



EDMS NO.	REV.	VALIDITY DRAFT
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REFERENCE :

HL-LHC Nonconformity Report CB022 failed to reach 530 A

NC Description

Work Package	WP 3	Equipment	HCMCBRD_S001-IU000001
Collaboration	IHEP (China), CCT Magnet, Bama Superconductive	Process	Fabrication by Bama Superconductive
		Inspector	Yingzhe Wang

Event description :

On October 30, 2024, CB022 was tested a 4K in Beijing. After 124 training quenches, the current failed to reach 530 A (the highest current was 488.92 A). Fig.1 shows the training history of CB022.

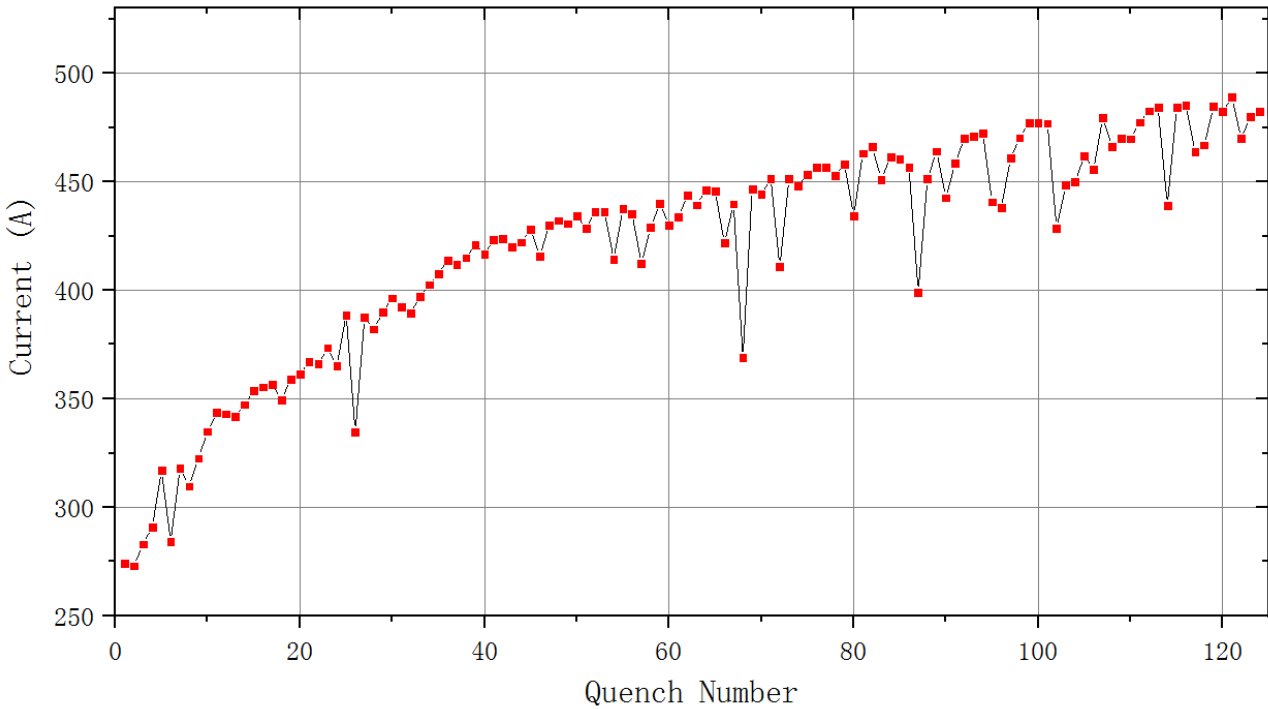


Fig. 1 – Training history of CB022

Date of Issue

2024.10.30

NC Evaluation

Root analysis:

The possible reasons for Cb022 failed to reach 530A is:

1. There is not enough space between inner and outer formers for the resin to fill in during the VPI process.

Corrective action:

1. From CB024, the Glass fiber tape wrapped around the formers is no longer overlapping 1/2.

Evaluation team:

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REFERENCE :

Critical (Impact 4,5) <input type="checkbox"/>		Non-Critical (Impact 3) <input checked="" type="checkbox"/>		
Repair <input type="checkbox"/>	Regrade <input checked="" type="checkbox"/>	Scrap <input type="checkbox"/>	Return <input type="checkbox"/>	Concession <input type="checkbox"/>
WPE, WPL, QC, GL			Date	25-03-2021
NCR Closure				
Date of re-inspection	25-03-2021	Inspector		
Agreed measurements have been successfully implemented: Yes <input type="checkbox"/> No <input type="checkbox"/>				
Non Conformity Closed: Yes <input type="checkbox"/> Yes with remarks <input type="checkbox"/>			Date Closure	
Inspector	Supplier (Bama Superconductive)		WPL, GL	
Jinzhi Wu	BingjieCui			