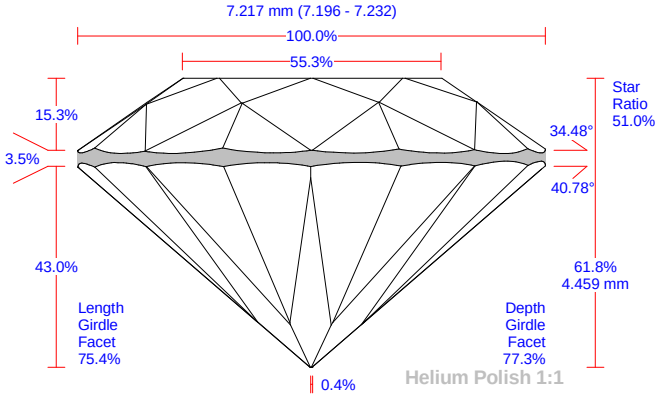
DIAMCALC ILLUSTRATED REPORT

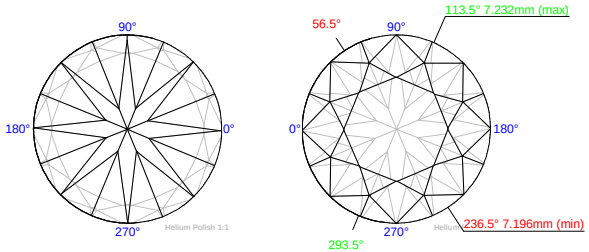
Good Old Gold, Inc. Polished Brilliant

Model	Helium
Expert name	J.W.
Report date	9/23/09
Real weight, ct	1.42
Calculated weight, ct	1.42, 1.4273
Measurements, mm	7.217 (7.196-7.232) x 4.459 /0.002
Spread	-0.03 ct, -1.96%

Average values, mm

Total height	Crown height	Pavilion depth	Table	Culet	Girdle		
					Bezel	Bone	Valley
4.459	1.107	3.101	3.993	0.029	0.251	0.279	0.148



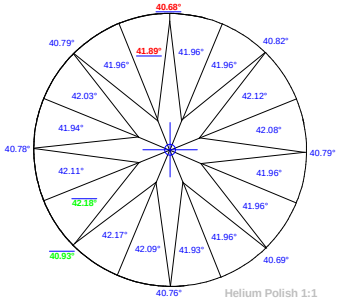


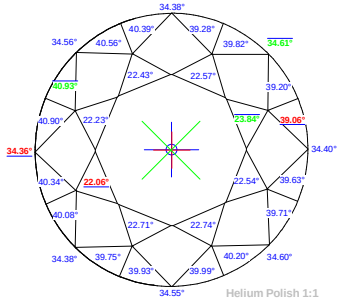
Appraiser title	AGS_2005
Overall cut quality	0
Overall symmetry quality	IDEAL

Symmetry	GIA Excellent
Polish	GIA Excellent
Color	H
Clarity	VS1
Fluorescence	None

Parameter	Avg	Min	Max	Dev	Cut	Sym
Diameter, mm	7.217	7.196	7.232	0.50%	N/A	EX
Crown angle, °	34.48	34.36	34.61	0.25	N/A	EX
Pavilion angle, °	40.78	40.68	40.93	0.25	N/A	EX
Total height, %	61.79				N/A	-
Crown height, %	15.34	15.11	15.57	0.47	N/A	EX
Pavilion depth, %	42.97	42.86	43.10	0.25	N/A	EX
Table, %	55.33	55.26	55.38	0.12	N/A	EX
Culet, %	0.40	0.35	0.43	0.08	0	EX
Girdle Bezel, %	3.47	3.25	3.59	0.34	0	EX
Girdle Bone, %	3.86	3.48	4.22	0.74	-	EX
Girdle Valley, %	2.05	1.64	2.21	0.57	0	EX
Star: Upper ratio, %	50.97: 49.03	50.24: 49.76	51.70: 48.30	1.46	-	-
Star angle, °	22.64	22.06	23.84	1.79		GD
Upper girdle angle, °	39.99	39.06	40.93	1.87	-	GD
Lower girdle angle / Halves angle, °	42.02	41.89	42.18	0.29	-	EX
Twist, °	0.50	0.15	1.27	1.13	-	VG
Crown height, mm	1.107	1.090	1.124	0.034	-	-
Pavilion depth, mm	3.101	3.093	3.111	0.018	-	-
Table, mm	3.993	3.988	3.997	0.008	-	-
Culet, mm	0.029	0.025	0.031	0.006	-	-
Girdle Bezel, mm	0.251	0.234	0.259	0.025	-	-
Girdle Bone, mm	0.279	0.251	0.305	0.053	-	-
Girdle Valley, mm	0.148	0.119	0.160	0.041	-	-
Measurement as per OctoNus theory:						
Crown angle, °	34.48	34.38	34.58	0.20	-	-
Pavilion angle, °	40.78	40.72	40.87	0.16	-	-
Fish eye effect, °			9.02		N/A	-
Culet through Crown Bezel, °			8.66		N/A	-

