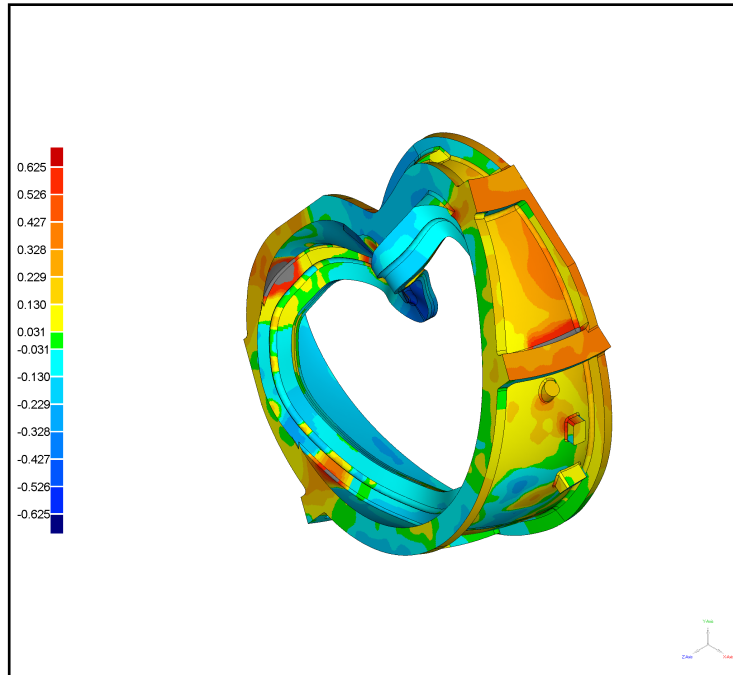


Qualify Report

Title: A6-AR
Date: 3/31/2006, 4:49 pm



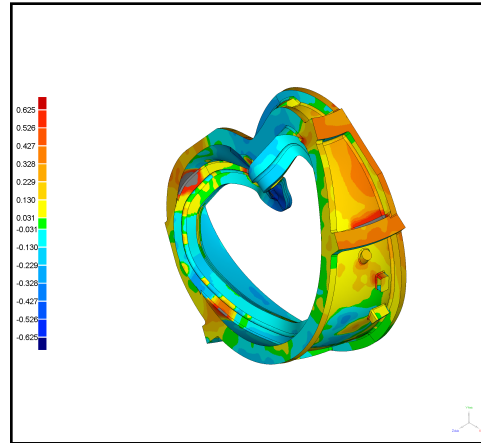
Author: Steve Pilgram
Part: A6 Coil
Test: Merged Points 5

3D Comparison Results

Reference Model	lps-coil-a-casting
Test Model	Merged Points 5
# Data Points	1196593

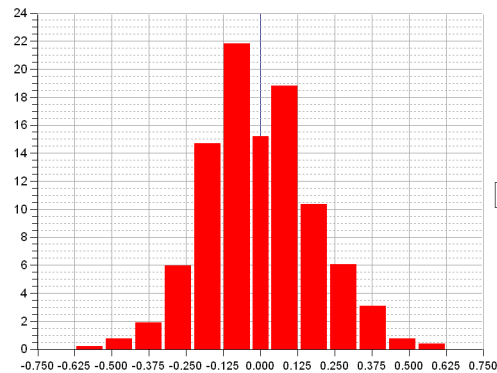
Tolerances	in
Max Tol +	0.625
Min Tol +	0.031
Min Tol -	-0.031
Max Tol -	-0.625

Deviation	in
Max Dev +	0.625
Max Dev -	-0.624
Average +/-	0.144 / -0.135
Std Dev	0.178



Percentage Deviations

>=Min	<Max	# Points	%
-0.625	-0.526	2246	0.188
-0.526	-0.427	8800	0.735
-0.427	-0.328	22902	1.914
-0.328	-0.229	71274	5.956
-0.229	-0.130	175967	14.706
-0.130	-0.031	261251	21.833
-0.031	0.031	181945	15.205
0.031	0.130	224945	18.799
0.130	0.229	124121	10.373
0.229	0.328	72749	6.080
0.328	0.427	36670	3.065
0.427	0.526	9062	0.757
0.526	0.625	4660	0.389

