

Traveler Title:

BMA Full Magnet Impregnation

Specification No:

5520-TR-333859

Revision:

D

DR No:

4527

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.
 Actual hipot testing failed, the limits are 500VDC with no more than 5uA current leakage, with the relative humidity at 75% the measured current leakage at 500VDC is greater than 5uA, applying dry nitrogen to the coils under test temporarily lowers the current leakage to less 5 ua.

Originator:

Dennis Gaw

Date:

6/13/2008 9:29:10 AM

Cause of Nonconformance:

High humidity.

Responsible Authority:

Dennis Gaw

Date:

6/13/2008 9:29:10 AM

Disposition:

1. Proceed with the preparation of magnet to potting (mold assembly, glass beads filling, Gray RTV filling).
 2. Install the mold with magnet in the vacuum oven, and pump out to 40 um overnight.
 3. Open the oven door and re-test the magnet.
 4. If the test results are within tolerances, close the door and pump magnet out and pot, as per the traveler.
 Disposition verify notes: 1. Proceeded with the preparation of magnet to potting (mold assembly, glass beads filling, Gray RTV filling).
 2. Installed the mold with magnet in the vacuum oven, and pumped it out to 40 um overnight.
 3. Opened the oven door and re-tested the magnet, hipot testing was within tolerance.
 4. Closed the door and pumped magnet out and potted as per the traveler.
 In addition the post potting hipot passed.

Responsible Authority:

Sasha Makarov

Date:

6/13/2008 10:30:10 AM

Corrective Action to Prevent Recurrence:

None
 Disposition verify notes: Test in a drier environment.

Responsible Authority:

Sasha Makarov

Date:

6/13/2008 10:30:10 AM

Corrective Action/Disposition Verified By:

Dennis Gaw

Date:

7/1/2008 1:29:33 PM

Will Configuration be affected?: YES NO

Identified problem area:

Material Manpower Method Machine Measurement

Reviewed By:

Bob Jensen

Date:

7/7/2008 1:32:39 PM