

Subject: Re: Significance of discrepancy - Stabilizer misalignment

From: Cesar Luongo <luongo@jlab.org>

Date: 1/16/2015 3:37 PM

To: Michael Lowry <mlowry@jlab.org>, Luciano Elementi <elementi@fnal.gov>, Alfred R Nobrega <nobrega@fnal.gov>, "Steven T. Krave" <skrave@fnal.gov>, George Velez <velev@fnal.gov>

CC: Mark Wiseman <wiseman@jlab.org>, Dave Kashy <kashy@jlab.org>, Bob Legg <rlegg@jlab.org>

All,

After discussing it, this would be our proposal to move forward. Leave the soldered portion as is, and do the soldering at the other end (away from the coil) making sure the conductor and lead remain aligned. On that side we cannot take a sharp step for insulation reasons. Provided that the second end is well aligned, then just file away the excess copper on the misaligned (coil) end to prevent further interference in the neck. Since you will be filing away metal near the coil, exercise protection procedures to avoid pieces getting on the insulation. If this has not been done by Tuesday at 11AM, we can discuss it further at our video-call.

Thanks!

Cesar

----- Original Message -----

From: "Michael Lowry" <mlowry@jlab.org>

To: "Mark Wiseman" <wiseman@jlab.org>, "Dave Kashy" <kashy@jlab.org>, "Cesar Luongo" <luongo@jlab.org>, "Bob Legg" <rlegg@jlab.org>

Sent: Friday, January 16, 2015 3:15:33 PM

Subject: Significance of discrepancy - Stabilizer misalignment

During first soldering cycle of 2nd lead stabilizer on CCM006, the stabilizer dropped relative to the cable at the coil end over about 15-20 cm. Size of the offset is about 1.5-2 mm. The solder has filled everywhere and there are no indications of a void or gap between them. Question, can it be left as is or should attempt be made to correct? Thoughts on correction would be to re-melt solder with some sort of vertical clamping to bring them back into alignment. See the attached figure and zoom in on the area between the two C-clamps. Since the stabilizer is tapered in this area there is an aluminum strap on the back side and a strap and a wedge on the front side as well as the stabilizer and cable.

Mike