TS-SSC 92-034

Memo to: Dan Smith, Mike Winters

From: Wayne Koska

Subject: Position of Collar Gage Packs for DCA320

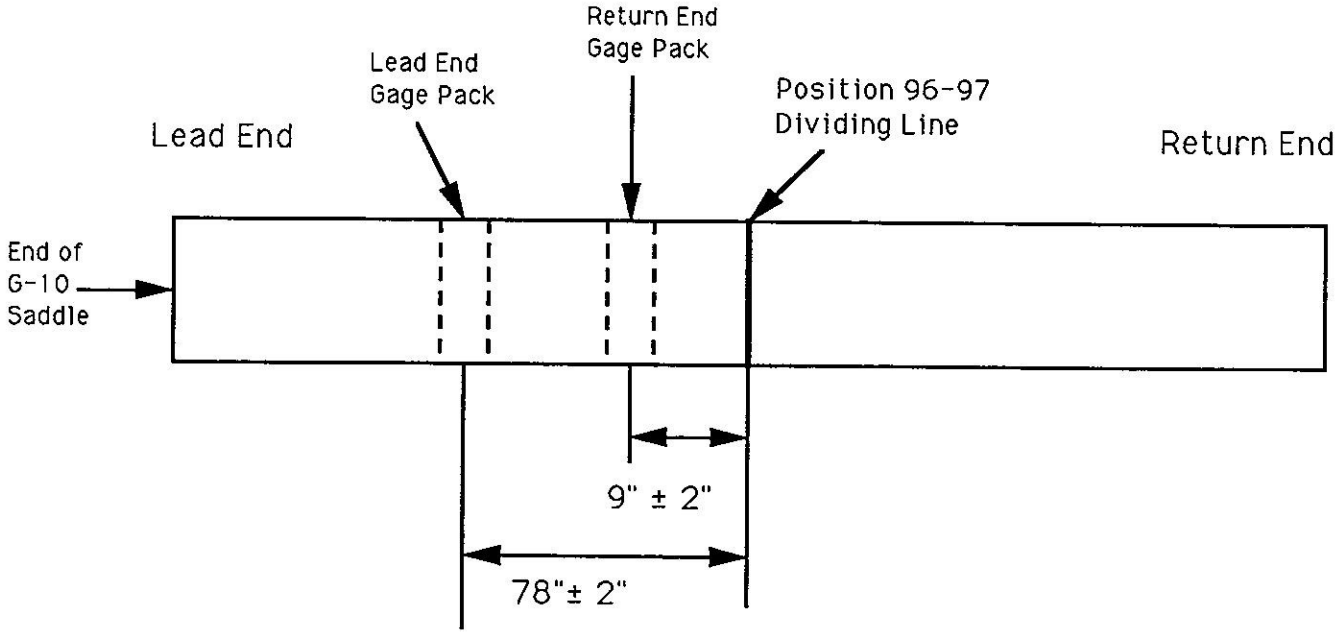
The Collar Gage Packs for DCA320 should be centered -9 ± 2 and -78 ± 2 inches from the dividing line of positions 96 and 97 (see figure 1).

These two positions correspond to a minimum and maximum of the summed azimuthal size of the two inner coils. The minimum azimuthal size of (15.2, 14.9 mils) is at positions 93 and 94. The maximum azimuthal size (28.2, 30.8 mils) is at positions 70 and 71 (see figure 2).

These data have been taken with the automatic coil sizing robot. To compare with summed coil size data from magnets DCA310-DCA318, add 12 mils (3 mils x 4 quadrants).

