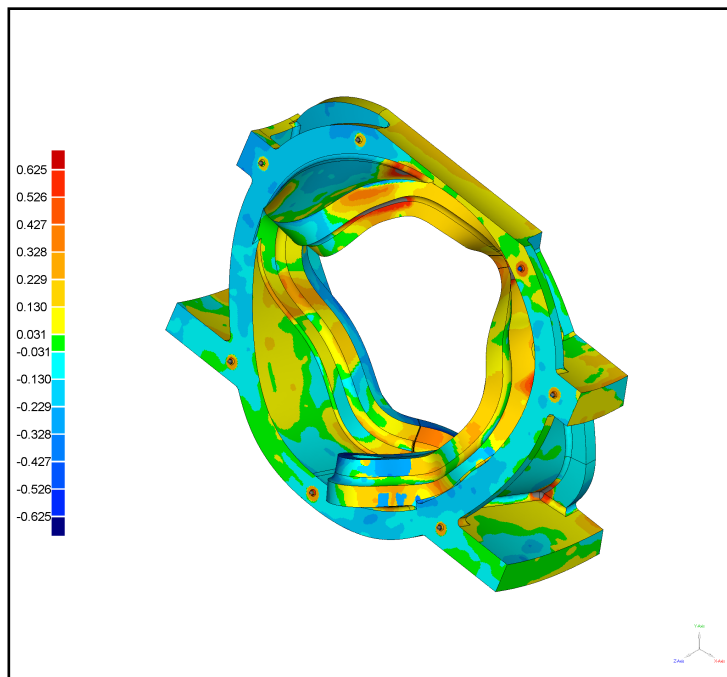


Qualify Report

Title: C6-AR
Date: 1/25/2006, 11:02 am



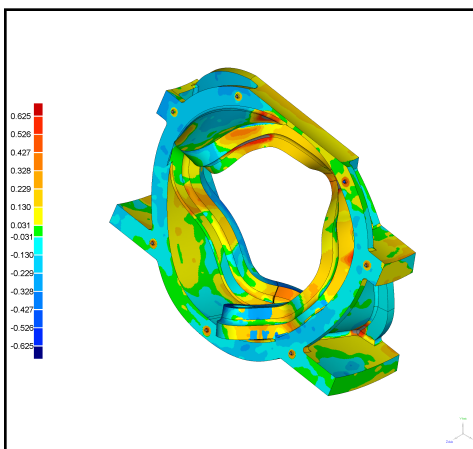
Author: Steve Pilgram
Part: C6 Coil
Test: Merged Points 2

3D Comparison Results

Reference Model	c-coil-casting
Test Model	Merged Points 2
# Data Points	1274411

Tolerances	in
Max Tol +	0.625
Min Tol +	0.031
Min Tol -	-0.031
Max Tol -	-0.625

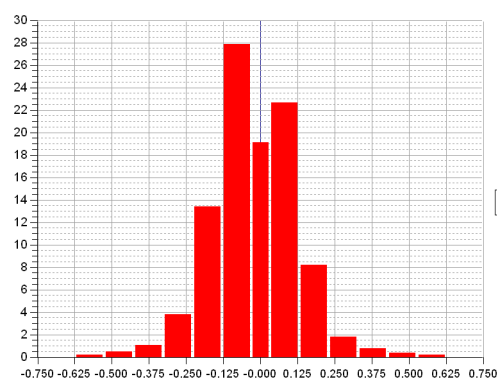
Deviation	in
Max Dev +	0.625
Max Dev -	-0.625
Average +/-	0.099 / -0.113
Std Dev	0.138



Percentage Deviations

>=Min	<Max	# Points	%
-0.625	-0.526	2487	0.195
-0.526	-0.427	6450	0.506
-0.427	-0.328	13532	1.062
-0.328	-0.229	48707	3.822
-0.229	-0.130	170711	13.395
-0.130	-0.031	355314	27.881
-0.031	0.031	243770	19.128
0.031	0.130	288715	22.655
0.130	0.229	104584	8.206
0.229	0.328	22933	1.799
0.328	0.427	9958	0.781
0.427	0.526	4763	0.374
0.526	0.625	2486	0.195

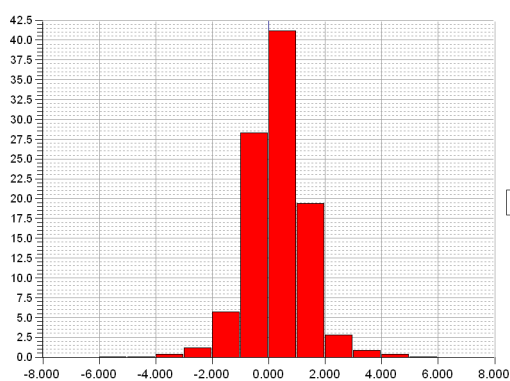
Out of Max Tol +	0	0.000
Out of Max Tol -	1	0.000



