

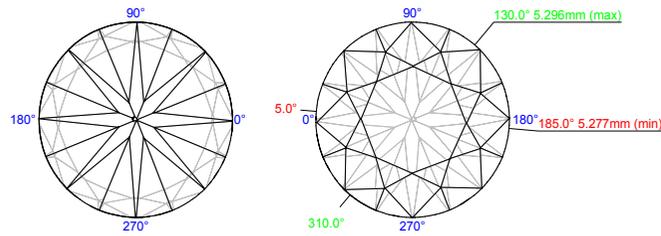
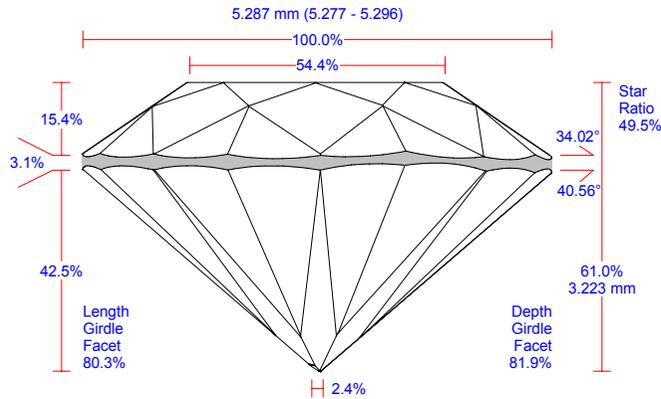
HELIUM ILLUSTRATED REPORT

Polished Brilliant

Model: Simple
 Expert name: Makoed A.G.
 Report date: 18.07.2006
 Real weight, ct:
 Calculated weight, ct: 0.54, 0.5484
 Measurements, mm: 5.287 (5.277-5.296) x 3.223 /0.008
 Spread: 0.01 ct, 1.33%

Average values, mm

Total height	Crown height	Pavilion depth	Table	Culet	Girdle		
					Bezel	Bone	Valley
3.223	0.813	2.245	2.876	0.129	0.164	0.176	0.089



Appraiser title: HRD
 Overall cut quality: Good
 Overall symmetry quality: FR

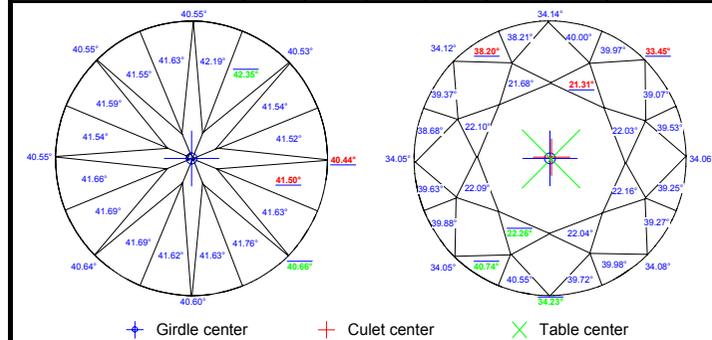
Symmetry	Polish	Color	Clarity	Fluorescence

Parameter	Avg	Min	Max	Dev	Cut	Sym
Diameter, mm	5.287	5.277	5.296	0.36%	Very good	EX
Crown angle, °	34.02	33.45	34.23	0.78	Very good	EX
Pavilion angle, °	40.56	40.44	40.66	0.21	Very good	EX
Total height, %	60.97				Very good	-
Crown height, %	15.38	15.06	15.68	0.62	Very good	EX
Pavilion depth, %	42.46	41.89	42.83	0.94	N/A	EX
Table, %	54.40	53.99	54.72	0.73	Very good	EX
Culet, %	2.44	2.09	2.90	0.81	Good	EX
Girdle Bezel, %	3.11	2.78	3.35	0.57	Very good	EX
Girdle Bone, %	3.33	2.98	3.76	0.78	-	EX
Girdle Valley, %	1.68	1.26	1.99	0.74	N/A	EX
Star: Upper ratio, %	49.52: 50.48	47.88: 52.12	50.88: 49.12	3.00	-	-
Star angle, °	21.96	21.31	22.26	0.95	-	EX
Upper girdle angle, °	39.50	38.20	40.74	2.54	-	GD
Lower girdle angle / Halves angle, °	41.69	41.50	42.35	0.85	-	EX
Twist, °	0.71	0.05	1.73	1.68	-	EX
Crown height, mm	0.813	0.796	0.829	0.033	-	-
Pavilion depth, mm	2.245	2.215	2.264	0.050	-	-
Table, mm	2.876	2.854	2.893	0.039	-	-
Culet, mm	0.129	0.110	0.153	0.043	-	-
Girdle Bezel, mm	0.164	0.147	0.177	0.030	-	-
Girdle Bone, mm	0.176	0.157	0.199	0.041	-	-
Girdle Valley, mm	0.089	0.066	0.105	0.039	-	-

