

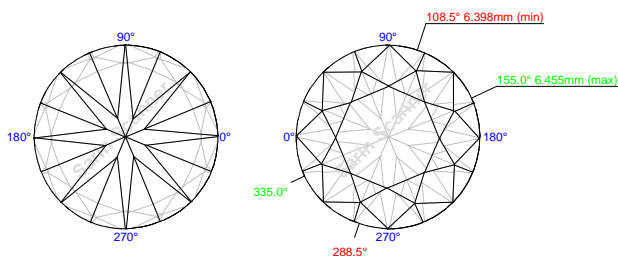
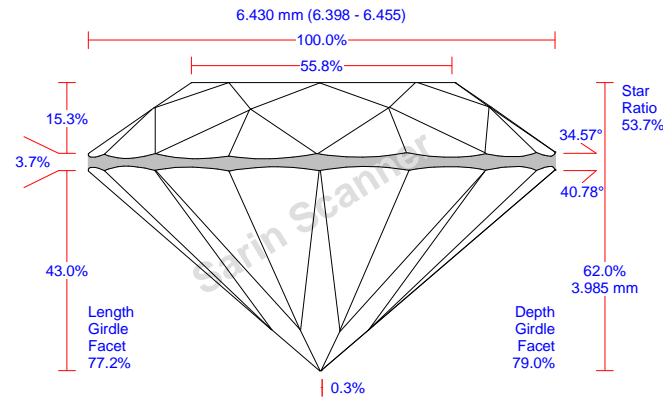
# HELIUM ILLUSTRATED REPORT

Good Old Gold, Inc. Polished Brilliant

Model Sarin  
 Expert name J.W.  
 Report date May 2010  
 Real weight, ct 1.01  
 Calculated weight, ct 1.01, 1.0166  
 Measurements 6.430 (6.398-6.455) x 3.985 /0.002 mm  
 Spread -0.03 ct, -2.58%

## Average values, mm

Diam	Total height	Crown height	Pav. depth	Table	Culet	Girdle		
						Bezel	Bone	Valley
6.430	3.985	0.981	2.768	3.589	0.019	0.236	0.237	0.131



Appraiser title  
 Overall cut quality  
 Symmetry appraiser title  
 Overall symmetry quality

AGS\_2005  
 0  
 N/A  
 IDEAL

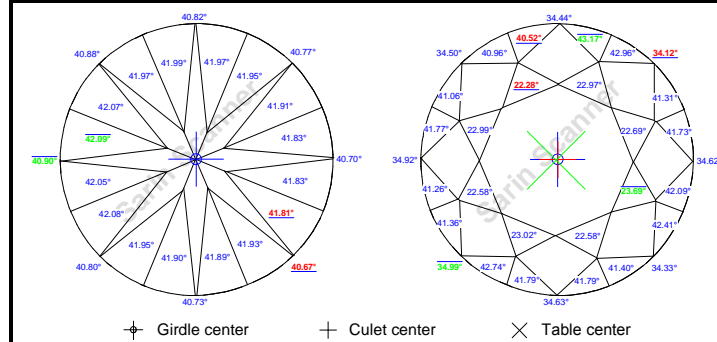
Color	F
Clarity	SI1
Polish/Symmetry	GIA EXCELLENT
Fluorescence	NONE

Parameter	Avg	Min	Max	Dev	Cut	Sym
Diameter, mm	6.430	6.398	6.455	0.89%	N/A	VG
Crown angle, °	34.57	34.12	34.99	0.87	N/A	VG
Pavilion angle, °	40.78	40.67	40.90	0.23	N/A	EX
Total height, %	61.98				N/A	
Crown height, %	15.26	15.01	15.37	0.36	N/A	EX
Pavilion depth, %	43.05	42.93	43.17	0.24	N/A	EX
Table, %	55.81	55.41	56.43	1.02	N/A	VG
Culet, %	0.29	0.20	0.36	0.15	0	EX
Girdle Bezel, %	3.68	3.53	3.81	0.29	0	EX
Girdle Bone, %	3.69	3.21	4.12	0.91		VG
Girdle Valley, %	2.04	1.68	2.46	0.79	0	EX
Star: Upper ratio, %	53.67: 46.33	52.36: 47.64	55.42: 44.58	3.06		GD
Star angle, °	22.85	22.28	23.69	1.41		VG
Upper girdle angle, °	41.77	40.52	43.17	2.65		GD
Lower girdle angle / Halves angle, °	41.95	41.81	42.09	0.28		EX
Twist, °	0.49	0.14	1.06	0.92		EX
Crown height, mm	0.981	0.965	0.988	0.023	N/A	EX
Pavilion depth, mm	2.768	2.761	2.776	0.015	N/A	EX
Table, mm	3.589	3.563	3.629	0.066	N/A	VG
Culet, mm	0.019	0.013	0.023	0.010	0	EX
Girdle Bezel, mm	0.236	0.227	0.245	0.018	0	EX
Girdle Bone, mm	0.237	0.206	0.265	0.058		VG
Girdle Valley, mm	0.131	0.108	0.158	0.051	0	EX

