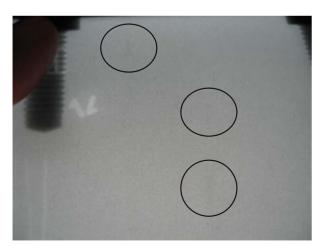


Photo 5 shows a 2" to 2.5" indication below hole #28. This defect is shown in Shot 26-30; EIO believes it is a hot tear. The depth of the defect (which we consider a crack) is unknown. However, Williamson reviewed the stress in this area and found it to be very low (~16 MPa) and compressive, which inhibits crack growth; therefore it is accepted as is.

NCSX Tech. Rep.:	NCSX RLM:	
Major Tool Implemented By:	Title:	Date:

NC20741 Attachment – A4 RT Failures





The picture to the left is of an overlay that shows the three .25" long rejections between holes 43 and 44.

The picture below is the actual film. The defects are circled but difficult to see with a picture.

NC20741 Attachment – A4 RT Failures





The picture to the left is of an overlay that shows the reject directly below hole 28. This indication did show up during the PT inspection on the D side of the T but it has a "Y" shape to it that we did not see during PT.

The length of this defect is 2" – 2.5" from the base upward.

Industrial Services, Inc. 10540 Chester Road Cincinnati, Ohio 45214

Cincinnati, Ohio 45215

(513) 771-3292 Phone

RADIOGRAPHY READER SHEET

. No.

Form # 20.3A Rev. 3

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Densitometer S/N: /2/05

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TEAM Technician Signature

Customer Representative Signature

RT Map of High Stress Region

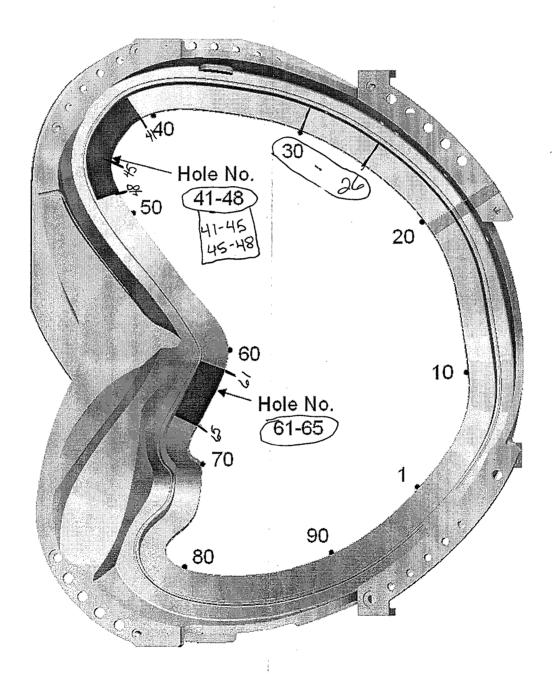


Figure 1 High Stress Region Identification for Type-A MCWF

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