

Traveler Title:

BMA Full Magnet Impregnation

Specification No:

5520-TR-333859

Revision:

D

DR No:

4523

Step No:

8.1

Drawing No:

5520-ME-445311

Routing Form No:

Serial No:

BMA053

Rework ID:

0

Discrepancy Description:

Traveler instructs to, Perform a Hipot test as per the charts below.
 During the horizontal dipole hipot test to the cooling tubes and mold it was discovered that the C-1 coil (BMA-C1-430) at position 4 has a soft short of 8 uA at 500VDC to the lower cooling tube circuit.

Originator:

Dennis Gaw

Date:

6/10/2008 10:22:52 AM

Cause of Nonconformance:

Horizontal dipole turns in close proximity to the lower cooling tube.

Responsible Authority:

Dennis Gaw

Date:

6/10/2008 10:22:52 AM

Disposition:

Put the magnet in the vacuum oven and pump it down to 40 um for 4 hours.
 Hipot again after this.
 Disposition verify notes: The magnet was in the vacuum oven and pumped down to 40 um for 4 hours and the horizontal dipole passed the coil to ground hipot.

Responsible Authority:

Sasha Makarov

Date:

6/10/2008 10:48:24 AM

Corrective Action to Prevent Recurrence:

None
 Disposition verify notes: The relative humidity is hard to control with the resources available, the steps taken as per the disposition will need to be repeated as necessary.

Responsible Authority:

Sasha Makarov

Date:

6/10/2008 10:48:24 AM

Corrective Action/Disposition Verified By:

Dennis Gaw

Date:

6/13/2008 9:17:15 AM

Will Configuration be affected?: YES NO

Identified problem area:

- Material
 Manpower
 Method
 Machine
 Measurement

Reviewed By:

Bob Jensen

Date:

6/17/2008 10:21:28 AM