Deviation Distribution

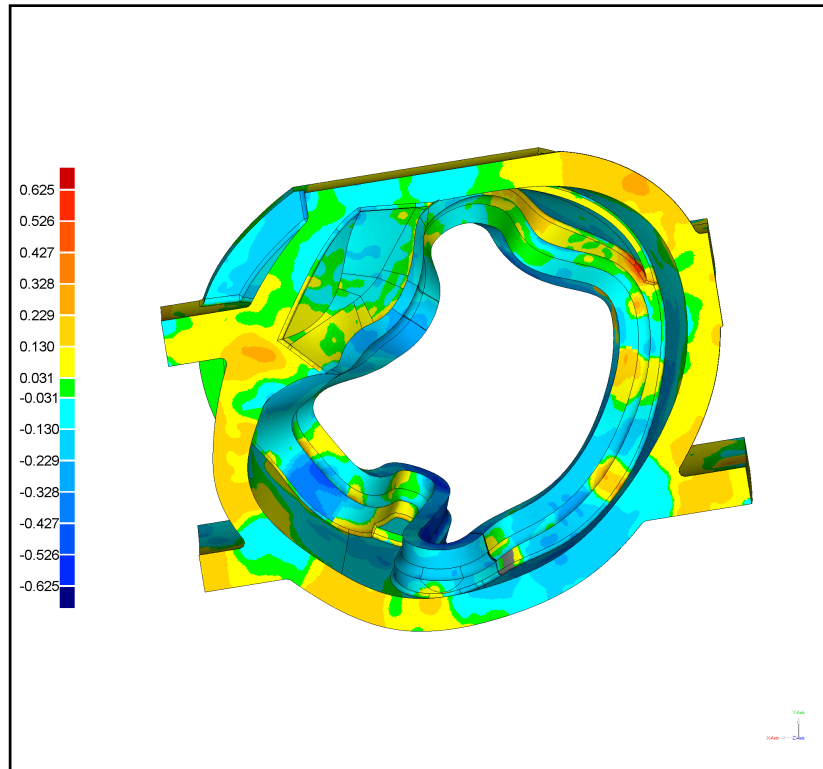
Standard Deviations

Distribution (+/-)	# Points	%
-6 * Std Dev	0	0.000
-5 * Std Dev	27	0.002
-4 * Std Dev	4248	0.333
-3 * Std Dev	15033	1.180
-2 * Std Dev	72619	5.698
-1 * Std Dev	360646	28.299
1 * Std Dev	524186	41.132
2 * Std Dev	246932	19.376
3 * Std Dev	35584	2.792
4 * Std Dev	10957	0.860
5 * Std Dev	4151	0.326
6 * Std Dev	28	0.002

