

**PPPL NONCONFORMANCE REPORT NO: 3650**      **Open Date 05/02/06**

<b>Status</b>	9 - Closed NCR		<b>Trend</b>	01-Deviation From Doc/Proc	
<b>Department</b>	NCSX		<b>Division</b>	NCSX Project	
<b>Source/Org</b>	VENDOR				
<b>Item Dwg/Part#</b>	NCSX-CSPEC-141-03-11	<b>Procurement #</b>	D-NCSX-MCF-001,R3	<b>Cost Center</b>	9450 1*** 1404
<b>RAP#</b>	3209	<b>Job Doc #</b>	S005242-F	<b>Vendor</b>	Energy Industries of Ohio
<b>RAP Title</b>	NCSX - Modular Coil Winding Forms				
<input type="checkbox"/> HoldTag Applied					

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

MCWF-C5, During the magnetic permeability verification of the NCSX C5 modular coil winding form a total of twenty nine (29) 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 mu." 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 1, 5, 6, 7, 11, 20.
2. Dark areas that have the appearance of lead or dark substance smeared on the surface, see areas 3, 4, 14, 15, 16, 17, 29.
3. Pock mark impressions in the as cast surface with no distinct color variation, see areas 8, 13, 18, 27.

This casting did not exhibit the shiny scrap like marks as observed on the C4 casting.

See attached pictures for details.

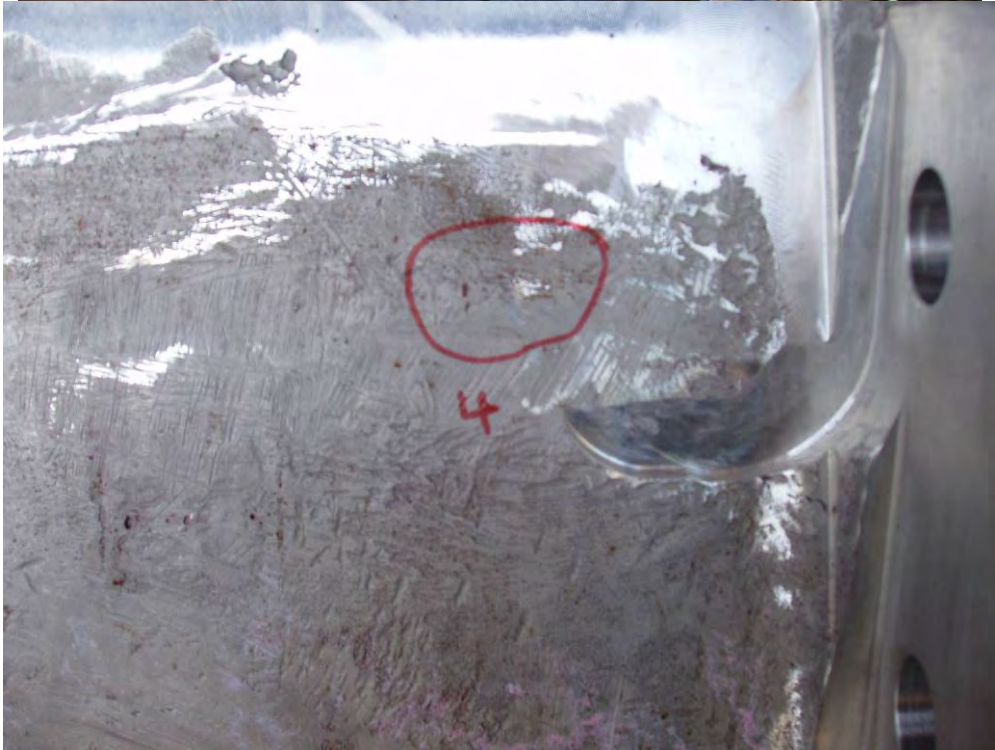
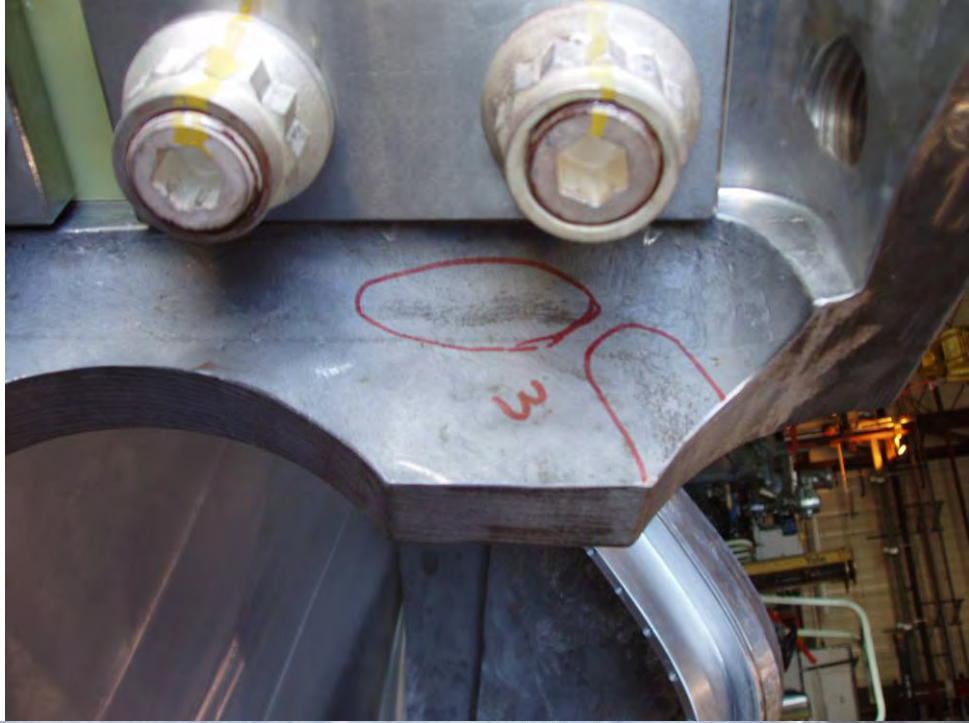
<b>Lot Size Recd</b>	<u>0</u>	<b>Sample Size Insp</b>	<u>0</u>	<input type="checkbox"/> Lot Rejected	<b># Rejected</b>	<u>0</u>
<b>Reported By</b>	<u>Phelps C</u>	<b>Validated By</b>	<u>Malinowski F</u>	<b>Validated Date</b>	<u>05/02/06</u>	