Measurement as per OctoNus theory:

Crown angle, °	34.02	33.75	34.18	0.43	-	-
Pavilion angle, °	40.56	40.49	40.60	0.11	-	-
Fish eye effect, °			8.74		Very good	-
Culet through Crown Bezel, °			9.19		Very good	-

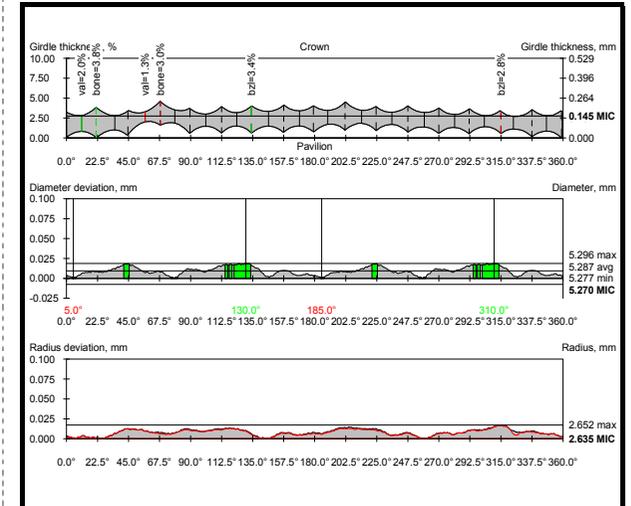
Azimuths deviation from ideal	1	2	3	4	5	6	7	8
Pavilion, °	0.00	0.44	0.06	0.70	0.13	-0.25	-0.84	-0.82
Lower girdle facets / Pavilion Halves, °	-0.41	-0.45	3.96	-3.80	-0.32	-0.20	-0.33	-0.21
Crown, °	0.33	-0.62	0.11	1.07	-0.50	0.57	-0.17	0.91
Upper girdle facets, °	-2.71	0.21	-3.87	3.01	-1.23	-0.43	-0.78	-0.05
Star facets, °	-2.55	1.78	-0.31	1.10	0.08	0.05	-0.19	0.20



Offset by table axis		
Girdle-Culet	0.73 ± 0.24, %	0.039 ± 0.013, mm
Girdle-Table	0.42 ± 0.21, %	0.022 ± 0.011, mm
Table-Culet	0.63 ± 0.25, %	0.033 ± 0.013, mm

1	2	3	4	5	6	7	8
5.281	5.295	5.288	5.293				
34.05	34.12	34.14	33.45	34.06	34.08	34.23	34.05
40.44	40.53	40.55	40.55	40.55	40.64	40.60	40.66
15.68	15.64	15.41	15.09	15.06	15.16	15.35	15.67
41.89	42.30	42.49	42.54	42.68	42.83	42.51	42.45
54.22	54.72	54.66	53.99				
3.32	2.97	3.07	3.35	3.24	2.98	3.15	2.78
3.76	2.98	3.29	3.39	3.49	3.27	3.10	3.36
1.99	1.77	1.26	1.66	1.53	1.67	1.84	1.89
1.73	1.64	1.53	1.82	1.65	1.37	1.57	1.93
47.88: 52.12	48.63: 51.37	50.26: 49.74	50.29: 49.71	49.93: 50.07	48.73: 51.27	50.88: 49.12	49.51: 50.49
22.10	21.68	21.31	22.03	22.16	22.04	22.26	22.09
38.68	39.37	38.20	38.21	40.00	39.97	39.07	39.53
39.25	39.27	39.98	39.72	40.55	40.74	39.88	39.63
41.52	41.54	42.35	42.19	41.63	41.55	41.59	41.54
41.66	41.69	41.69	41.62	41.63	41.76	41.63	41.50
0.33	1.07	0.05	0.37	0.63	0.82	0.66	1.73
0.829	0.827	0.815	0.798	0.796	0.802	0.811	0.828
2.215	2.236	2.246	2.249	2.256	2.264	2.247	2.244
2.867	2.893	2.890	2.854				
0.175	0.157	0.162	0.177	0.171	0.157	0.167	0.147
0.199	0.157	0.174	0.179	0.184	0.173	0.164	0.178
0.105	0.094	0.066	0.088	0.081	0.089	0.097	0.100
0.092	0.087	0.081	0.096	0.087	0.072	0.083	0.102

34.05	34.10	34.18	33.75				
40.49	40.58	40.57	40.60				
Extra Facet / Nat			No				
Girdle to MIC, mm			0.008				



Painting	Avg	Max	Type
Crown, °	-1.09	-3.25	Painting
Crown, notches	0.3, Very small	0.9	
Pavilion, °	0.45	3.86	
Pavilion, notches	0.1, Very small	1.0	Digging