



Jefferson Lab Alignment Group

Data Transmittal

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Checked:

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DETAILS:

Data: Inspection\CHL\081031A

Below are the results from the recent survey carried out on the CHL compressor and motor support pads. As requested, a gravity based coordinate system (in millimeters) was established using the support pads for the compressor to fix the origin. Looking from the compressor towards the motor pads, a +X is to the left, a +Z is downstream, and a +Y is up. For the compressor pads, the XZ coordinates are to the outside corners and the Y value is to the machined surface where the compressor feet rest. The values for the motor pads are to the top surface of the threaded hole.

LOCATION	Z	X	Y	DIA
Compressor pad				
A	-394.41	-333.32	-0.34	
B	-393.69	333.29	3.11	
C	394.76	332.22	0.35	
D	393.56	-332.30	-3.15	
Motor pad vertical support hole				
A	1355.89	-208.96	-17.54	
B	1354.02	380.16	-17.17	
C	2268.25	382.43	-17.08	
D	2270.97	-205.89	-17.57	
Upstream end of shaft	589.19	87.18	360.22	130.47
Flange on shaft	690.70	87.63	359.25	212.65
Downstream end of shaft	710.46	86.83	359.72	79.92
Downstream pilot hole on shaft	712.05	87.26	359.49	