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

These higher permeability areas will be handled by surface grinding to remove the questionable material. Areas will then be rechecked to verify acceptable reading.

<p><b>For rework or repair of vendor supplied equipments, fill in information below:</b></p> <table style="width:100%;"> <tr> <td><b>#Hours</b></td> <td><u>          </u></td> <td><b>\$Est Labor</b></td> <td><u>          </u></td> <td><b>\$G&amp;A</b></td> <td><u>          </u></td> </tr> <tr> <td><b>\$Material</b></td> <td><u>          </u></td> <td><b>\$Burden</b></td> <td><u>          </u></td> <td><b>\$Total</b></td> <td><u>          </u></td> </tr> </table> <table style="width:100%;"> <tr> <td><b>Disposition By</b></td> <td><u>Chrzanowski J</u></td> <td><b>Date</b></td> <td><u>05/04/06</u></td> </tr> <tr> <td><b>Supervisor's Concur</b></td> <td><u>Dudek L</u></td> <td><b>Date</b></td> <td><u>05/26/06</u></td> </tr> <tr> <td><b>Eng. Dept. Head Concur</b></td> <td><u>Williams M</u></td> <td><b>Date</b></td> <td><u>05/26/06</u></td> </tr> <tr> <td><b>WCO/Other</b></td> <td><u>N/A</u></td> <td><b>Date</b></td> <td><u>          </u></td> </tr> </table> <table style="width:100%;"> <tr> <td><b>PQA/QC Mgr Dispos Concur</b></td> <td><u>Boscoe J</u></td> <td><b>Date</b></td> <td><u>05/30/06</u></td> </tr> <tr> <td><b>QC Field Verification By</b></td> <td><u>Phelps C</u></td> <td><b>Date</b></td> <td><u>05/30/06</u></td> </tr> </table>	<b>#Hours</b>	<u>          </u>	<b>\$Est Labor</b>	<u>          </u>	<b>\$G&amp;A</b>	<u>          </u>	<b>\$Material</b>	<u>          </u>	<b>\$Burden</b>	<u>          </u>	<b>\$Total</b>	<u>          </u>	<b>Disposition By</b>	<u>Chrzanowski J</u>	<b>Date</b>	<u>05/04/06</u>	<b>Supervisor's Concur</b>	<u>Dudek L</u>	<b>Date</b>	<u>05/26/06</u>	<b>Eng. Dept. Head Concur</b>	<u>Williams M</u>	<b>Date</b>	<u>05/26/06</u>	<b>WCO/Other</b>	<u>N/A</u>	<b>Date</b>	<u>          </u>	<b>PQA/QC Mgr Dispos Concur</b>	<u>Boscoe J</u>	<b>Date</b>	<u>05/30/06</u>	<b>QC Field Verification By</b>	<u>Phelps C</u>	<b>Date</b>	<u>05/30/06</u>	<p><b>Distribution</b></p> <p><b>Cog</b> <u>Chrzanowski J</u>  <b>Insp</b> <u>Various</u>          Proj. Doc Control (when closed)           QC Files          Malsbury J          Boscoe J          Heitzenroder P          Nelson B          Reiersen W          Williams M          Sutton L          Lumberger J          Tyrrell M          Malinowski F</p>
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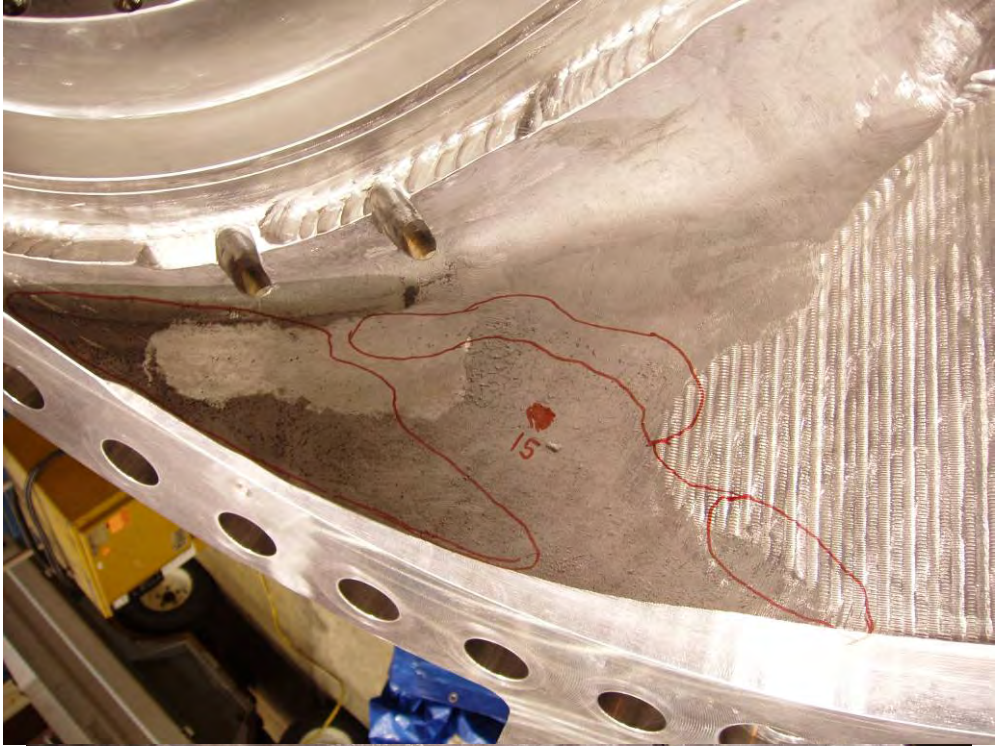




