

From: Michael W Mcgee
Sent: Tuesday, December 01, 2015 8:06 AM
To: Guram Chlachidze <guram@fnal.gov>; Alexander L. Romanov <aromanov@fnal.gov>
Cc: Kermit A Carlson <kermit@fnal.gov>; Ted R Beale <beale@fnal.gov>; Alexander A Valishev <valishev@fnal.gov>; Jan Szal <jszal@fnal.gov>; Oliver J Kiemschies <ollie@fnal.gov>; Thomas J Gardner <gardner@fnal.gov>
Subject: RE: Update for 30 Deg. Dipole Magnet Measurement

Hi Guram,

Thanks for noting this!

Yes, please replace any hardware that needs to be modified for operation.

Best Regards, Mike

From: Guram Chlachidze
Sent: Monday, November 30, 2015 6:39 PM
To: Alexander L. Romanov; Michael W Mcgee
Cc: Kermit A Carlson; Ted R Beale; Alexander A Valishev; Jan Szal; Oliver J Kiemschies; Thomas J Gardner
Subject: RE: Update for 30 Deg. Dipole Magnet Measurement

Hi all,
30 Deg. dipole inspection completed, but one discrepancy report was issued. It was found that bolted connection between the upper and lower coils has bolts screwed into nuts with only 1-2 threads engaged. Nuts should have full thread engagement on the bolts. See attached photo below.

We could replace these bolts, but need your approval for this procedure.

Thanks,
-Guram



From: Alexander L. Romanov
Sent: Thursday, November 19, 2015 3:53 PM
To: Michael W Mcgee <mcgee@fnal.gov>
Cc: Guram Chlachidze <guram@fnal.gov>; Kermit A Carlson <kermit@fnal.gov>; Ted R Beale <beale@fnal.gov>
Subject: RE: Update for 30 Deg. Dipole Magnet Measurement

Hello Mike,

As far as I understood from Valishev, our main goal is to test dipole electrically (resistance/inductance/hipot/inter coil shorts etc) and mechanically (tolerances/water usage/temperature) because it is the subject of the contract with Chinese manufacturer. Of course we would be extremely happy to have magnetic measurements also. It means that IB4 is mandatory step for us.

Thank you,
Sasha.

From: Michael W Mcgee
Sent: Thursday, November 19, 2015 2:55 PM
To: Alexander L. Romanov
Cc: Guram Chlachidze; Kermit A Carlson; Ted R Beale
Subject: Update for 30 Deg. Dipole Magnet Measurement

Hi Sasha,

I spoke with Guram and he explained that the 30 deg. dipole needed to be first sent to IB2 for inspection (and that is how they usually proceed). We had sent the dipole to IB1 (where the magnetic measurements actually occur). So, Guram will find the dipole magnet and have it sent to IB2 for initial inspection. Then the magnet will be sent back to IB1 for the magnetic measurement. At that time, Guram will contact us and make sure that you are involved.

As a side note, I have asked Ted Beale (Coordinate Machine Measurement Group Head) to receive the dipole and check the pole physical parameters. Ted is located in IB4. This possible measurement will follow any magnetic measurement.

Regards, Mike