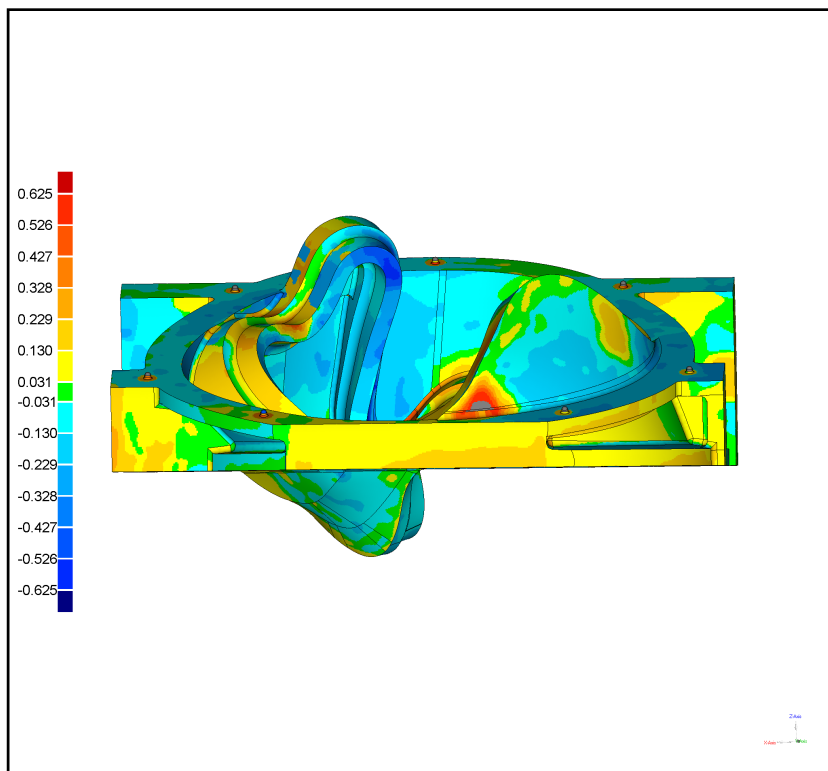


Standard Deviations

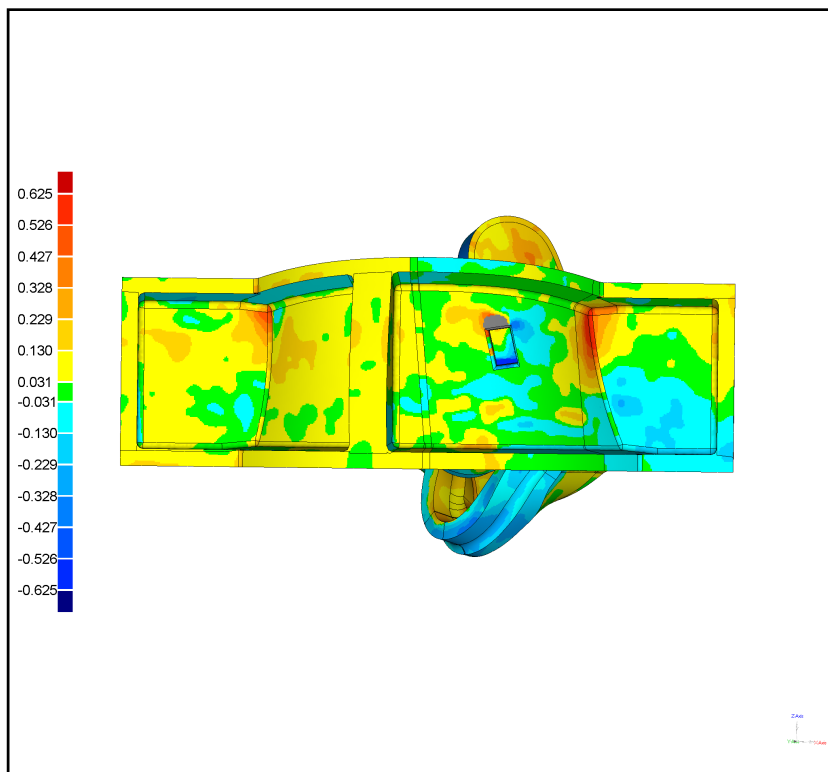
Predefined: Back



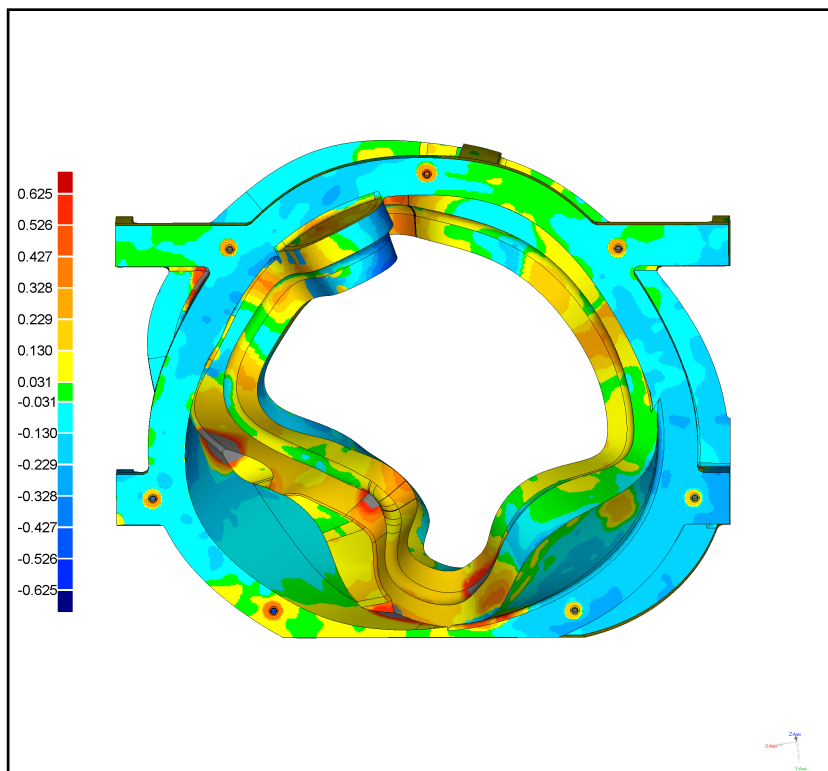
