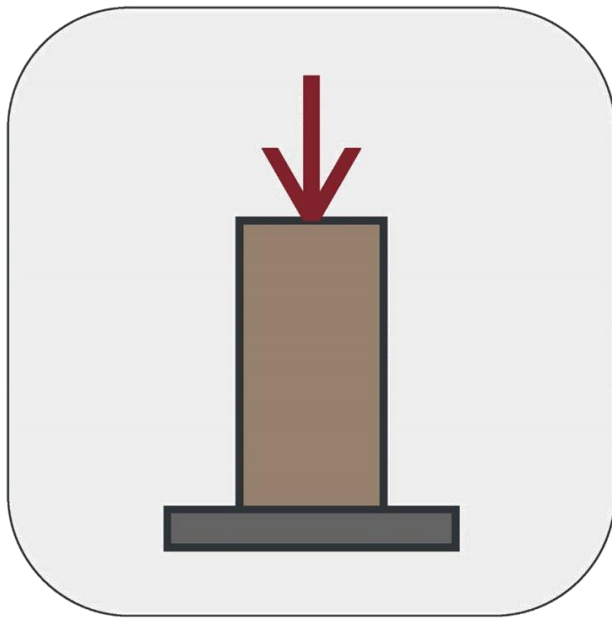


hoil Office



SO-Unconfined

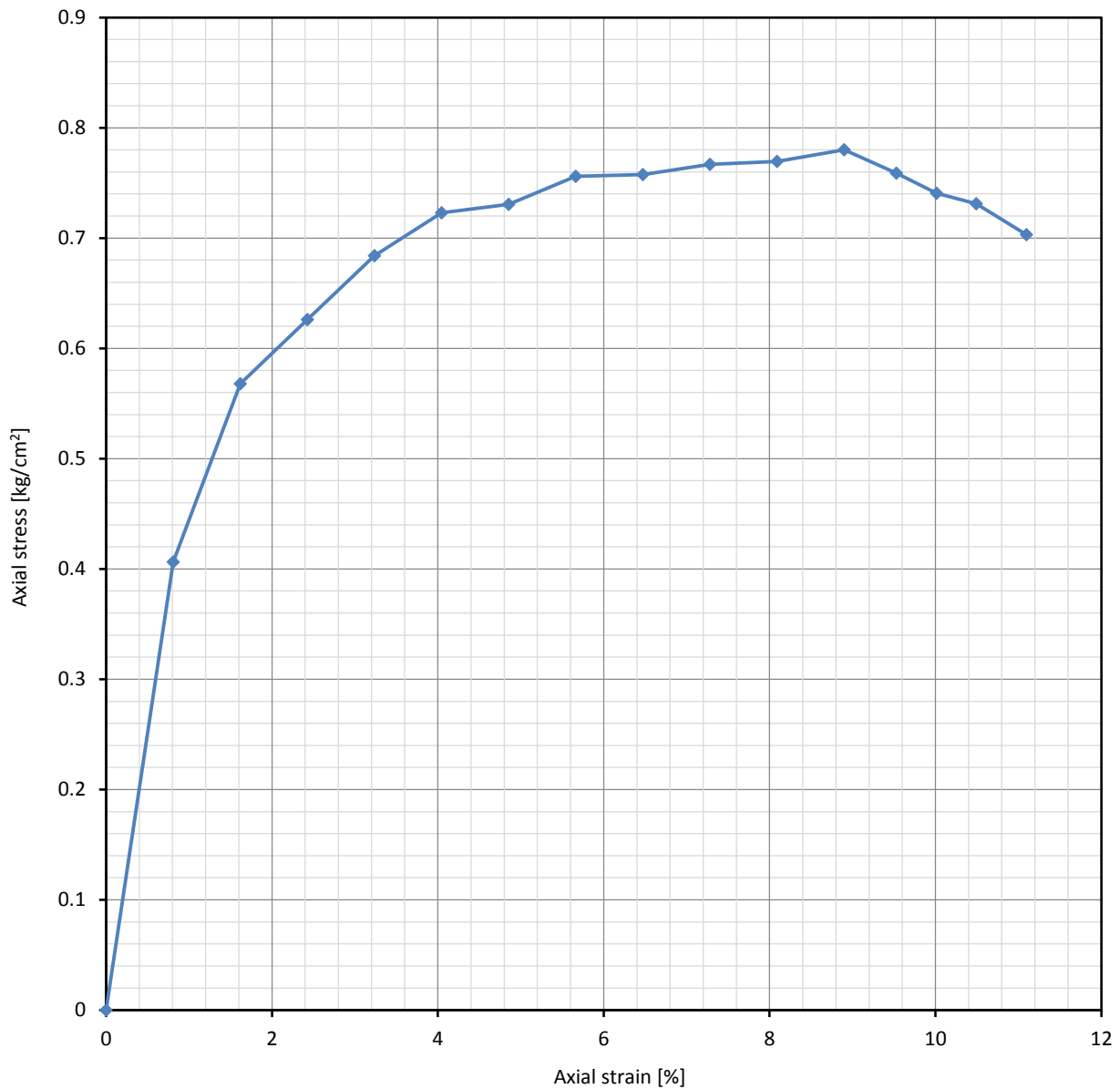
Output

Unconfined Compression Test

Project: Sample	BH/TP: BH-01
Client: Client	Depth: 1
Location: Location	USCS: CL