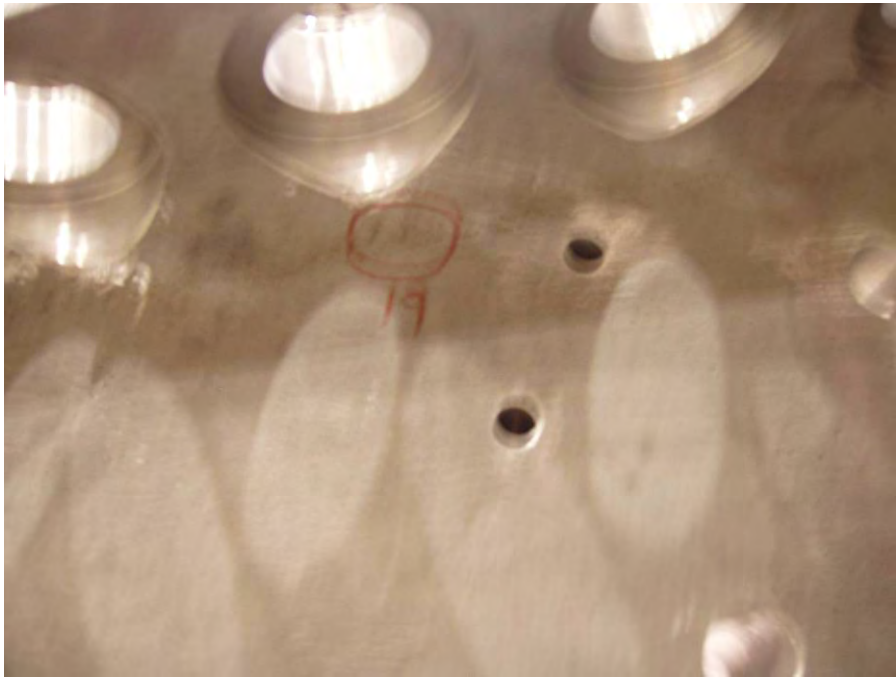
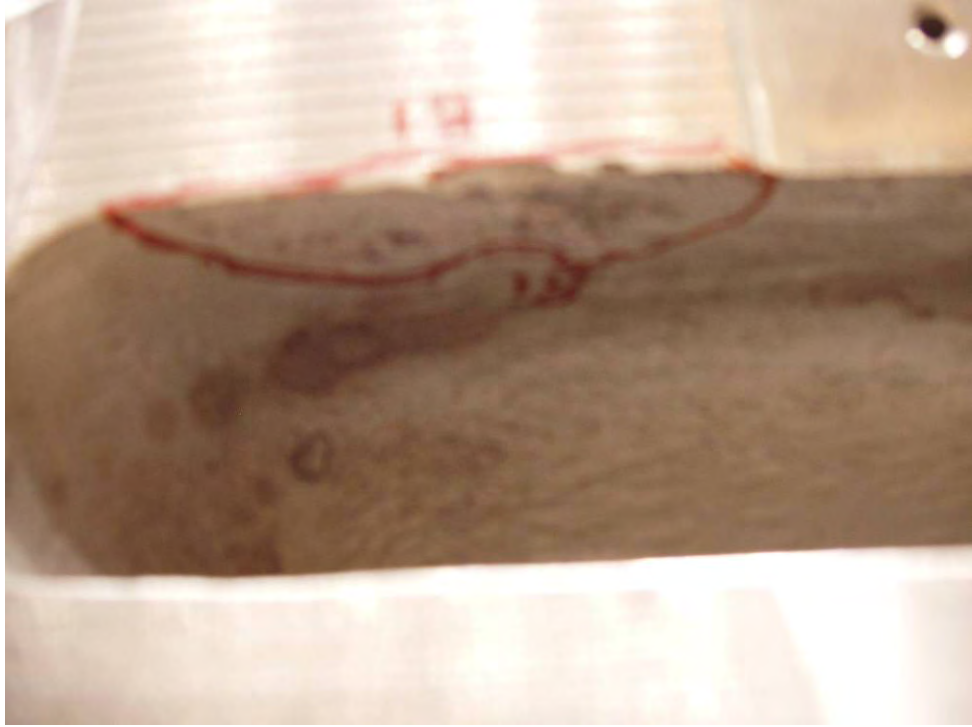