UserDefined: front



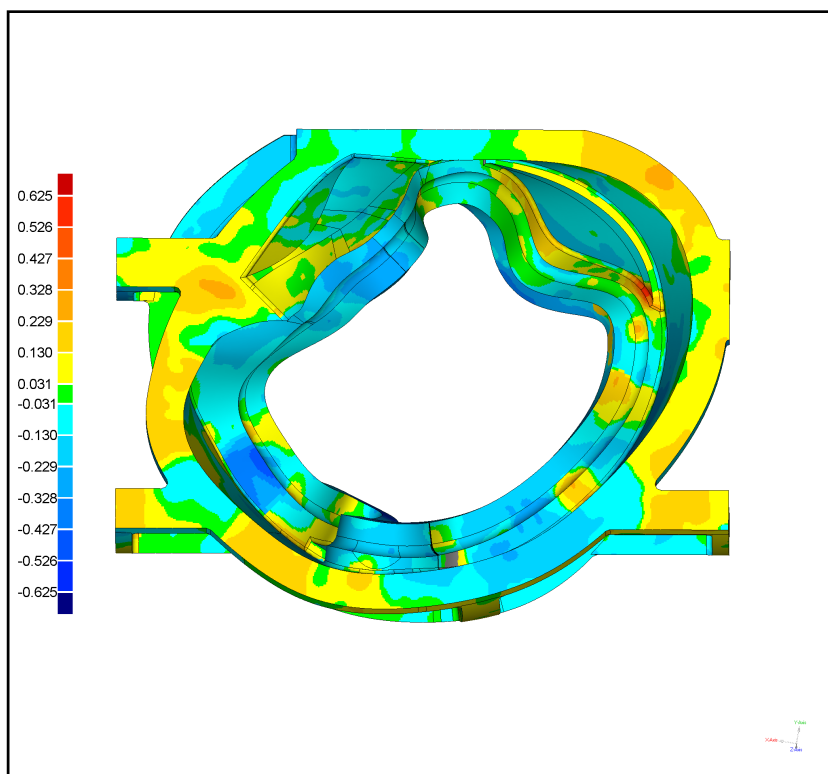
UserDefined: back



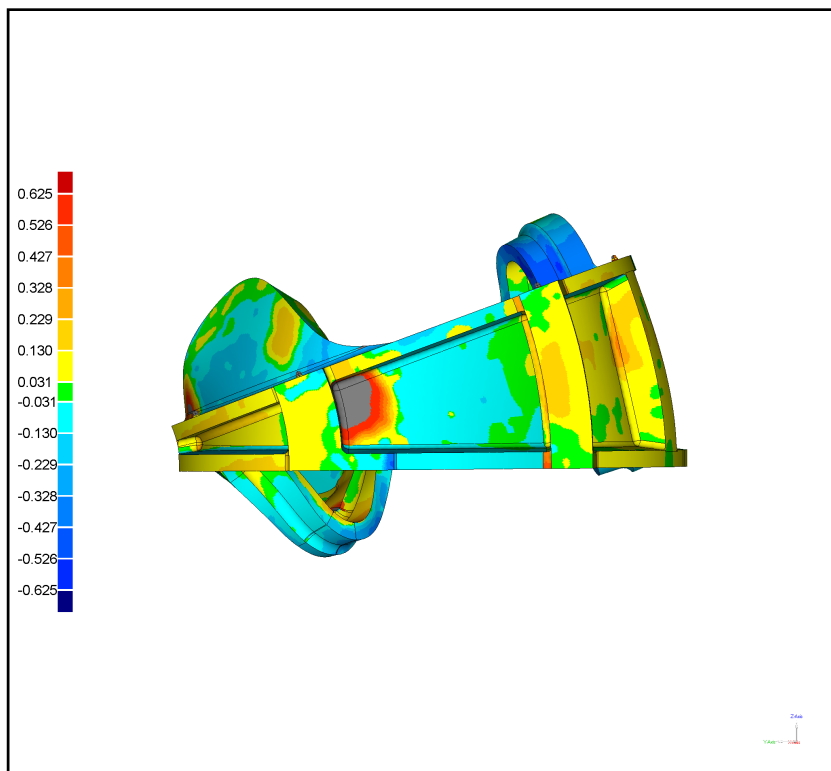
UserDefined: top