Code: Project code	Sample: Disturbed

D_0 [cm]	L_0 [cm]	L_0/D_0
3.81	7.92	2.08

γ_d [g/cm ³]	w [%]	G_s [-]	S [%]
1.58	10.5	2.72	39.8



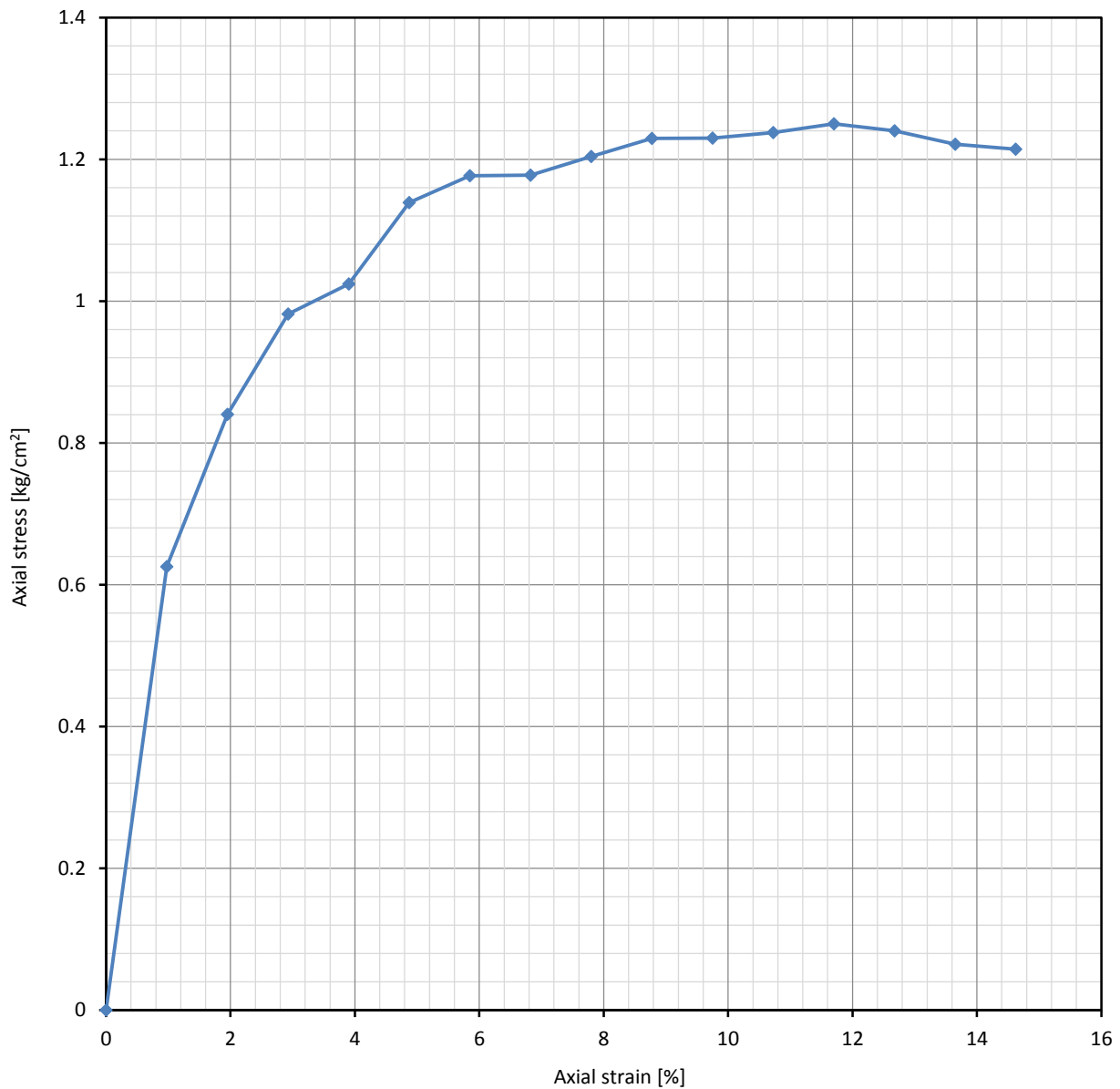
Strain rate [%/min]	Failure strain [%]	q_u [kg/cm ²]	c_u [kg/cm ²]
0.61	8.90	0.78	0.390

