

Status	5 - Corrective Action Needed		Trend	01-Deviation From Doc/Proc	
Department	NCSX		Division	NCSX Project	
Source/Org	VENDOR				
Item Dwg/Part#	NCSX-CSPEC-141-03-11	Procurement #	D-NCSX-MCF-001 R3	Cost Center	9450 1*** 1404
RAP#	3209	Job Doc #	S005242-F	Vendor	Energy Industries of Ohio
RAP Title NCSX - Modular Coil Winding Forms					
<input type="checkbox"/> HoldTag Applied					

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

MCWF-A1, During the magnetic permeability verification of the NCSX A1 modular coil winding form a total of twenty (20) 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 1, 2.

2. Dark areas that have the appearance of lead or dark substance smeared on the surface, see areas 4, 6, 14.

3. Pock mark impressions in the as cast surface with no distinct color variation, see areas 3, 19.

Representative pictures are attached.

Lot Size Recd	0	Sample Size Insp	0	<input type="checkbox"/> Lot Rejected	# Rejected	0
Reported By	Phelps C	Validated By	Malinowski F	Validated Date	06/07/06	

Disposition: Rework*__	Repair*__	Use As Is*__	Return To Vendor*__	Scrap*__	Rework
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These higher permeability areas will be handled by surface grinding to remove the questionable material. Areas will then be rechecked to verify acceptable reading.

For rework or repair of vendor supplied equipments, fill in information below:				<b>Distribution</b>	
#Hours	\$Est Labor	\$G&A		Cog	Heitzenroeder P
\$Material	\$Burden	\$Total		Insp	Phelps C
				Proj. Doc Control (when closed)	
Disposition By		Chrzanowski J	Date	09/06/06	
Supervisor's Concur		Nelson B E	Date	09/06/06	
Eng. Dept. Head Concur		Williams M	Date	09/07/06	
WCO/Other		N/A	Date		
				QC Files	
				Malsbury J	
				Boscoe J	
				Chrzanowski J	
				Sutton L	
				Malinowski F	
				Reiersen W	
				Nelson B	
				Williams M	
				Lumberger J	
				Tyrrell M	
PQA/QC Mgr Dispos Concur		Boscoe J	Date	09/11/06	
QC Field Verification By			Date		