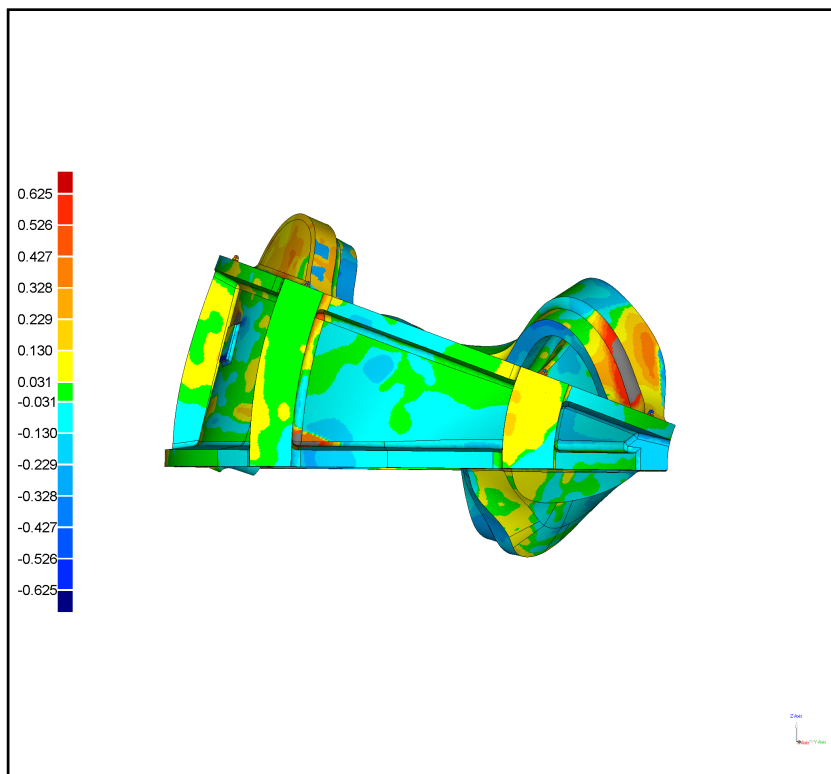
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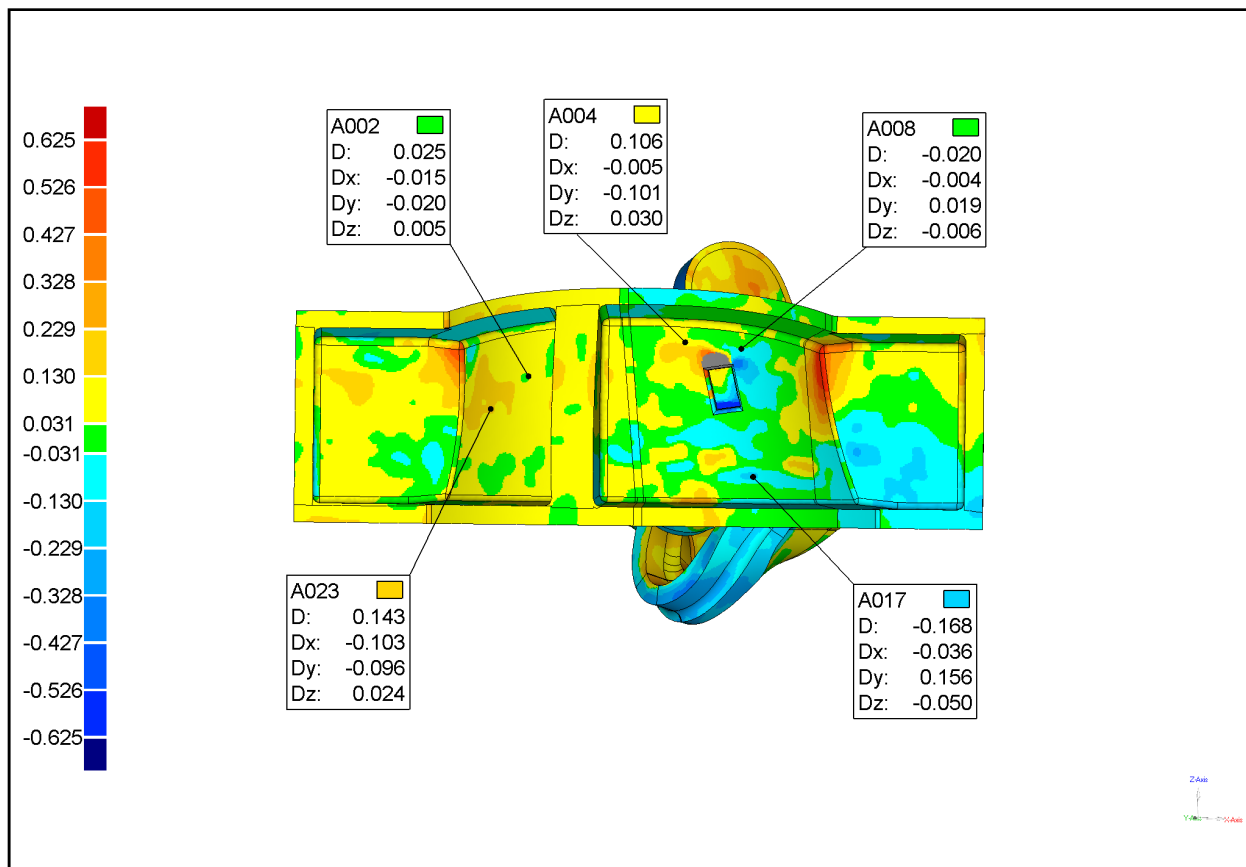
UserDefined: right