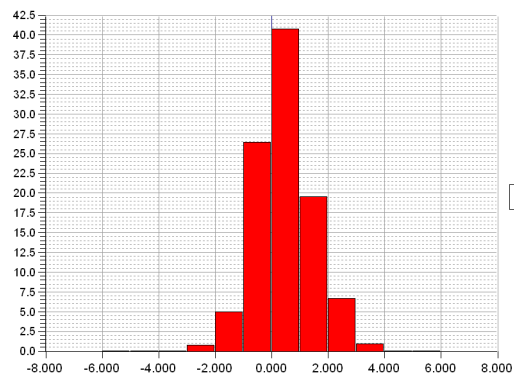


Deviation Distribution

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

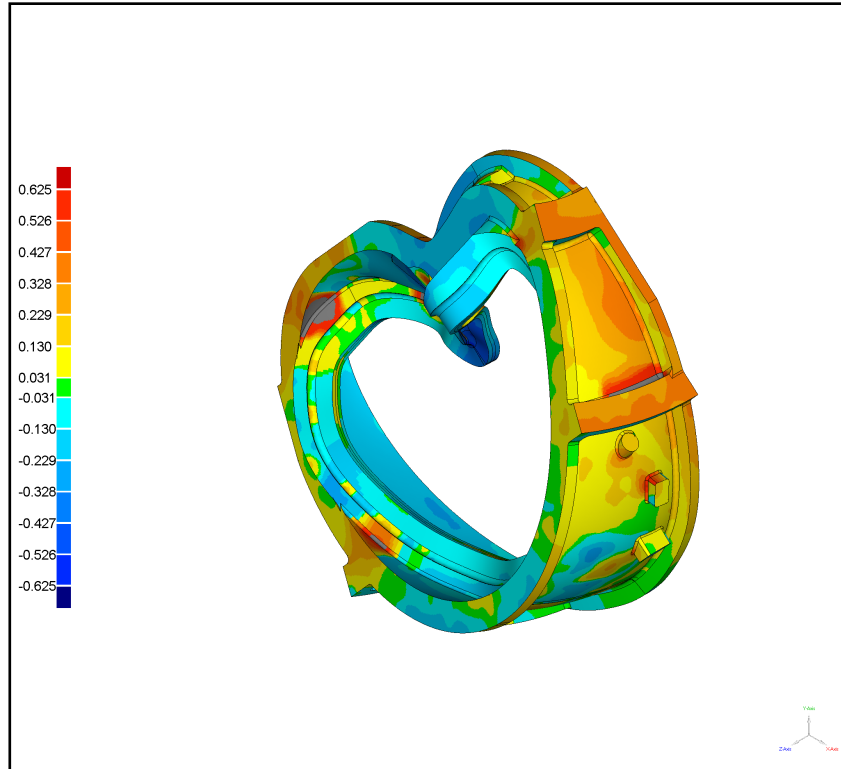
Standard Deviations

Distribution (+/-)	# Points	%
-6 * Std Dev	0	0.000
-5 * Std Dev	0	0.000
-4 * Std Dev	8	0.001
-3 * Std Dev	9172	0.767
-2 * Std Dev	59493	4.972
-1 * Std Dev	315822	26.393
1 * Std Dev	487315	40.725
2 * Std Dev	233818	19.540
3 * Std Dev	79492	6.643
4 * Std Dev	11413	0.954
5 * Std Dev	60	0.005
6 * Std Dev	0	0.000

