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|--|--|----------------------|--------------------|----------------------------|--|
| Status | 5 - Corrective Action Needed | | Trend | 01-Deviation From Doc/Proc | |
| Department | NCSX | | Division | NCSX Project | |
| Source/Org | FABRICATION, OPERATIONS & MAINTENANCE | | | | |
| Item Dwg/Part# | SE141-103 | Procurement # | D-NCSX-MCF-001 R.2 | Cost Center | |
| RAP# | 3207 | Job Doc # | D-NCSX-MCF-001 | Vendor | |
| RAP Title | 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)

| | | | | | | |
|--------------------|----------|---------------------|----------|---|-------------------|---|
| Lot Size | Recd 6 | Sample Size | Insp 6 | <input checked="" type="checkbox"/> Lot Rejected | # Rejected | 6 |
| Reported By | Phelps C | Validated By | Boscoe J | Validated Date | 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:

| | | | | | |
|-------------------|-------|--------------------|-------|------------------|-------|
| #Hours | _____ | \$Est Labor | _____ | \$G&A | _____ |
| \$Material | _____ | \$Burden | _____ | \$Total | _____ |

| | | | |
|-------------------------------|-------|-------------|-------|
| Disposition By | _____ | Date | _____ |
| Supervisor's Concur | _____ | Date | _____ |
| Eng. Dept. Head Concur | _____ | Date | _____ |
| WCO/Other | N/A | Date | _____ |

| | | | |
|---------------------------------|-------|-------------|-------|
| PQA/QC Mgr Dispos Concur | _____ | Date | _____ |
| QC Field Verification By | _____ | Date | _____ |

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