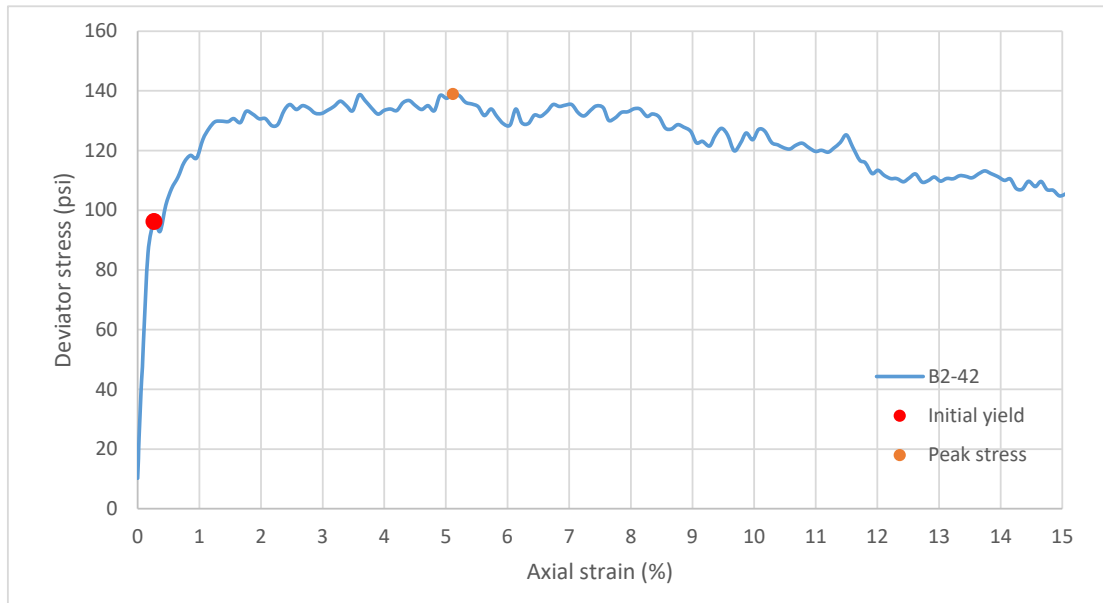


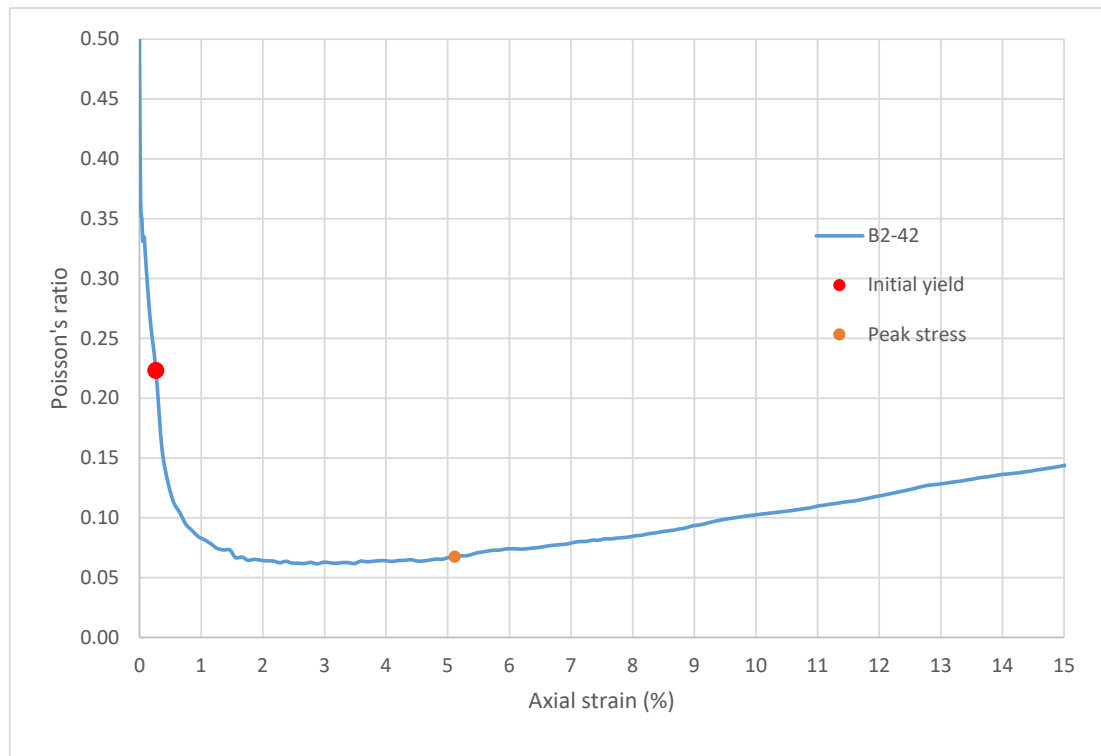
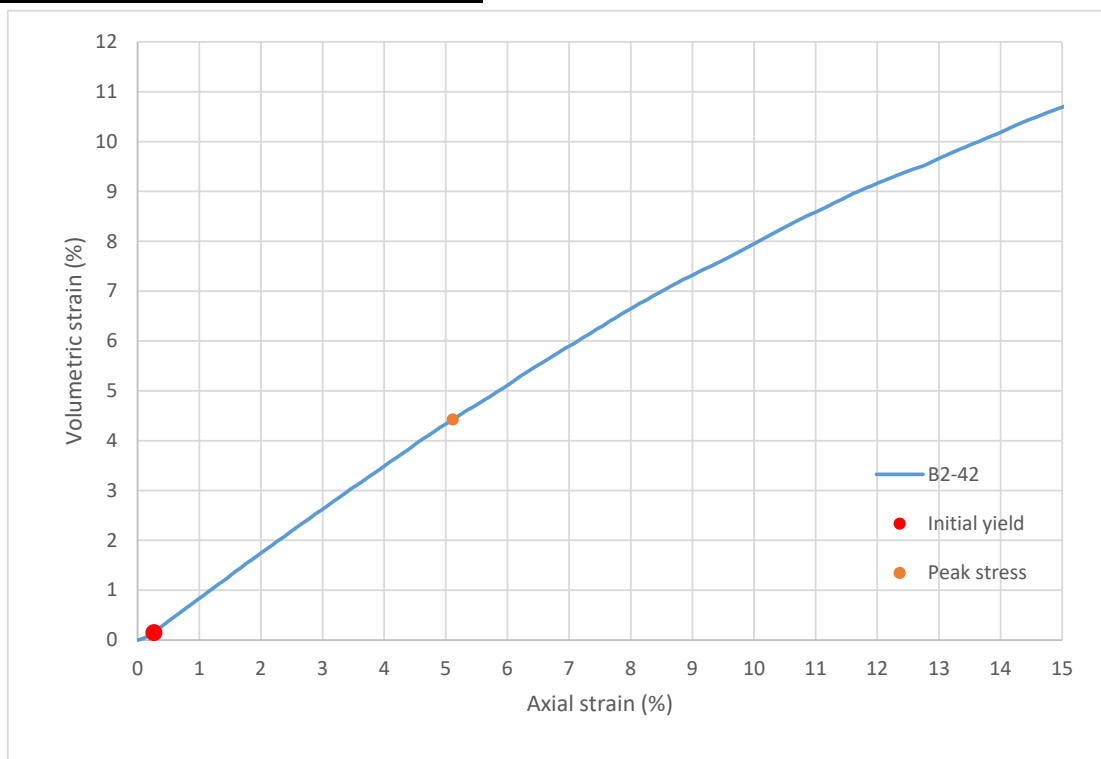
Consolidated-Drained Triaxial Shear, Lightweight Cellular Concrete

Sample ID:	B2-42
Height (in):	5.663
Height (mm):	143.8
Diameter (in):	2.962
Diameter (mm):	75.23
Area (in ²):	6.890
Area (mm ²):	4445
Mass (g):	216.40
Weight (lb):	0.4771