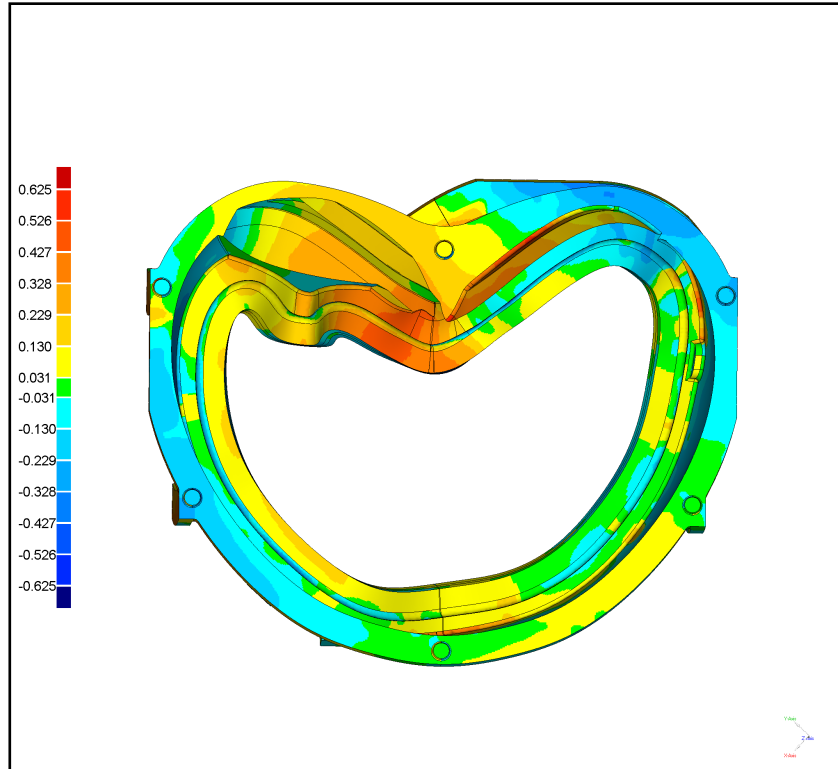


Standard Deviations

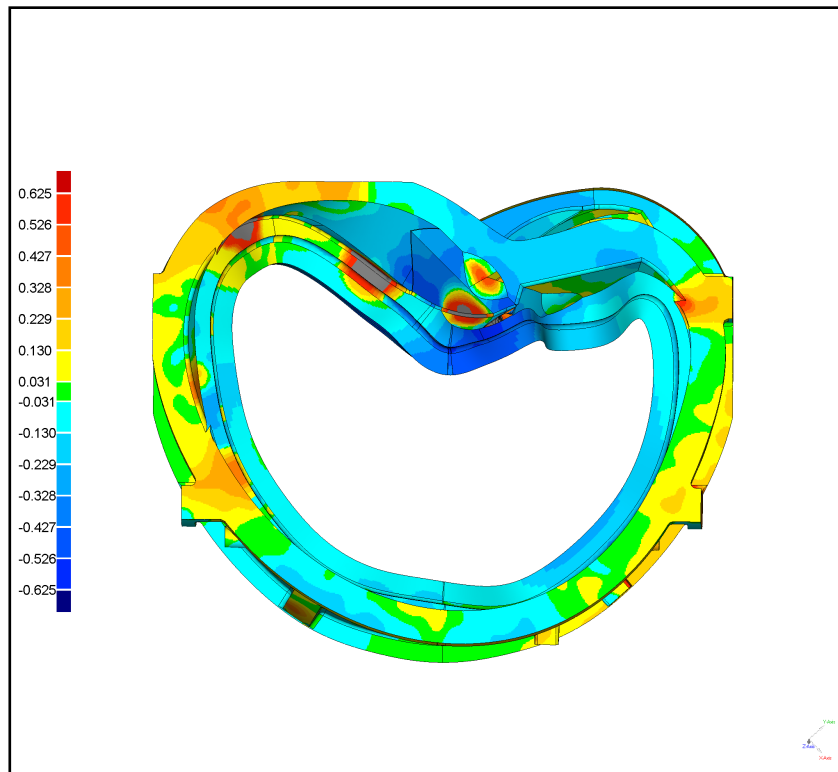
Predefined: Isometric



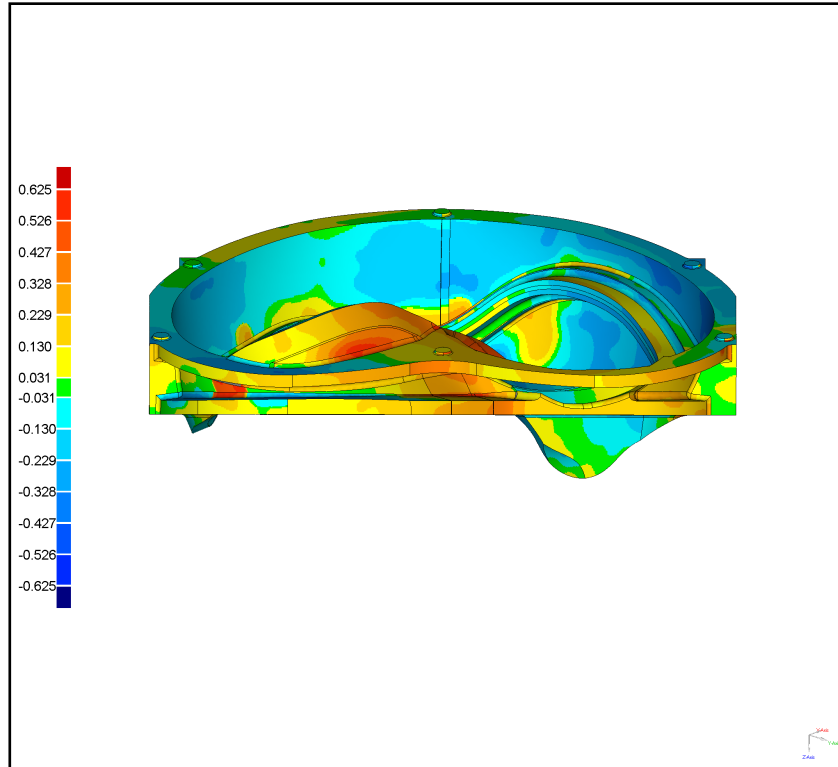
UserDefined: top



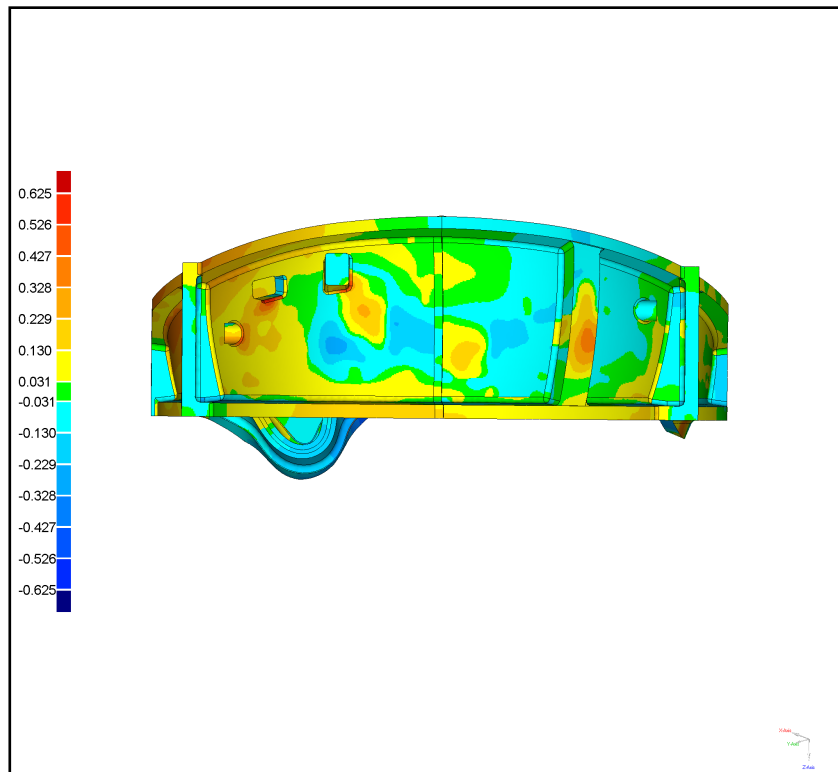
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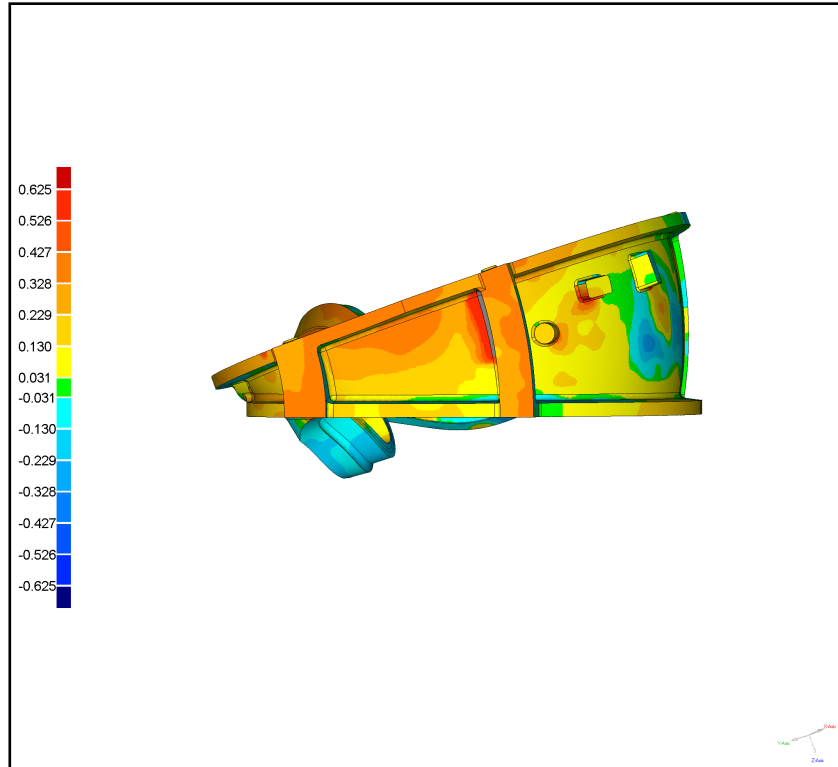
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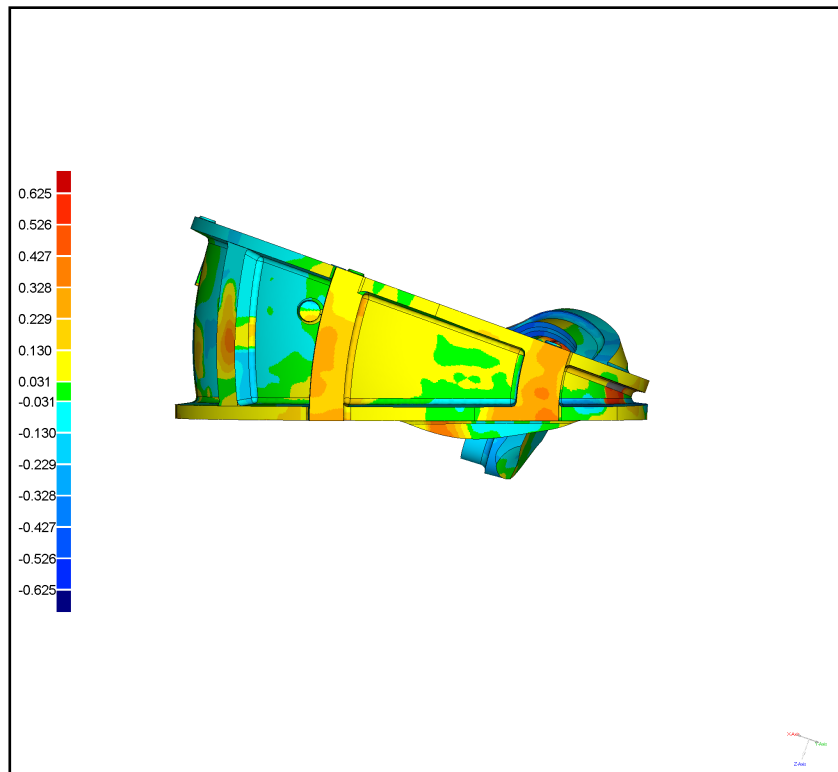
UserDefined: back