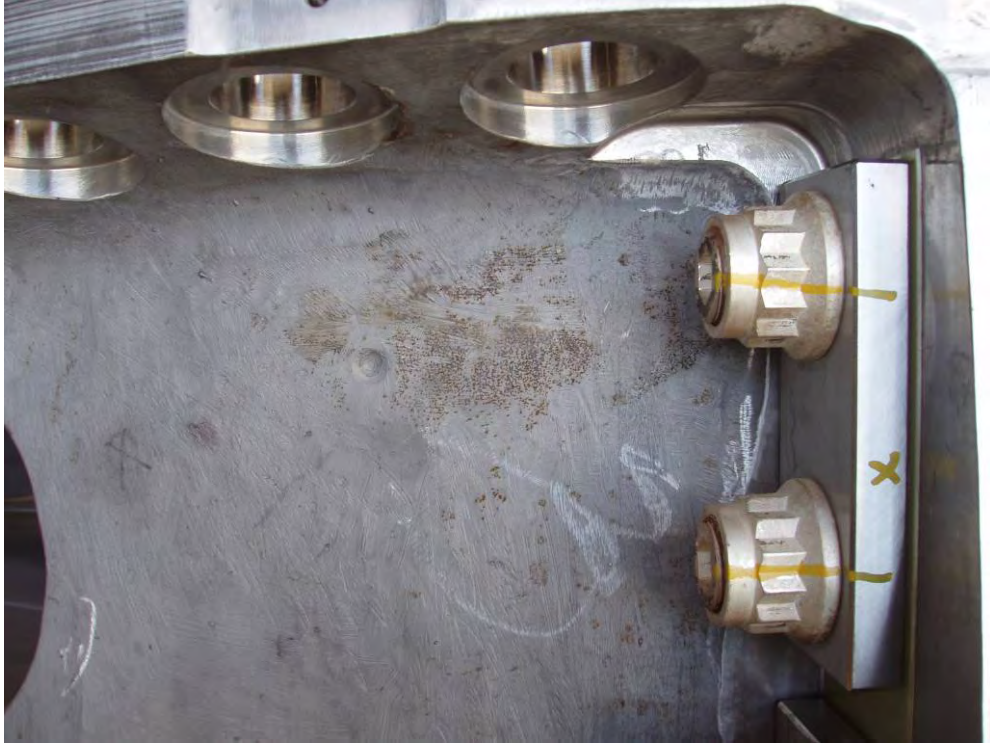












**Area #20**







