

Major Tool &  
Machine, Inc.

1458 East 19th Street  
Indianapolis, IN  
46218-4289

Page: 1

MTM N/C: 17399  
User ID: BOWLINK

Date: 05/24/05

**ENERGY INDUSTRIES OF OHIO Customer:**

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

**SE141-116 / MODULAR COIL WINDING FORM TYPE Part:**

S005242-F/Ln:1 Customer P.O.: SE141-116 Drawing ID: 3 Revision: C1 Serial  
No./Qty: Links: 1-Type:W: 65707/1.0 Sub: 1 Op: 20

KEVIN BOWLING Reported By: 317-636-6433 Telephone: E-Mail:  
kBowling@MajorTool.com Fax: 317-634-9420

Problem: Part was gouged by an errant tool path.

Gouge is approximately 2" wide by 10" long and at worst case 1/2" deep.

**Proposed Disposition:**

SUBMIT TO CUSTOMER REQUESTING WELD  
REPAIR.

Number of additional pages:

Customer Disposition: ☐ Use As Is ☐ Rework ☒ Repair ☐ Scrap ☐ Replace

MTM is authorized to proceed with repair <sup>on Casting C-1 based on the</sup> as soon as MTM's ~~weld repair procedure which was~~ submitted by e-mail on 5/12/05 is formally approved by PPPL. Weld repair procedures are currently being reviewed at PPPL.

*Submitted weld qualification procedures which lack some of the test results required in ASTM A488. Full qualification and re-submittal are required before ASAP and prior to weld repair on any subsequent castings.* B.N. Concur

Phil Heitzenroeder  
Technical Contact Approval: 2005.05.25 08:10:42 -04'00'

PPPL Tech. Rep.

Buyer Approval:

*Larry J. Sutton*

Title:

*SC & C Admin* Date: *5/26/05*

Major Tool Implemented By:

Title:

Date:

816-PROGRAMMING ERROR Root Cause 1:

Resource: CAD/CAM - MEDIUM MILLING EAST Equipment:  
Description: Root cause is unknown. Some contributing factors might be:

1. 1. It appears that we did not verify the program that gouged the part through our Vericut software.
2. 2. We think we mistakenly ran a previous program iteration through the verification because when the programmer verified the tool path no gouges were identified.
3. 3. When we ran the defective program back through the verification process it showed the tool gouge, duplicating the actual gouge on the part.

**Corr Actn: 1:** Action: 05/24/05 By: 861-K.BOWLING Description: 1. Organize the program iterations that have been discarded and/or made obsolete in a different directory structure or delete them.

2. Machinist double checks the program by graphically viewing the more complex programs prior to running. (second

n:\vntmapps\Minonc17.qrp

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Independent verification).