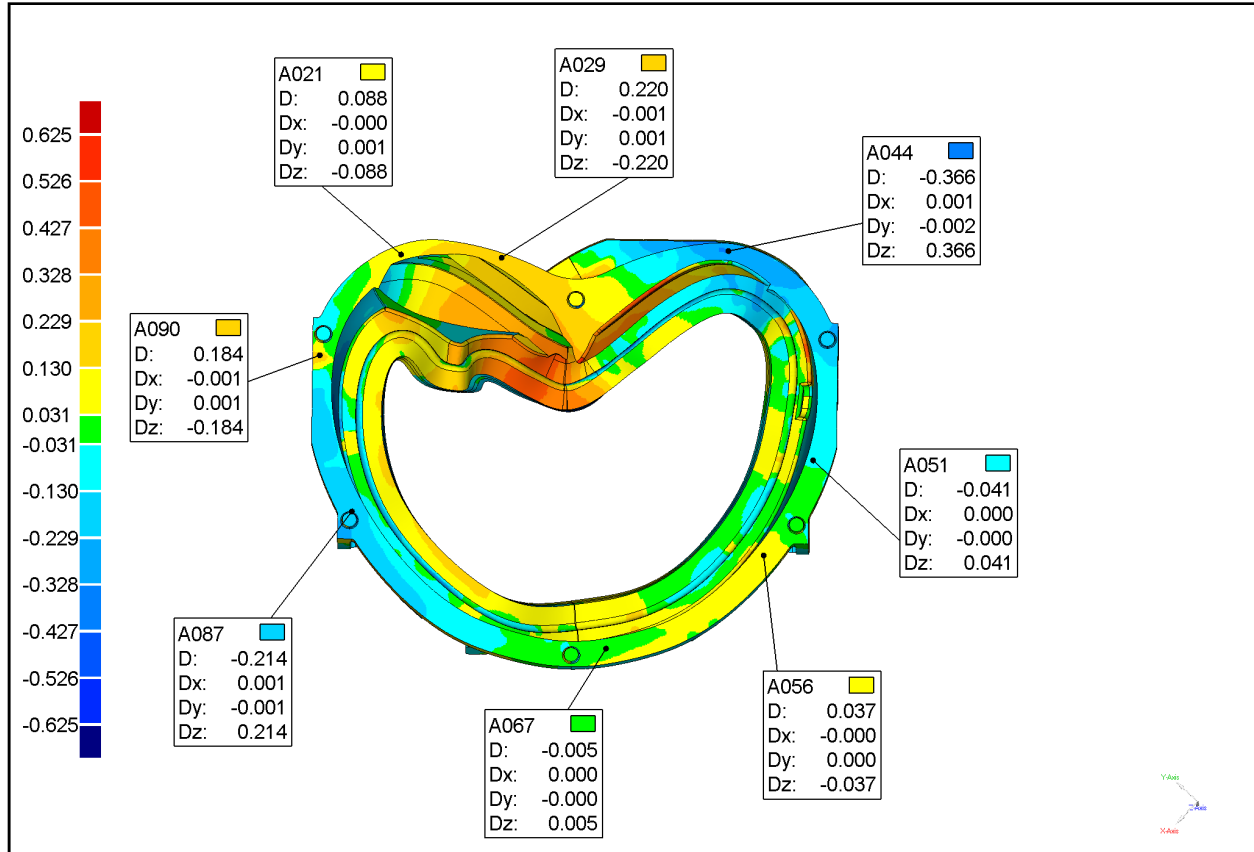
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UserDefined: left