UserDefined: left



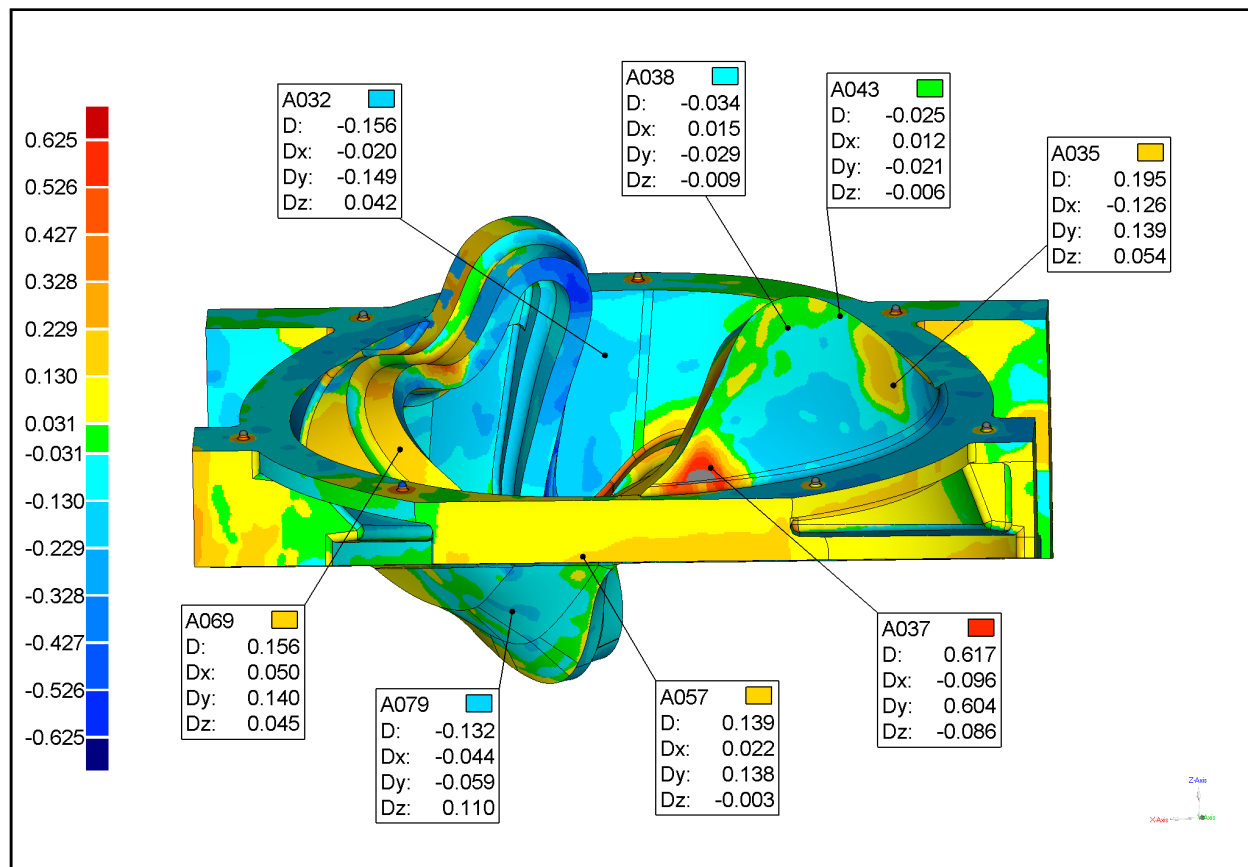
Annotated: Annotation View 1



Units: in

Name	Dev	Status	Tol +	Tol -	Ref X	Ref Y	Ref Z	Dev Radius	Dev X	Dev Y	Dev Z	Test X	Test Y	Test Z
A002	0.025				-27.670	-67.818	8.964	0.039	-0.015	-0.020	0.005	-27.685	-67.838	8.969
A004	0.106				-6.510	-73.236	14.456	0.039	-0.005	-0.101	0.030	-6.515	-73.337	14.486
A008	-0.020				1.540	-72.827	13.785	0.039	-0.004	0.019	-0.006	1.535	-72.808	13.779
A017	-0.168				2.929	-78.241	-4.002	0.039	-0.036	0.156	-0.050	2.893	-78.085	-4.053
A023	0.143				-32.379	-64.710	4.201	0.039	-0.103	-0.096	0.024	-32.482	-64.806	4.225