## Measurement as per OctoNus theory:

Crown angle, °	34.57	34.41	34.77	0.35		
Pavilion angle, °	40.78	40.77	40.80	0.03		
Fish eye effect, °			8.77		N/A	
Culet through Crown Bezel, °			8.82		N/A	

Parameter, °	1	2	3	4	5	6	7	8
Pav. azimuths dev. from ideal	0.00	-0.15	0.72	0.30	0.85	0.74	-0.02	0.29
Crown azimuths dev. from ideal	0.77	0.45	0.58	0.46	0.56	0.28	0.48	-0.77
Crown painting	0.30	-0.79	-0.65	-1.21	2.37	2.10	0.56	-0.20
	0.44	1.00	-0.31	-0.00	-0.03	0.73	-0.82	-1.20
Pavilion painting	0.58	-0.44	0.46	0.52	-0.13	-0.27	0.16	0.11
	-0.54	0.96	-0.64	-0.00	0.25	0.65	-0.03	-0.67

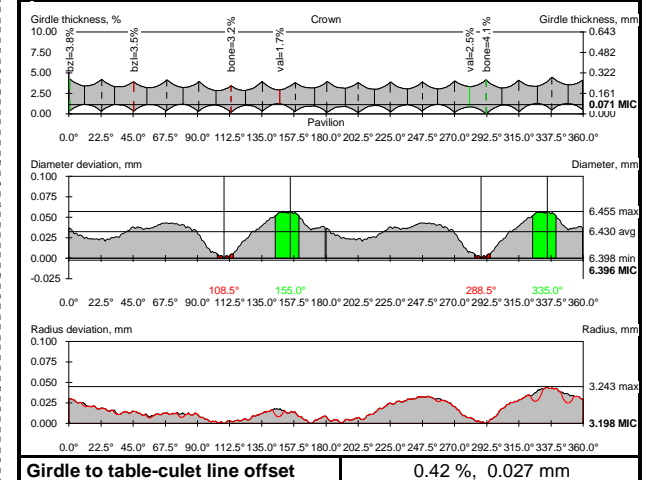


Offset by table axis		
Girdle-Culet	0.15 ± 0.19, %	0.009 ± 0.012, mm
Girdle-Table	0.62 ± 0.17, %	0.040 ± 0.011, mm
Table-Culet	0.70 ± 0.21, %	0.045 ± 0.013, mm

1	2	3	4	5	6	7	8
6.435	6.436	6.427	6.438				
34.92	34.50	34.44	34.12	34.62	34.33	34.63	34.99
40.70	40.77	40.82	40.88	40.90	40.80	40.73	40.67
15.01	15.35	15.31	15.32	15.31	15.37	15.25	15.15
43.17	43.10	43.06	43.08	42.93	43.00	42.96	43.06
56.43	55.41	55.49	55.92				
3.81	3.53	3.57	3.58	3.73	3.61	3.78	3.78
3.84	3.71	3.21	3.47	3.65	3.52	4.12	3.98
2.23	2.16	2.05	2.02	1.74	1.80	1.68	2.22
2.21	1.96	1.91	1.86	2.46	2.06	2.09	2.26
52.36: 47.64	53.08: 46.92	55.42: 44.58	53.22: 46.78	55.27: 44.73	53.98: 46.02	52.90: 47.10	53.12: 46.88
22.99	22.28	22.97	22.69	23.69	22.58	23.02	22.58
41.77	41.06	40.96	40.52	43.17	42.96	41.31	41.73
42.09	42.41	41.40	41.79	41.79	42.74	41.36	41.26
41.83	41.91	41.95	41.97	41.99	41.97	42.07	42.09
42.05	42.08	41.95	41.90	41.89	41.93	41.81	41.83
0.77	0.59	0.14	0.16	0.29	0.45	0.50	1.06
0.965	0.987	0.984	0.985	0.985	0.988	0.980	0.974
2.776	2.771	2.769	2.770	2.761	2.765	2.763	2.769
3.629	3.563	3.568	3.596				
0.245	0.227	0.229	0.230	0.240	0.232	0.243	0.243
0.247	0.239	0.206	0.223	0.235	0.226	0.265	0.256
0.143	0.139	0.132	0.130	0.112	0.116	0.108	0.142
0.142	0.126	0.123	0.120	0.158	0.133	0.135	0.145

34.77	34.41	34.54	34.56				
40.80	40.79	40.78	40.77				
Extra Facet / Nat	No						
Girdle to MIC, mm	0.002						

Paint / Dug	Avg	Type	Sym	Dev	Sym
Crown, °	0.14	Classical	N/A	2.37	N/A
Crown, notch	0.0, Negligible			0.6	
Pavilion, °	0.06	N/A		0.96	N/A
Pavilion, notch	0.0, Negligible			0.3	



Girdle to table-culet line offset	0.42 %, 0.027 mm
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