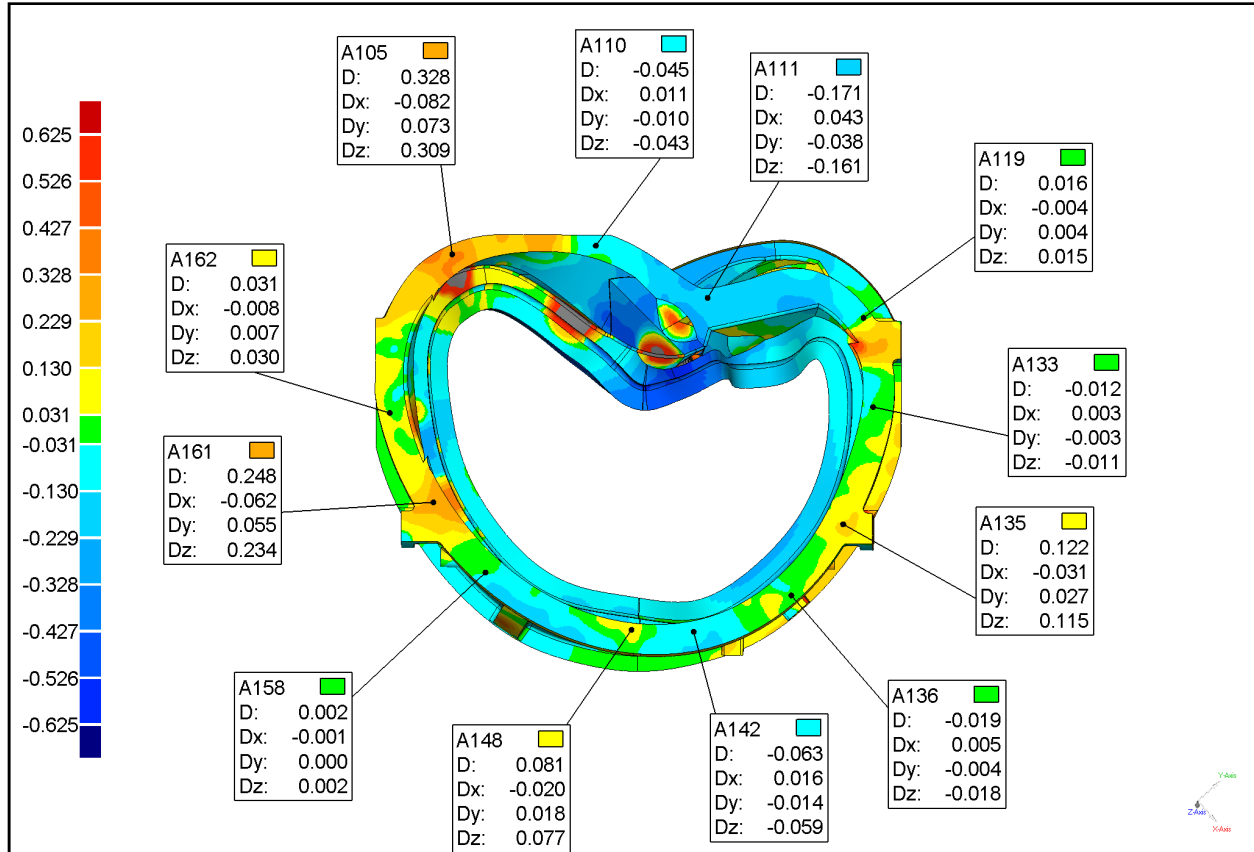
Annotated: Annotation View 1



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
A021	0.088				20.343	124.303	-16.683	0.039	-0.000	0.001	-0.088	20.342	124.303	-16.771
A029	0.220				6.575	108.261	-16.736	0.039	-0.001	0.001	-0.220	6.574	108.263	-16.955
A044	-0.366				-26.748	74.087	-16.835	0.039	0.001	-0.002	0.366	-26.746	74.085	-16.468
A051	-0.041				-5.634	30.453	-17.171	0.039	0.000	-0.000	0.041	-5.634	30.453	-17.130
A056	0.037				16.430	24.269	-17.282	0.039	-0.000	0.000	-0.037	16.430	24.269	-17.319
A067	-0.005				53.617	35.088	-17.339	0.039	0.000	-0.000	0.005	53.617	35.088	-17.333
A087	-0.214				68.049	94.443	-17.023	0.039	0.001	-0.001	0.214	68.050	94.442	-16.809
A090	0.184				47.864	122.183	-16.787	0.039	-0.001	0.001	-0.184	47.864	122.184	-16.971