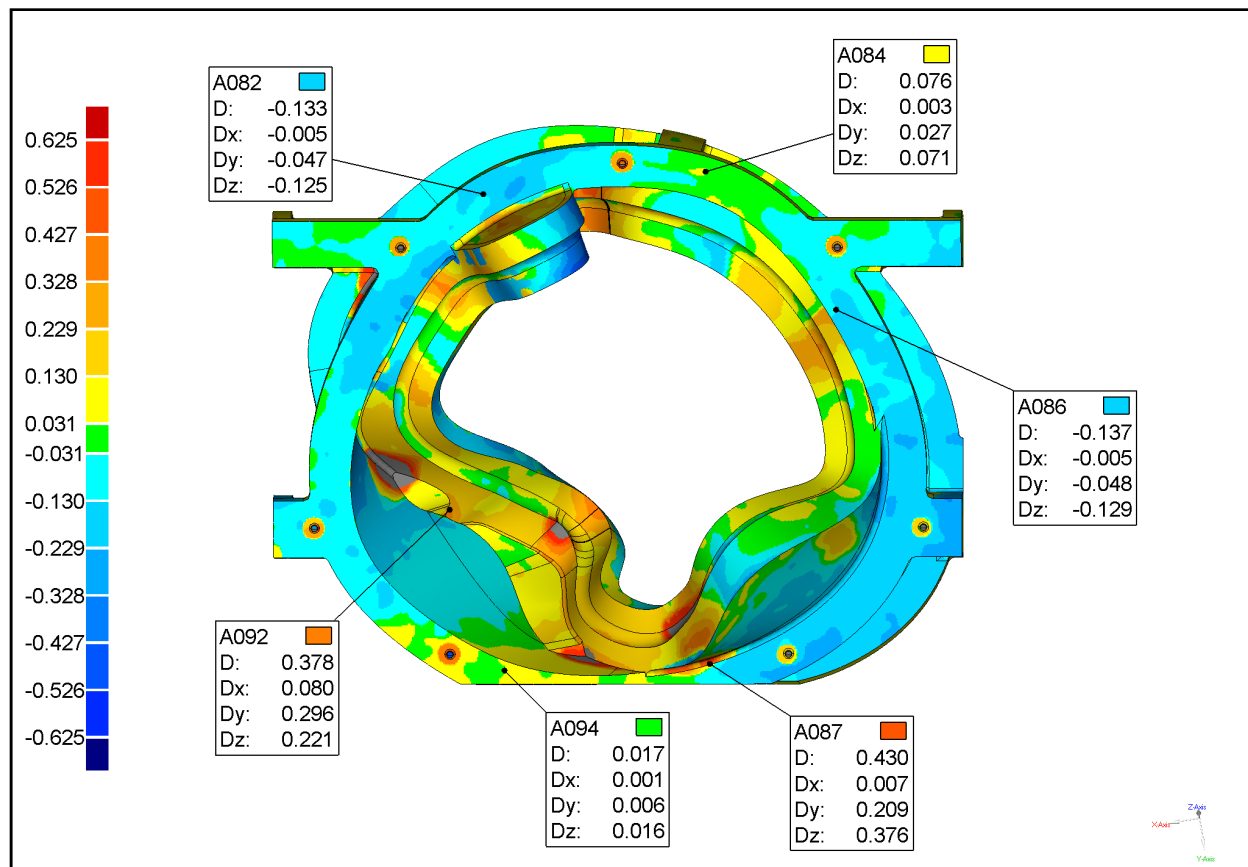
Annotated: Annotation View 2



Units: in

Name	Dev	Status	Tol +	Tol -	Ref X	Ref Y	Ref Z	Dev Radius	Dev X	Dev Y	Dev Z	Test X	Test Y	Test Z
A032	-0.156				-9.609	-71.945	12.446	0.039	-0.020	-0.149	0.042	-9.629	-72.094	12.487
A035	0.195				-36.406	-17.553	7.338	0.039	-0.126	0.139	0.054	-36.532	-17.414	7.392
A037	0.617				-13.579	-5.154	-1.574	0.039	-0.096	0.604	-0.086	-13.675	-4.550	-1.660
A038	-0.034				-23.770	-11.891	14.227	0.039	0.015	-0.029	-0.009	-23.755	-11.921	14.218
A043	-0.025				-30.282	-15.729	15.431	0.039	0.012	-0.021	-0.006	-30.270	-15.750	15.426
A057	0.139				1.385	-6.169	-11.271	0.039	0.022	0.138	-0.003	1.407	-6.031	-11.274
A069	0.156				17.947	-41.338	2.054	0.039	0.050	0.140	0.045	17.997	-41.197	2.099
A079	-0.132				8.109	-19.946	-17.137	0.039	-0.044	-0.059	0.110	8.065	-20.006	-17.027

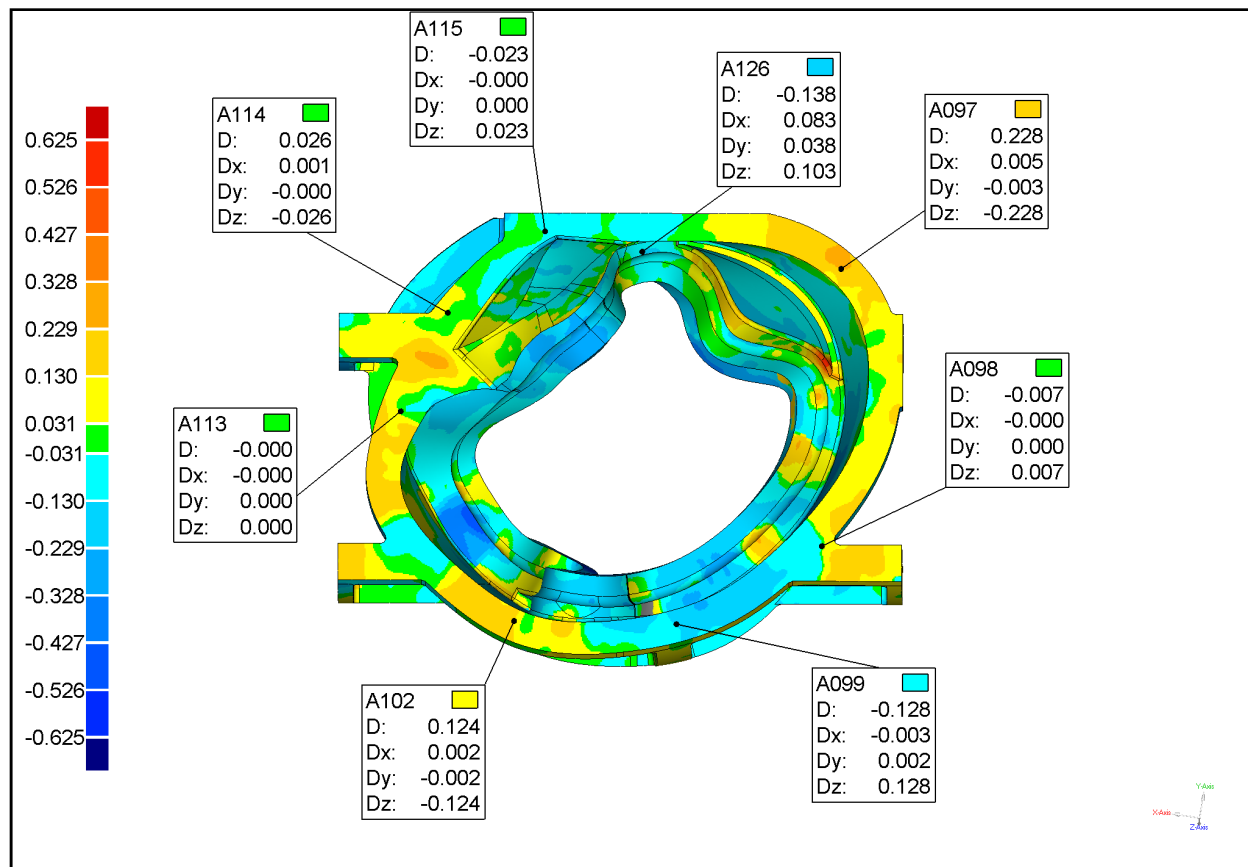
Annotated: Annotation View 3



Units: in

Name	Dev	Status	Tol +	Tol -	Ref X	Ref Y	Ref Z	Dev Radius	Dev X	Dev Y	Dev Z	Test X	Test Y	Test Z
A082	-0.133				6.134	-71.534	19.840	0.039	-0.005	-0.047	-0.125	6.129	-71.581	19.715
A084	0.076				-25.075	-69.458	20.253	0.039	0.003	0.027	0.071	-25.072	-69.431	20.325
A086	-0.137				-39.936	-48.455	12.985	0.039	-0.005	-0.048	-0.129	-39.941	-48.503	12.857
A087	0.430				-14.455	-4.955	-4.193	0.039	0.007	0.209	0.376	-14.448	-4.746	-3.817
A092	0.378				18.007	-34.023	-11.258	0.039	0.080	0.296	0.221	18.087	-33.726	-11.037
A094	0.017				14.065	-8.733	-3.885	0.039	0.001	0.006	0.016	14.066	-8.727	-3.868