Unconfined Compression Test

Project: Sample	BH/TP: BH-01
Client: Client	Depth: 2
Location: Location	USCS: CH
Code: Project code	Sample: Remolded

D ₀ [cm]	L ₀ [cm]	L ₀ /D ₀
3.81	9.18	2.41

γ_d [g/cm ³]	w [%]	G _s [-]	S [%]
1.61	12.2	2.75	47.6



Strain rate [mm/min]	Failure strain [%]	q _u [kg/cm ²]	c _u [kg/cm ²]
1.17	11.70	1.25	0.625

Test data

Unconfined compression - Test Data

Project: Sample	BH/TP: BH-01
Client: Client	Depth: 4
Location: Location	USCS: CL
Code: Project code	Sample: Remolded

D ₀ [cm]	L ₀ [cm]	L ₀ /D ₀	γ _d [g/cm ³]	w [%]	G _s [-]	S [%]
3.63	9.07	2.50	1.67	13.1	2.72	56.8

Strain rate: 0.84 [%/min]
 0.76 [mm/min]

Load:
 Ring factor :
 Force
 Stress

Gauge factor, 1 div. : -

No.	Elapsed time [min]	Axial			Corrected area [cm ²]	Axial		
		Deformation reading	Deformation [mm]	Strain [%]		Load reading	Load [kg]	Stress [kg/cm ²]
1	0.00	-	0.00	0.00	10.35	-	0.00	0.00
2	0.31	-	0.24	0.26	10.38	-	6.78	0.65
3	0.62	-	0.47	0.52	10.40	-	14.88	1.43
4	0.93	-	0.71	0.78	10.43	-	21.00	2.01
5	1.24	-	0.94	1.04	10.46	-	23.86	2.28
6	1.54	-	1.18	1.30	10.49	-	25.95	2.48
7	1.85	-	1.41	1.56	10.51	-	28.00	2.66
8	2.16	-	1.65	1.82	10.54	-	29.67	2.82
9	2.47	-	1.88	2.08	10.57	-	30.53	2.89
10	2.78	-	2.12	2.34	10.60	-	32.10	3.03
11	3.09	-	2.35	2.60	10.62	-	33.10	3.12
12	3.40	-	2.59	2.85	10.65	-	34.09	3.20
13	3.71	-	2.82	3.11	10.68	-	34.84	3.26
14	4.02	-	3.06	3.37	10.71	-	36.49	3.41
15	4.33	-	3.30	3.63	10.74	-	38.29	3.57
16	4.63	-	3.53	3.89	10.77	-	39.62	3.68
17	4.94	-	3.77	4.15	10.80	-	41.02	3.80
18	5.25	-	4.00	4.41	10.83	-	41.99	3.88
19	5.56	-	4.24	4.67	10.86	-	43.08	3.97
20	5.87	-	4.47	4.93	10.89	-	43.49	3.99
21	6.18	-	4.71	5.19	10.92	-	43.98	4.03
22	6.49	-	4.94	5.45	10.95	-	44.55	4.07
23	6.80	-	5.18	5.71	10.98	-	45.11	4.11
24	7.11	-	5.41	5.97	11.01	-	45.64	4.15
25	7.41	-	5.65	6.23	11.04	-	46.17	4.18
26	7.72	-	5.88	6.49	11.07	-	47.54	4.30
27	8.03	-	6.12	6.75	11.10	-	48.82	4.40
28	8.34	-	6.36	7.01	11.13	-	50.49	4.54
29	8.65	-	6.59	7.27	11.16	-	51.58	4.62
30	8.96	-	6.83	7.53	11.19	-	53.06	4.74
31	9.27	-	7.06	7.79	11.22	-	54.17	4.83