Weight (kN):	0.002122
Volume (in ³):	39.01
Volume (mm ³):	639318
Density (g/mm ³):	0.0003385
Density (kg/m ³):	338.5
Unit weight (pcf):	21.13
Dry unit weight (pcf):	19.08
Unit Weight (kN/m ³):	3.319
Wet mass + tare (g):	316.06
Dry mass + tare (g):	297.12
Tare (g):	121.28
Water content (%):	10.77
Saturation (%):	3.72
H:D ratio:	1.912
Age (days):	1052
Treatment:	AD

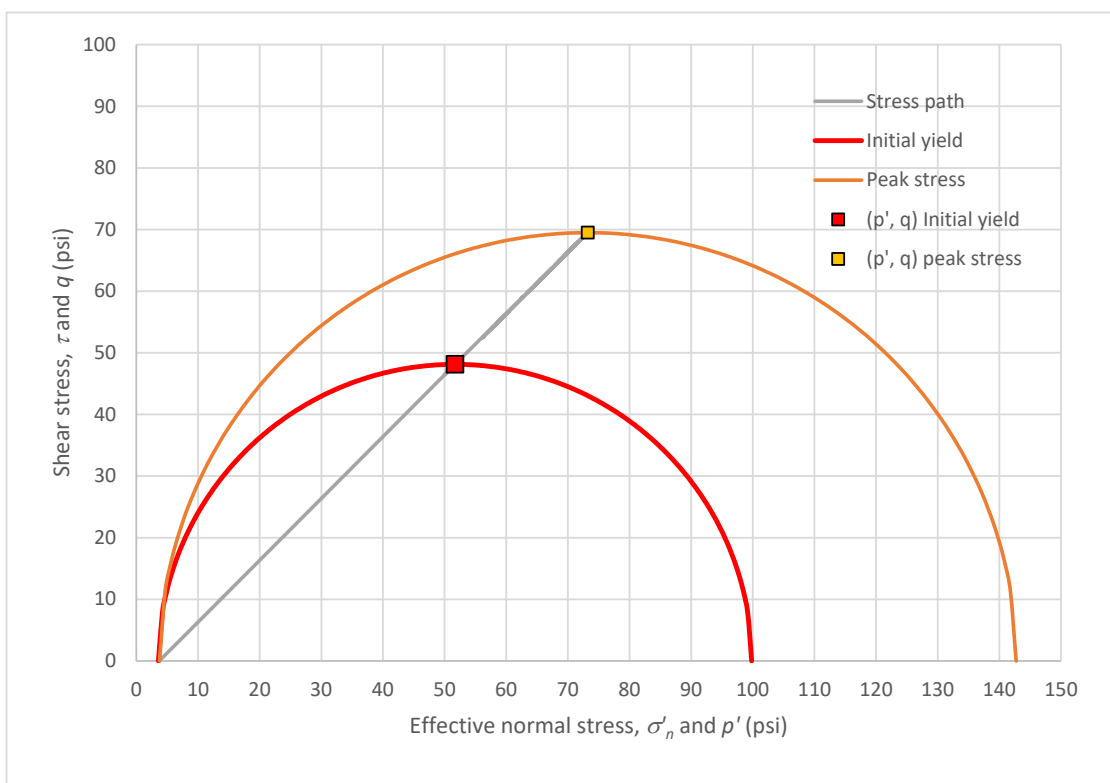
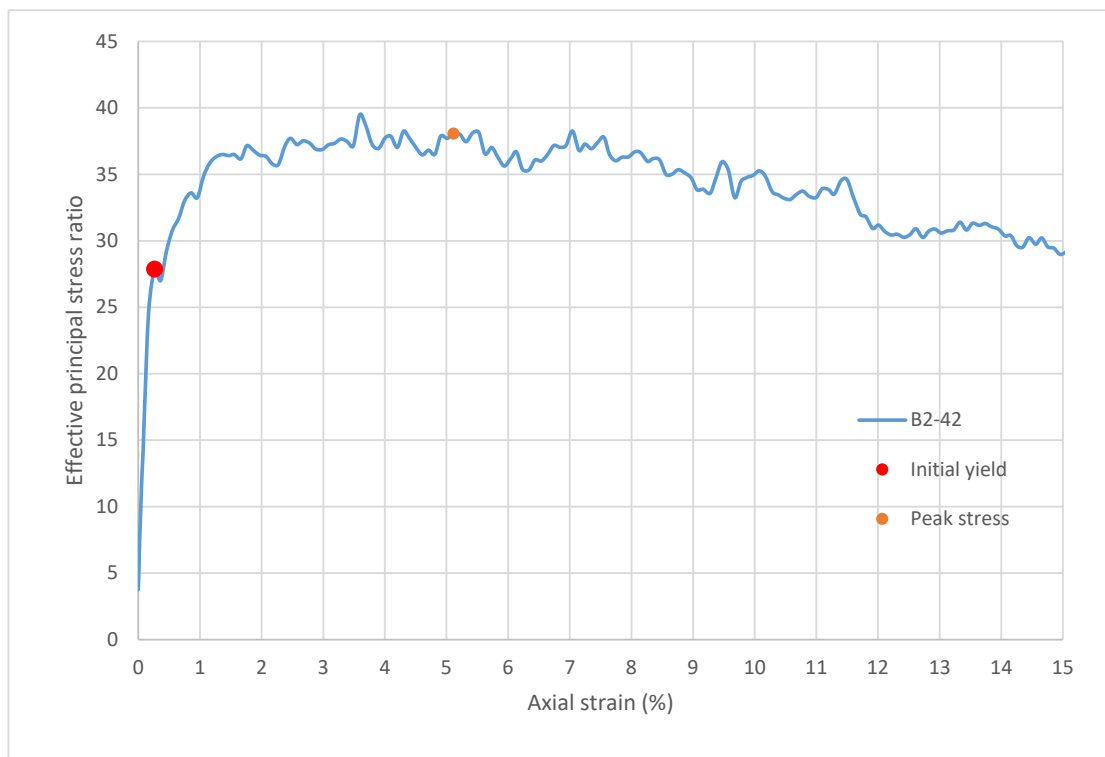
Strain rate (%/min):	0.2
Mean σ'_3 (psi):	3.7
Initial modulus (psi):	36132
Initial yield	
Time to failure (min):	1.3
Axial strain at failure (%):	0.266
σ'_1 (psi):	99.82
σ'_3 (psi):	3.58
$\sigma'_1 - \sigma'_3$ (psi):	96.24
σ'_1 / σ'_3 :	27.87
p' (psi):	51.70
q (psi):	48.12
Volumetric strain (%):	0.147