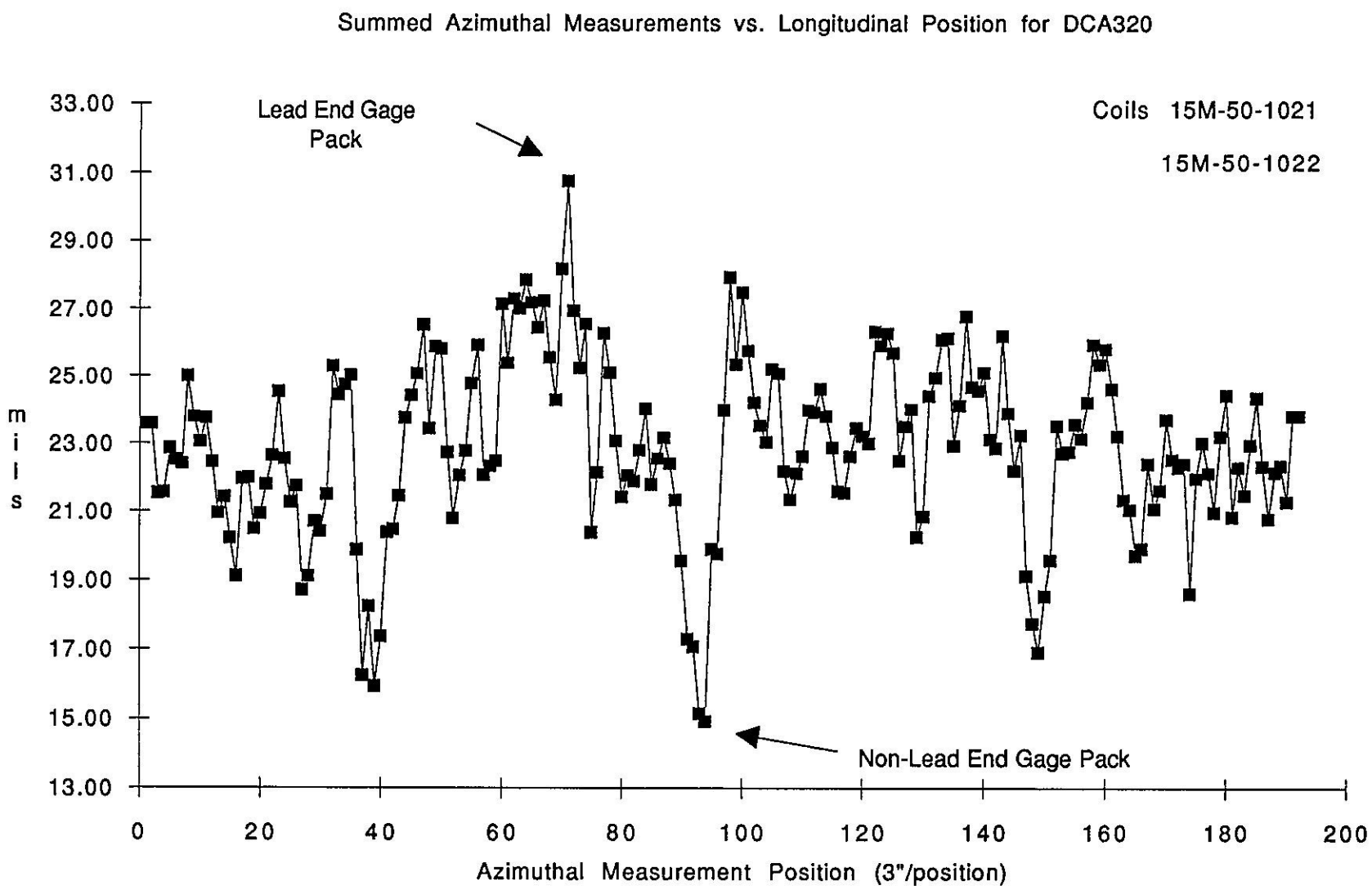
cc Bob Jensen

Wayne Koska
3-9-92



Specification for Gage Pack Locations in
DCA320

Figure 1


Summed Azimuthal Measurements vs. Longitudinal Position for DCA320
Lead End Gage Pack
Coils 15M-50-1021
15M-50-1022
Non-Lead End Gage Pack
mils
33.00
31.00
29.00
27.00
25.00
23.00
21.00
19.00
17.00
15.00
13.00
0
20
40
60
80
100
120
140
160
180
200
Azimuthal Measurement Position (3"/position)