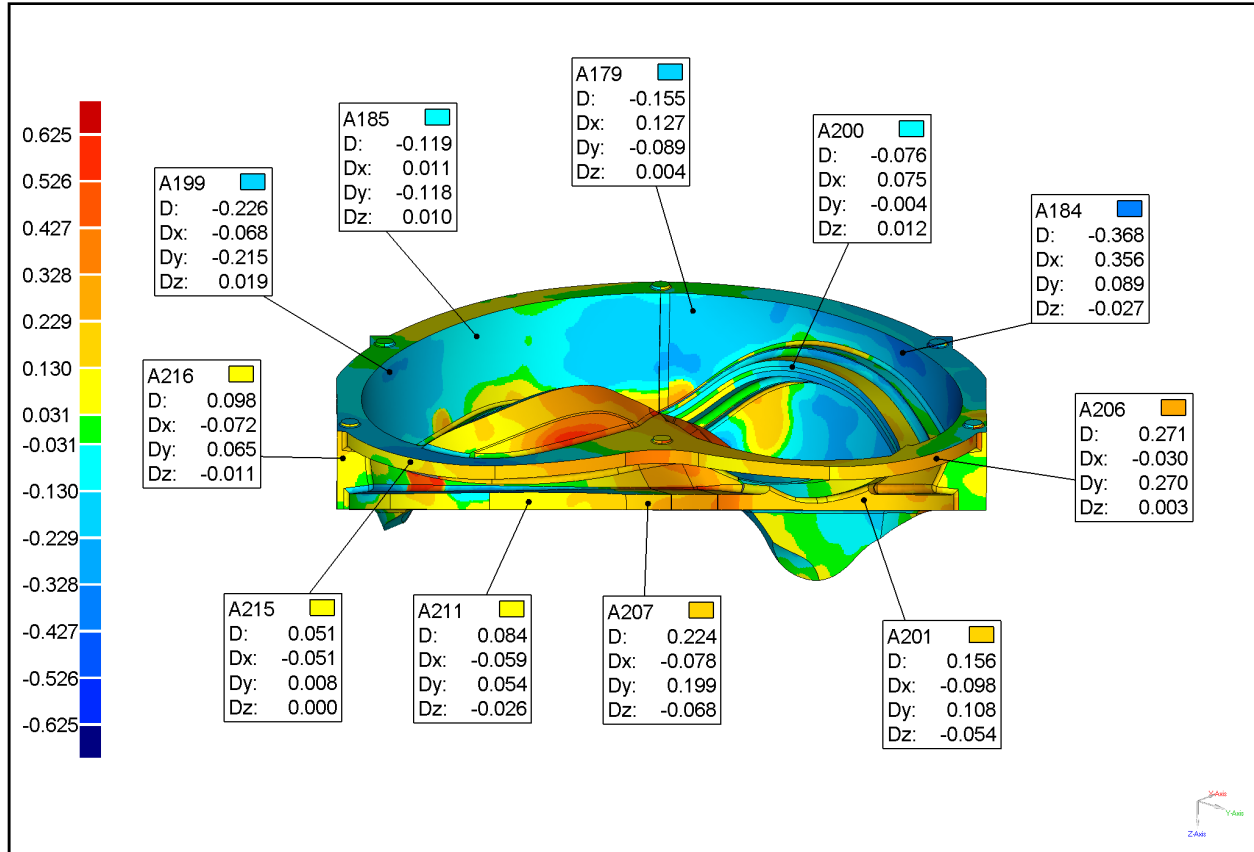
Annotated: Annotation View 2



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
A105	0.328				-31.514	68.542	-8.300	0.039	-0.082	0.073	0.309	-31.597	68.615	-7.991
A110	-0.045				-12.754	92.265	-8.898	0.039	0.011	-0.010	-0.043	-12.743	92.255	-8.941
A111	-0.171				10.690	102.866	-5.145	0.039	0.043	-0.038	-0.161	10.733	102.828	-5.306
A119	0.016				35.463	124.731	-3.699	0.039	-0.004	0.004	0.015	35.459	124.734	-3.684
A133	-0.012				50.216	114.371	2.689	0.039	0.003	-0.003	-0.011	50.219	114.368	2.677
A135	0.122				63.684	94.067	11.084	0.039	-0.031	0.027	0.115	63.653	94.094	11.199
A136	-0.019				67.131	76.434	16.172	0.039	0.005	-0.004	-0.018	67.136	76.430	16.154
A142	-0.063				58.976	56.244	18.767	0.039	0.016	-0.014	-0.059	58.991	56.230	18.708
A148	0.081				49.989	46.739	18.614	0.039	-0.020	0.018	0.077	49.969	46.757	18.691
A158	0.002				21.009	31.424	14.497	0.039	-0.001	0.000	0.002	21.009	31.425	14.499
A161	0.248				3.161	32.579	9.459	0.039	-0.062	0.055	0.234	3.099	32.635	9.693
A162	0.031				-16.365	37.609	3.057	0.039	-0.008	0.007	0.030	-16.373	37.616	3.086

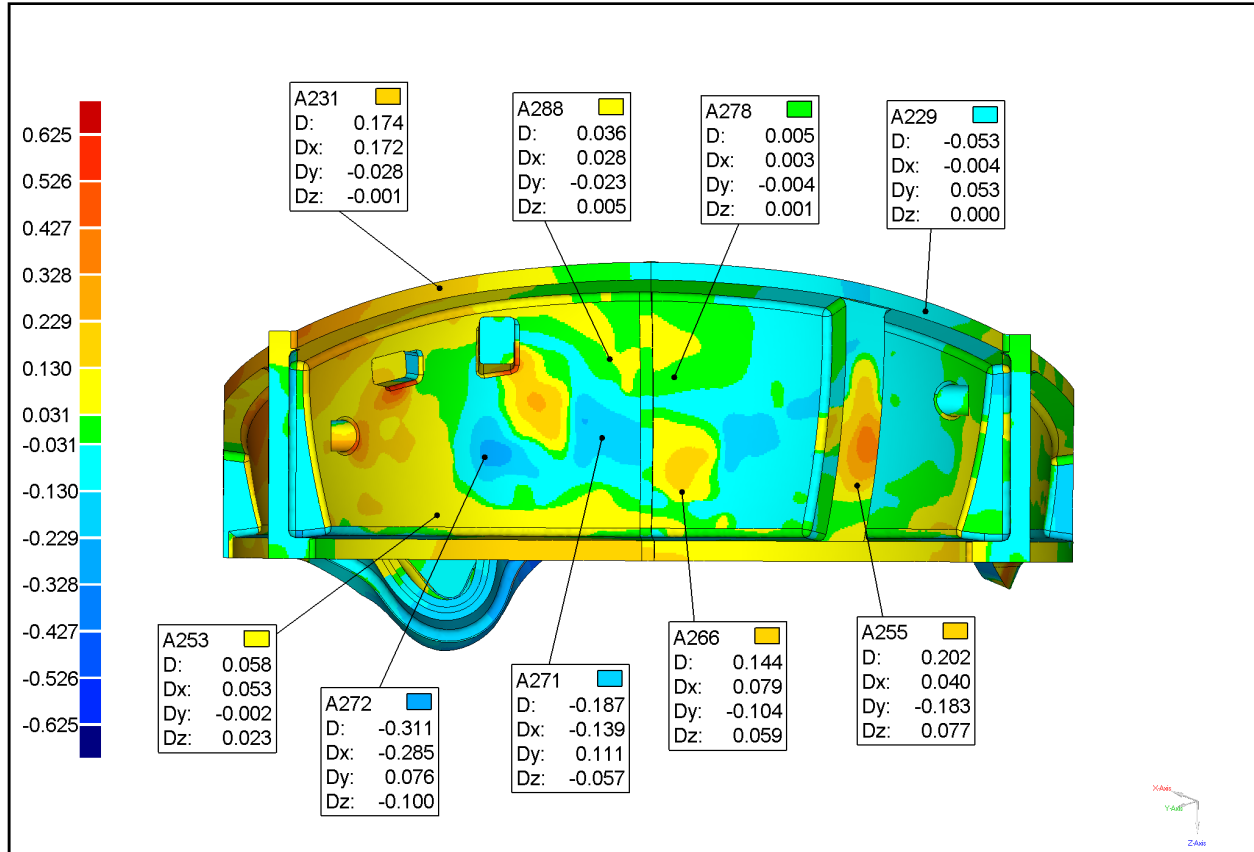
Annotated: Annotation View 3



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
A179	-0.155				60.681	45.866	-14.222	0.039	0.127	-0.089	0.004	60.808	45.777	-14.217
A184	-0.368				67.234	87.828	-14.890	0.039	0.356	0.089	-0.027	67.590	87.917	-14.917
A185	-0.119				27.063	26.614	-13.968	0.039	0.011	-0.118	0.010	27.075	26.496	-13.958
A199	-0.226				1.785	29.323	-14.919	0.039	-0.068	-0.215	0.019	1.717	29.108	-14.900
A200	-0.076				60.355	68.807	-9.643	0.039	0.075	-0.004	0.012	60.430	68.803	-9.632
A201	0.156				19.918	121.236	-8.810	0.039	-0.098	0.108	-0.054	19.820	121.345	-8.864
A206	0.271				29.652	129.081	-15.569	0.039	-0.030	0.270	0.003	29.622	129.350	-15.566
A207	0.224				-8.586	97.467	-10.114	0.039	-0.078	0.199	-0.068	-8.665	97.665	-10.182
A211	0.084				-23.114	83.269	-10.914	0.039	-0.059	0.054	-0.026	-23.173	83.323	-10.941
A215	0.051				-32.304	64.503	-16.072	0.039	-0.051	0.008	0.000	-32.355	64.511	-16.072
A216	0.098				-30.364	47.377	-12.185	0.039	-0.072	0.065	-0.011	-30.436	47.442	-12.196

