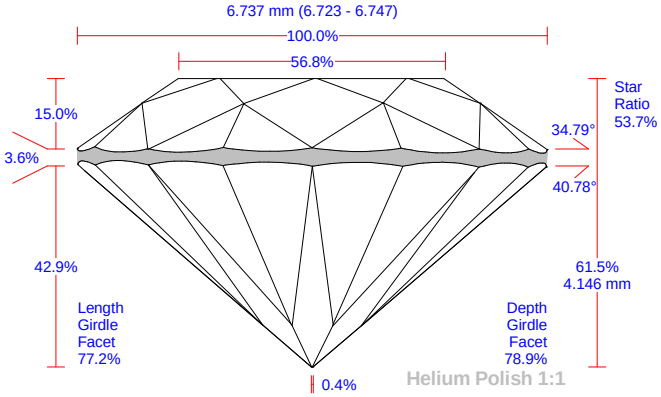
DIAMCALC ILLUSTRATED REPORT

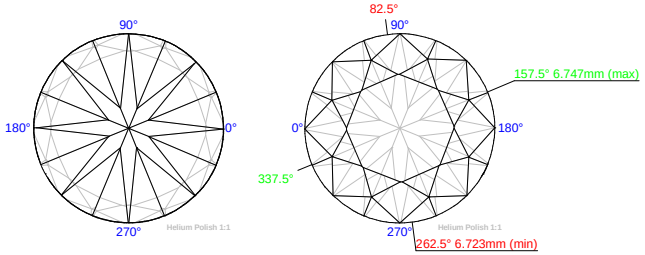
Good Old Gold, Inc. Polished Brilliant

Model	Helium
Expert name	J.W.
Report date	5/21/09
Real weight, ct	1.16
Calculated weight, ct	1.16, 1.1603
Measurements, mm	6.737 (6.723-6.747) x 4.146 /0.004
Spread	-0.03 ct, -2.42%

Average values, mm

Total height	Crown height	Pavilion depth	Table	Culet	Girdle		
					Bezel	Bone	Valley
4.146	1.013	2.889	3.826	0.026	0.245	0.256	0.137



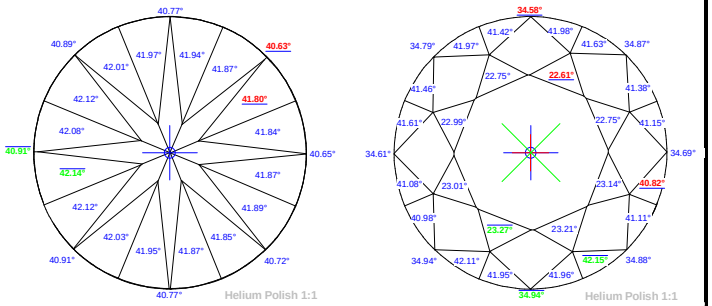


Appraiser title	AGS_2005
Overall cut quality	0
Overall symmetry quality	IDEAL

Symmetry	AGS Ideal
Polish	AGS Ideal
Color	H
Clarity	SI1
Fluorescence	None

Parameter	Avg	Min	Max	Dev	Cut	Sym
Diameter, mm	6.737	6.723	6.747	0.36%	N/A	EX
Crown angle, °	34.79	34.58	34.94	0.36	N/A	EX
Pavilion angle, °	40.78	40.63	40.91	0.29	N/A	EX
Total height, %	61.54				N/A	-
Crown height, %	15.03	14.79	15.19	0.40	N/A	EX
Pavilion depth, %	42.88	42.62	43.16	0.54	N/A	EX
Table, %	56.79	56.66	56.93	0.26	N/A	EX
Culet, %	0.39	0.32	0.43	0.11	0	EX
Girdle Bezel, %	3.63	3.40	3.92	0.52	0	EX
Girdle Bone, %	3.80	3.72	3.86	0.14	-	EX
Girdle Valley, %	2.03	1.82	2.31	0.49	0	EX
Star: Upper ratio, %	53.65: 46.35	52.24: 47.76	54.95: 45.05	2.70	-	-
Star angle, °	22.97	22.61	23.27	0.67		EX
Upper girdle angle, °	41.55	40.82	42.15	1.33	-	VG
Lower girdle angle / Halves angle, °	41.96	41.80	42.14	0.33	-	EX
Twist, °	0.52	0.23	0.63	0.40	-	EX
Crown height, mm	1.013	0.996	1.023	0.027	-	-
Pavilion depth, mm	2.889	2.871	2.908	0.036	-	-
Table, mm	3.826	3.817	3.835	0.018	-	-
Culet, mm	0.026	0.022	0.029	0.007	-	-
Girdle Bezel, mm	0.245	0.229	0.264	0.035	-	-
Girdle Bone, mm	0.256	0.250	0.260	0.010	-	-
Girdle Valley, mm	0.137	0.123	0.156	0.033	-	-
Measurement as per OctoNus theory:						
Crown angle, °	34.79	34.65	34.90	0.26	-	-
Pavilion angle, °	40.78	40.77	40.80	0.03	-	-
Fish eye effect, °			8.20		N/A	-
Culet through Crown Bezel, °			9.85		N/A	-