Parameter, °	1	2	3	4	5	6	7	8
Pav. azimuths deviation from ideal	0.00	0.05	0.10	-0.31	-0.03	-0.65	-0.41	-0.64
Crown azimuths deviation from ideal	-0.15	0.32	0.68	0.96	-0.76	-0.30	-0.26	-1.13
Crown painting	-0.45	-0.67	-0.47	-0.32	-2.55	-1.72	-3.03	-2.74
	-1.59	-1.67	-1.84	-1.50	-1.46	-1.70	-0.69	-0.40
Pavilion painting	-0.26	0.21	-0.09	0.37	-0.32	-0.20	0.09	-0.03
	-0.02	-0.10	-0.39	-0.25	-0.11	-0.06	0.42	0.04





Girdle center Culet center Table center

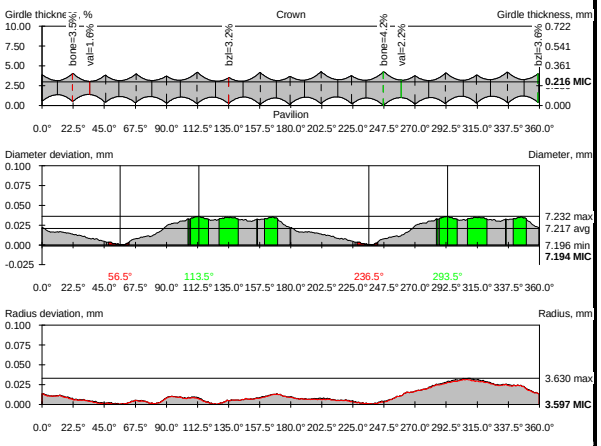
Offset by table axis

Girdle-Culet	0.20 ± 0.19, %	0.014 ± 0.013, mm
Girdle-Table	0.27 ± 0.16, %	0.020 ± 0.012, mm
Table-Culet	0.30 ± 0.20, %	0.022 ± 0.014, mm

1	2	3	4	5	6	7	8
7.218	7.201	7.220	7.231				
34.36	34.56	34.38	34.61	34.40	34.60	34.55	34.38
40.79	40.82	40.68	40.79	40.78	40.93	40.76	40.69
15.11	15.29	15.38	15.57	15.43	15.34	15.35	15.25
43.09	43.10	42.98	42.93	42.86	42.91	42.86	43.02
55.38	55.38	55.26	55.31				
3.59	3.40	3.42	3.25	3.50	3.53	3.58	3.52
3.48	3.57	3.94	4.03	4.03	4.22	3.80	3.85
1.77 2.15	1.64 2.18	2.00 2.21	2.02 2.21	2.11 2.14	2.02 2.00	1.99 2.09	2.19 2.06
50.90: 49.10	50.80: 49.20	51.70: 48.30	51.35: 48.65	50.79: 49.21	51.59: 48.41	50.24: 49.76	50.37: 49.63
22.23	22.43	22.57	23.84	22.54	22.74	22.71	22.06
40.90 39.63	40.93 39.71	40.56 40.20	40.39 39.99	39.28 39.93	39.82 39.75	39.20 40.08	39.06 40.34
42.08 42.11	42.12 42.18	41.96 42.17	41.96 42.09	41.89 41.93	41.96 41.96	42.03 41.96	41.94 41.96
0.15	0.27	0.58	1.27	0.72	0.34	0.15	0.49
1.090	1.103	1.110	1.124	1.114	1.107	1.108	1.101
3.110	3.111	3.102	3.098	3.093	3.097	3.093	3.104
3.997	3.997	3.988	3.992				
0.259	0.245	0.247	0.234	0.252	0.254	0.258	0.254
0.251	0.258	0.284	0.291	0.291	0.305	0.274	0.278
0.128 0.155	0.119 0.157	0.145 0.159	0.146 0.160	0.152 0.155	0.146 0.144	0.143 0.151	0.158 0.148

34.38	34.58	34.46	34.49				
40.78	40.87	40.72	40.74				

Extra Facet / Nat	No
Girdle to MIC, mm	0.002



Paint / Dug	Avg	Max	Type
Crown, °	-1.43	-3.03	Classical
Crown, notches	0.4, Small	0.8	
Pavilion, °	-0.04	0.42	
Pavilion, notches	0.0, Negligible	0.1	