Annotated: Annotation View 4



Units: in

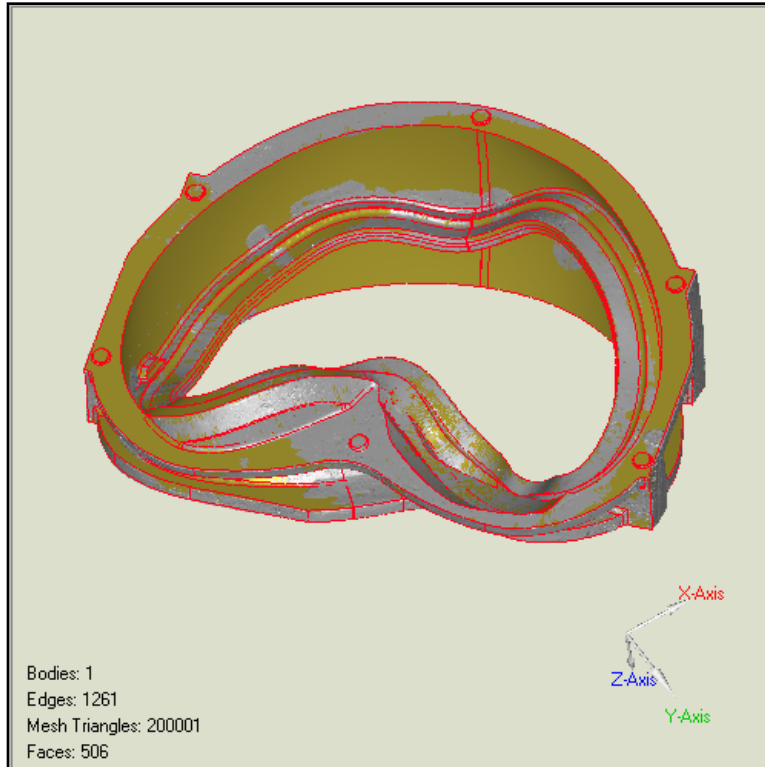
Name	Dev	Status	Tol +	Tol -	Ref X	Ref Y	Ref Z	Dev Radius	Dev X	Dev Y	Dev Z	Test X	Test Y	Test Z
A229	-0.053				26.812	20.904	-15.978	0.039	-0.004	0.053	0.000	26.808	20.957	-15.978
A231	0.174				73.961	63.494	-16.346	0.039	0.172	-0.028	-0.001	74.133	63.466	-16.346
A253	0.058				66.025	70.779	11.116	0.039	0.053	-0.002	0.023	66.078	70.778	11.139
A255	0.202				32.521	27.525	8.016	0.039	0.040	-0.183	0.077	32.561	27.342	8.092
A266	0.144				50.833	41.712	10.547	0.039	0.079	-0.104	0.059	50.912	41.608	10.606
A271	-0.187				60.044	47.471	4.228	0.039	-0.139	0.111	-0.057	59.904	47.582	4.171
A272	-0.311				66.960	61.704	5.465	0.039	-0.285	0.076	-0.100	66.675	61.780	5.365
A278	0.005				55.090	39.385	-3.588	0.039	0.003	-0.004	0.001	55.093	39.381	-3.587
A288	0.036				61.162	45.210	-5.789	0.039	0.028	-0.023	0.005	61.190	45.188	-5.784