Annotated: Annotation View 4



Units: in

Name	Dev	Status	Tol +	Tol -	Ref X	Ref Y	Ref Z	Dev Radius	Dev X	Dev Y	Dev Z	Test X	Test Y	Test Z
A097	0.228				-40.069	-9.431	-12.732	0.039	0.005	-0.003	-0.228	-40.064	-9.433	-12.960
A098	-0.007				-44.964	-58.888	-12.220	0.039	-0.000	0.000	0.007	-44.965	-58.888	-12.213
A099	-0.128				-22.751	-76.722	-11.551	0.039	-0.003	0.002	0.128	-22.754	-76.721	-11.423
A102	0.124				4.734	-80.677	-10.948	0.039	0.002	-0.002	-0.124	4.736	-80.678	-11.072
A113	-0.000				29.995	-46.808	-10.857	0.039	-0.000	0.000	0.000	29.995	-46.808	-10.857
A114	0.026				24.957	-28.121	-11.190	0.039	0.001	-0.000	-0.026	24.957	-28.121	-11.215
A115	-0.023				10.947	-11.059	-11.683	0.039	-0.000	0.000	0.023	10.947	-11.059	-11.660
A126	-0.138				-5.964	-11.163	-9.604	0.039	0.083	0.038	0.103	-5.881	-11.125	-9.501

Annotated: All

Units: in

Name	Dev	Status	Tol +	Tol -	Ref X	Ref Y	Ref Z	Dev Radius	Dev X	Dev Y	Dev Z	Test X	Test Y	Test Z
A002	0.025				-27.670	-67.818	8.964	0.039	-0.015	-0.020	0.005	-27.685	-67.838	8.969
A004	0.106				-6.510	-73.236	14.456	0.039	-0.005	-0.101	0.030	-6.515	-73.337	14.486
A008	-0.020				1.540	-72.827	13.785	0.039	-0.004	0.019	-0.006	1.535	-72.808	13.779
A017	-0.168				2.929	-78.241	-4.002	0.039	-0.036	0.156	-0.050	2.893	-78.085	-4.053
A023	0.143				-32.379	-64.710	4.201	0.039	-0.103	-0.096	0.024	-32.482	-64.806	4.225
A032	-0.156				-9.609	-71.945	12.446	0.039	-0.020	-0.149	0.042	-9.629	-72.094	12.487
A035	0.195				-36.406	-17.553	7.338	0.039	-0.126	0.139	0.054	-36.532	-17.414	7.392
A037	0.617				-13.579	-5.154	-1.574	0.039	-0.096	0.604	-0.086	-13.675	-4.550	-1.660
A038	-0.034				-23.770	-11.891	14.227	0.039	0.015	-0.029	-0.009	-23.755	-11.921	14.218
A043	-0.025				-30.282	-15.729	15.431	0.039	0.012	-0.021	-0.006	-30.270	-15.750	15.426
A057	0.139				1.385	-6.169	-11.271	0.039	0.022	0.138	-0.003	1.407	-6.031	-11.274
A069	0.156				17.947	-41.338	2.054	0.039	0.050	0.140	0.045	17.997	-41.197	2.099
A079	-0.132				8.109	-19.946	-17.137	0.039	-0.044	-0.059	0.110	8.065	-20.006	-17.027
A082	-0.133				6.134	-71.534	19.840	0.039	-0.005	-0.047	-0.125	6.129	-71.581	19.715
A084	0.076				-25.075	-69.458	20.253	0.039	0.003	0.027	0.071	-25.072	-69.431	20.325
A086	-0.137				-39.936	-48.455	12.985	0.039	-0.005	-0.048	-0.129	-39.941	-48.503	12.857
A087	0.430				-14.455	-4.955	-4.193	0.039	0.007	0.209	0.376	-14.448	-4.746	-3.817
A092	0.378				18.007	-34.023	-11.258	0.039	0.080	0.296	0.221	18.087	-33.726	-11.037
A094	0.017				14.065	-8.733	-3.885	0.039	0.001	0.006	0.016	14.066	-8.727	-3.868
A097	0.228				-40.069	-9.431	-12.732	0.039	0.005	-0.003	-0.228	-40.064	-9.433	-12.960
A098	-0.007				-44.964	-58.888	-12.220	0.039	-0.000	0.000	0.007	-44.965	-58.888	-12.213
A099	-0.128				-22.751	-76.722	-11.551	0.039	-0.003	0.002	0.128	-22.754	-76.721	-11.423
A102	0.124				4.734	-80.677	-10.948	0.039	0.002	-0.002	-0.124	4.736	-80.678	-11.072
A113	-0.000				29.995	-46.808	-10.857	0.039	-0.000	0.000	0.000	29.995	-46.808	-10.857
A114	0.026				24.957	-28.121	-11.190	0.039	0.001	-0.000	-0.026	24.957	-28.121	-11.215
A115	-0.023				10.947	-11.059	-11.683	0.039	-0.000	0.000	0.023	10.947	-11.059	-11.660
A126	-0.138				-5.964	-11.163	-9.604	0.039	0.083	0.038	0.103	-5.881	-11.125	-9.501