Unconfined compression - Test Data

Project: Sample	BH/TP: BH-01
Client: Client	Depth: 5
Location: Location	USCS: CH
Code: Project code	Sample: Rock core

D ₀ [cm]	L ₀ [cm]	L ₀ /D ₀	γ _d [g/cm ³]	w [%]	G _s [-]	S [%]
3.63	8.17	2.25	1.73	15.3	2.75	71.9

Strain rate: • 1.62 [%/min]
 ○ 1.32 [mm/min]

Gauge factor, 1 div. : 0.01 [mm]

Load:
 ○ Ring factor :
 ○ Force
 • Stress

No.	Elapsed time [min]	Axial			Corrected area [cm ²]	Axial		
		Deformation reading	Deformation [mm]	Strain [%]		Load reading	Load [kg]	Stress [kg/cm ²]
1	0.00	0.0	0.00	0.00	-	-	-	0.00
2	0.24	31.2	0.31	0.38	-	-	-	1.00
3	0.47	62.4	0.62	0.76	-	-	-	1.67
4	0.71	93.6	0.94	1.15	-	-	-	2.45
5	0.94	124.9	1.25	1.53	-	-	-	2.69
6	1.18	156.1	1.56	1.91	-	-	-	2.85
7	1.42	187.3	1.87	2.29	-	-	-	3.05
8	1.65	218.5	2.18	2.67	-	-	-	3.25
9	1.89	249.7	2.50	3.06	-	-	-	3.42
10	2.12	280.9	2.81	3.44	-	-	-	3.59
11	2.36	312.1	3.12	3.82	-	-	-	3.76
12	2.59	343.3	3.43	4.20	-	-	-	4.03
13	2.83	374.6	3.75	4.58	-	-	-	4.21
14	3.07	405.8	4.06	4.97	-	-	-	4.24
15	3.30	437.0	4.37	5.35	-	-	-	4.28
16	3.54	468.2	4.68	5.73	-	-	-	4.31
17	3.77	499.4	4.99	6.11	-	-	-	4.37
18	4.01	530.6	5.31	6.49	-	-	-	4.44
19	4.25	561.8	5.62	6.88	-	-	-	4.48
20	4.48	593.1	5.93	7.26	-	-	-	4.53
21	4.72	624.3	6.24	7.64	-	-	-	4.59
22	4.95	655.5	6.55	8.02	-	-	-	4.65
23	5.19	686.7	6.87	8.41	-	-	-	4.64
24	5.42	717.9	7.18	8.79	-	-	-	4.64
25	5.66	749.1	7.49	9.17	-	-	-	4.63
26	5.90	780.3	7.80	9.55	-	-	-	4.78
27	6.13	811.6	8.12	9.93	-	-	-	4.88
28	6.37	842.8	8.43	10.32	-	-	-	5.00
29	6.60	874.0	8.74	10.70	-	-	-	4.99
30	6.84	905.2	9.05	11.08	-	-	-	4.97
31	7.08	936.4	9.36	11.46	-	-	-	4.95

