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|-----------------------|-----------------------------------|----------------------|-----------------|----------------------------|---------------------------|
| Status | 2 - Disposition Needed | | Trend | 01-Deviation From Doc/Proc | |
| Department | NCSX | | Division | NCSX Project | |
| Source/Org | VENDOR | | | | |
| Item Dwg/Part# | D-NCSX-MCF-001 Rev. 03 | Procurement # | S005242-F | Cost Center | 9450 1*** 1404 |
| RAP# | 3209 | Job Doc # | S005242-F | Vendor | Energy Industries of Ohio |
| RAP Title | NCSX - Modular Coil Winding Forms | | | | |

HoldTag Applied

Nonconforming Condition (include requirement(s) violated):

MCWF-A2, During the magnetic permeability verification of the NCSX C5 modular coil winding form a total of nineteen (19) areas were found to exhibit a permeability above the maximum allowed. NCSX-CSPEC-141-03-11 paragraph 3.1.1.5.1 states "the local relative magnetic permeability of any point in the winding form (including base metal and weld repairs) shall not exceed 1.02." All of these areas found are on the as cast surface and appear to fit into one of three characterizations below.

1. Oxidized, rusted appearance in the form of a scrape or a ding, see areas 2b "ID of hole".
2. Dark areas that have the appearance of lead or dark substance smeared on the surface, see areas 1, 11, 12, 13, 14, 15, 16, 18.
3. Pock mark impressions in the as cast surface with no distinct color variation, see areas 4, 5, 6, 7, 8, 9, 17.

Lot Size Recd 0 Sample Size Insp 0 Lot Rejected # Rejected 0

Reported By Phelps C Validated By Boscoe J Validated Date 07/05/06

~~Disposition: Rework* __ Repair* __ Use As Is* __ Return To Vendor* __ Scrap* __~~

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

Distribution

- Cog Heitzenroeder P
- Insp Phelps C
- Proj. Doc Control (when closed)
- QC Files
- Malsbury J
- Boscoe J
- Chrzanowski J
- Heitzenroder P
- Sutton L
- Lumberger J
- Reiersen W
- Nelson B
- Williams M
- Malinowski F

Disposition: Rework___ Repair ___ Use As Is___ Return to Vendor___ Scrap___

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

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

Disposition by _____

Supervisor's Concurrence _____

Eng. Dept. Head Concurrence _____

Other (i.e., WCO/FPE) Concurrence _____

PQA/QC Mgr Disposition Concurrence _____

QA Field Verification by _____

A2 permeability pictures