Annotated: All

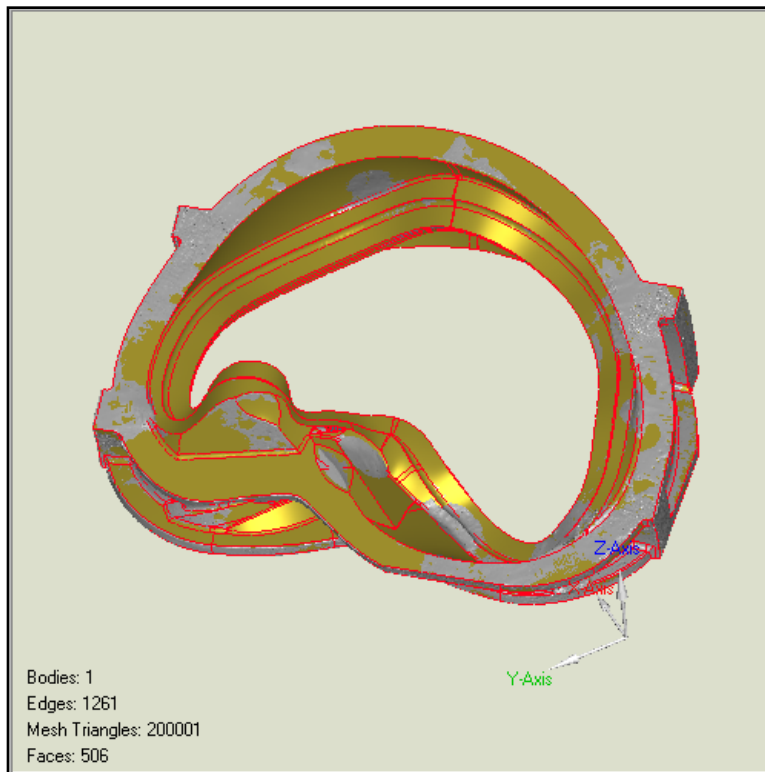
Units: in

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
A021	0.088				20.343	124.303	-16.683	0.039	-0.000	0.001	-0.088	20.342	124.303	-16.771
A029	0.220				6.575	108.261	-16.736	0.039	-0.001	0.001	-0.220	6.574	108.263	-16.955
A044	-0.366				-26.748	74.087	-16.835	0.039	0.001	-0.002	0.366	-26.746	74.085	-16.468
A051	-0.041				-5.634	30.453	-17.171	0.039	0.000	-0.000	0.041	-5.634	30.453	-17.130
A056	0.037				16.430	24.269	-17.282	0.039	-0.000	0.000	-0.037	16.430	24.269	-17.319
A067	-0.005				53.617	35.088	-17.339	0.039	0.000	-0.000	0.005	53.617	35.088	-17.333
A087	-0.214				68.049	94.443	-17.023	0.039	0.001	-0.001	0.214	68.050	94.442	-16.809
A090	0.184				47.864	122.183	-16.787	0.039	-0.001	0.001	-0.184	47.864	122.184	-16.971
A105	0.328				-31.514	68.542	-8.300	0.039	-0.082	0.073	0.309	-31.597	68.615	-7.991
A110	-0.045				-12.754	92.265	-8.898	0.039	0.011	-0.010	-0.043	-12.743	92.255	-8.941
A111	-0.171				10.690	102.866	-5.145	0.039	0.043	-0.038	-0.161	10.733	102.828	-5.306
A119	0.016				35.463	124.731	-3.699	0.039	-0.004	0.004	0.015	35.459	124.734	-3.684
A133	-0.012				50.216	114.371	2.689	0.039	0.003	-0.003	-0.011	50.219	114.368	2.677
A135	0.122				63.684	94.067	11.084	0.039	-0.031	0.027	0.115	63.653	94.094	11.199
A136	-0.019				67.131	76.434	16.172	0.039	0.005	-0.004	-0.018	67.136	76.430	16.154
A142	-0.063				58.976	56.244	18.767	0.039	0.016	-0.014	-0.059	58.991	56.230	18.708
A148	0.081				49.989	46.739	18.614	0.039	-0.020	0.018	0.077	49.969	46.757	18.691
A158	0.002				21.009	31.424	14.497	0.039	-0.001	0.000	0.002	21.009	31.425	14.499
A161	0.248				3.161	32.579	9.459	0.039	-0.062	0.055	0.234	3.099	32.635	9.693
A162	0.031				-16.365	37.609	3.057	0.039	-0.008	0.007	0.030	-16.373	37.616	3.086
A179	-0.155				60.681	45.866	-14.222	0.039	0.127	-0.089	0.004	60.808	45.777	-14.217
A184	-0.368				67.234	87.828	-14.890	0.039	0.356	0.089	-0.027	67.590	87.917	-14.917
A185	-0.119				27.063	26.614	-13.968	0.039	0.011	-0.118	0.010	27.075	26.496	-13.958
A199	-0.226				1.785	29.323	-14.919	0.039	-0.068	-0.215	0.019	1.717	29.108	-14.900
A200	-0.076				60.355	68.807	-9.643	0.039	0.075	-0.004	0.012	60.430	68.803	-9.632
A201	0.156				19.918	121.236	-8.810	0.039	-0.098	0.108	-0.054	19.820	121.345	-8.864
A206	0.271				29.652	129.081	-15.569	0.039	-0.030	0.270	0.003	29.622	129.350	-15.566
A207	0.224				-8.586	97.467	-10.114	0.039	-0.078	0.199	-0.068	-8.665	97.665	-10.182
A211	0.084				-23.114	83.269	-10.914	0.039	-0.059	0.054	-0.026	-23.173	83.323	-10.941
A215	0.051				-32.304	64.503	-16.072	0.039	-0.051	0.008	0.000	-32.355	64.511	-16.072
A216	0.098				-30.364	47.377	-12.185	0.039	-0.072	0.065	-0.011	-30.436	47.442	-12.196
A229	-0.053				26.812	20.904	-15.978	0.039	-0.004	0.053	0.000	26.808	20.957	-15.978
A231	0.174				73.961	63.494	-16.346	0.039	0.172	-0.028	-0.001	74.133	63.466	-16.346
A253	0.058				66.025	70.779	11.116	0.039	0.053	-0.002	0.023	66.078	70.778	11.139
A255	0.202				32.521	27.525	8.016	0.039	0.040	-0.183	0.077	32.561	27.342	8.092
A266	0.144				50.833	41.712	10.547	0.039	0.079	-0.104	0.059	50.912	41.608	10.606
A271	-0.187				60.044	47.471	4.228	0.039	-0.139	0.111	-0.057	59.904	47.582	4.171
A272	-0.311				66.960	61.704	5.465	0.039	-0.285	0.076	-0.100	66.675	61.780	5.365
A278	0.005				55.090	39.385	-3.588	0.039	0.003	-0.004	0.001	55.093	39.381	-3.587
A288	0.036				61.162	45.210	-5.789	0.039	0.028	-0.023	0.005	61.190	45.188	-5.784

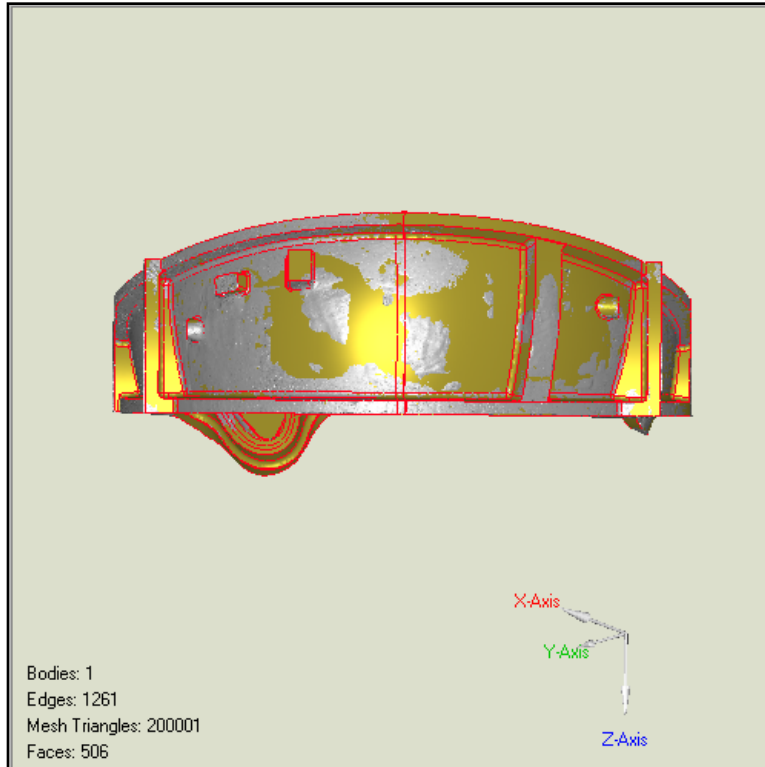
Snapshots: Snapshot 1



Snapshots: Snapshot 2



Snapshots: Snapshot 3



Snapshots: Snapshot 4