Parameter, °	1	2	3	4	5	6	7	8
Pav. azimuths deviation from ideal	0.00	-0.22	-0.15	-0.04	-0.20	-0.28	-0.57	-0.65
Crown azimuths deviation from ideal	-0.23	-0.81	-0.78	-0.42	0.39	0.25	0.06	-0.07
Crown painting	0.01	-0.54	0.17	-0.80	0.38	-0.60	-1.21	-0.78
	-1.80	-1.40	-0.06	-0.63	-0.41	-0.08	-1.36	-0.47
Pavilion painting	-0.20	0.04	0.11	-0.28	0.21	0.03	-0.21	-0.25
	0.13	0.02	-0.11	-0.21	0.04	-0.27	-0.03	0.69

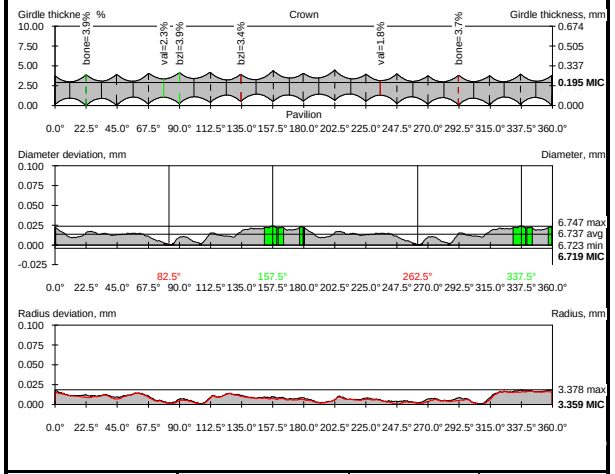


Offset by table axis		
Girdle-Culet	0.05 ± 0.20, %	0.003 ± 0.013, mm
Girdle-Table	0.16 ± 0.17, %	0.011 ± 0.012, mm
Table-Culet	0.19 ± 0.21, %	0.013 ± 0.014, mm

1	2	3	4	5	6	7	8
6.745	6.736	6.733	6.740				
34.61	34.79	34.58	34.87	34.69	34.88	34.94	34.94
40.65	40.63	40.77	40.89	40.91	40.91	40.77	40.72
15.17	15.02	14.79	15.01	14.89	15.02	15.18	15.19
42.67	42.62	42.84	43.14	43.16	43.13	42.82	42.69
56.66	56.93	56.79	56.77				
3.70	3.90	3.92	3.40	3.49	3.42	3.57	3.66
3.86	3.81	3.78	3.84	3.83	3.74	3.72	3.80
2.07	2.17	2.00	2.31	2.29	1.88	1.84	2.12
2.04	1.90	1.82	1.94	2.01	2.09	1.91	2.04
52.24:	52.83:	54.34:	53.88:	54.19:	54.95:	54.31:	52.48:
47.76	47.17	45.66	46.12	45.81	45.05	45.69	47.52
22.99	22.75	22.61	22.75	23.14	23.21	23.27	23.01
41.61	41.46	41.97	41.42	41.98	41.63	41.38	41.15
40.82	41.11	42.15	41.96	41.95	42.11	40.98	41.08
41.84	41.80	41.87	41.94	41.97	42.01	42.12	42.08
42.14	42.12	42.03	41.95	41.85	41.87	41.89	41.87
0.23	0.59	0.63	0.38	0.59	0.54	0.63	0.57
1.022	1.012	0.996	1.011	1.003	1.012	1.023	1.023
2.875	2.871	2.886	2.906	2.908	2.906	2.885	2.876
3.817	3.835	3.826	3.824				
0.249	0.263	0.264	0.229	0.235	0.231	0.240	0.247
0.260	0.257	0.255	0.259	0.258	0.252	0.250	0.256
0.139	0.146	0.134	0.156	0.154	0.126	0.124	0.143
0.137	0.128	0.123	0.131	0.135	0.141	0.129	0.138

34.65	34.84	34.76	34.90				
40.78	40.77	40.77	40.80				

Extra Facet / Nat	No
Girdle to MIC, mm	0.004



Paint / Dug	Avg	Max	Type
Crown, °	-0.60	-1.80	Classical
Crown, notches	0.2, Very small	0.5	
Pavilion, °	-0.02	0.69	
Pavilion, notches	0.0, Negligible	0.2	