

<b>Status</b>	5 - Corrective Action Needed	<b>Trend</b>	01-Deviation From Doc/Proc
<b>Department</b>	NCSX	<b>Division</b>	NCSX Project
<b>Source/Org</b>	FABRICATION, OPERATIONS & MAINTENANCE		
<b>Item Dwg/Part#</b>	SE141-103	<b>Procurement #</b>	D-NCSX-MCF-001 R.2
<b>RAP#</b>	3207	<b>Job Doc #</b>	D-NCSX-MCF-001
<b>RAP Title</b>	Modular Coil Fabrication - Winding Form Preparation Activities		
<input type="checkbox"/> HoldTag Applied			

**Nonconforming Condition (include requirement(s) violated):**

MCWF #1 - The polodial break nut bearing plates on the C1 modular coil winding form has a magnetic permeability that is over the maximum of 1.02 as stated in NCSX-ASPEC-GRD-03 paragraph 3.3.1.1. There are six bearing plates on the winding form. All six plates have permeability readings greater than 1.02 but less than 1.05. Severn gauge #5111 was used and has the following inserts for readings: 1.01, 1.02, 1.05, 1.2, 1.8, 2.0, 2.2, 3.0 and 3.5. All six plates are installed on the winding form.

REV1: Further investigation reveals five (5) of the six (6) bearing plates exhibit a magnetic permeability of >1.02 <1.03. One (1) of the six (6) bearing plates exhibits a magnetic permeability of >1.04 <1.05. (C. F. Phelps 4/7/06)

<b>Lot Size Recd</b>	6	<b>Sample Size Insp</b>	6	<input checked="" type="checkbox"/> <b>Lot Rejected</b>	<b># Rejected</b>	6
<b>Reported By</b>	Phelps C	<b>Validated By</b>	Boscoe J	<b>Validated Date</b>	01/09/06	

**Disposition:** Rework\*\_\_ Repair\*\_\_ Use As Is\*\_\_ Return To Vendor\*\_\_ Scrap\*\_\_

The bearing plates will be replaced during the time that the new hardware for the poloidal break is changed out.

REV 1: The disposition above conflicts with the disposition stated on Major Tool's nonconformances 19233 and 19234 which state "USE AS IS". (C. F. Phelps 4/7/06)

For rework or repair of vendor supplied equipments, fill in information below:

<b>#Hours</b>	_____	<b>\$Est Labor</b>	_____	<b>\$G&amp;A</b>	_____
<b>\$Material</b>	_____	<b>\$Burden</b>	_____	<b>\$Total</b>	_____

<b>Disposition By</b>	_____	<b>Date</b>	_____
<b>Supervisor's Concur</b>	_____	<b>Date</b>	_____
<b>Eng. Dept. Head Concur</b>	_____	<b>Date</b>	_____
<b>WCO/Other</b>	N/A	<b>Date</b>	_____

<b>PQA/QC Mgr Dispos Concur</b>	_____	<b>Date</b>	_____
<b>QC Field Verification By</b>	_____	<b>Date</b>	_____

**Distribution**

**Cog** J. Chrzanowski  
**Insp** Phelps/Boscoe  
 Proj. Doc Control (when closed)  
 QC Files  
 Malsbury J  
 Boscoe J  
 Heitzenroeder P  
 Williams M  
 Tyrrell M  
 Reiersen W