Poisson's ratio:	0.223
Peak stress	
Time to failure (min):	25.6
Axial strain at failure (%):	5.115
σ'_1 (psi):	142.73
σ'_3 (psi):	3.75
$\sigma'_1 - \sigma'_3$ (psi):	138.98
σ'_1 / σ'_3 :	38.06
p' (psi):	73.24
q (psi):	69.49
Volumetric strain (%):	4.424
Poisson's ratio:	0.068



Sample ID: B2-42



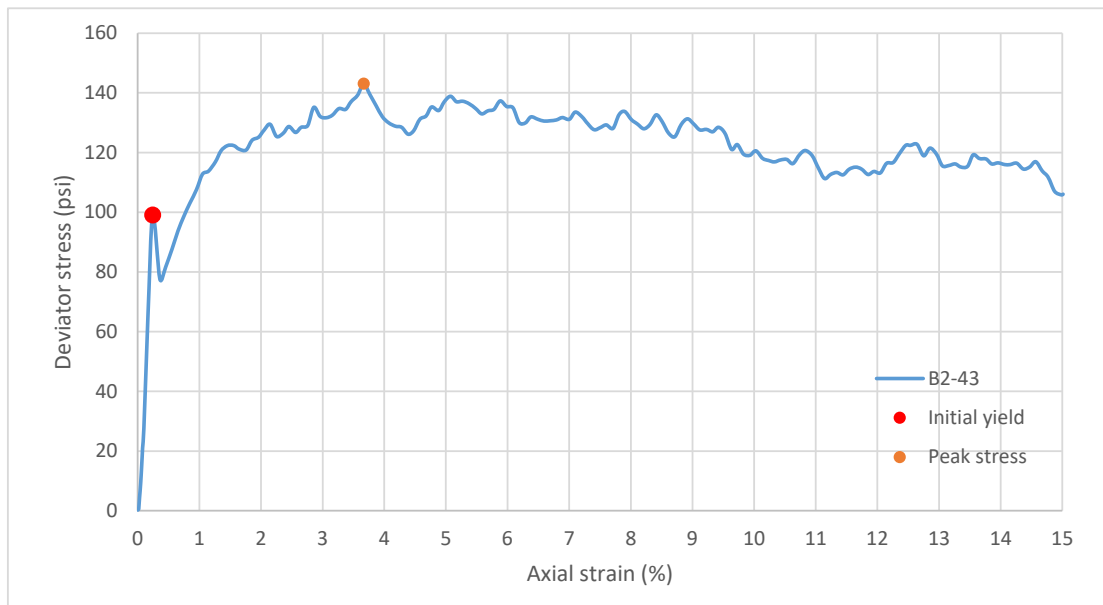
Sample ID: B2-42



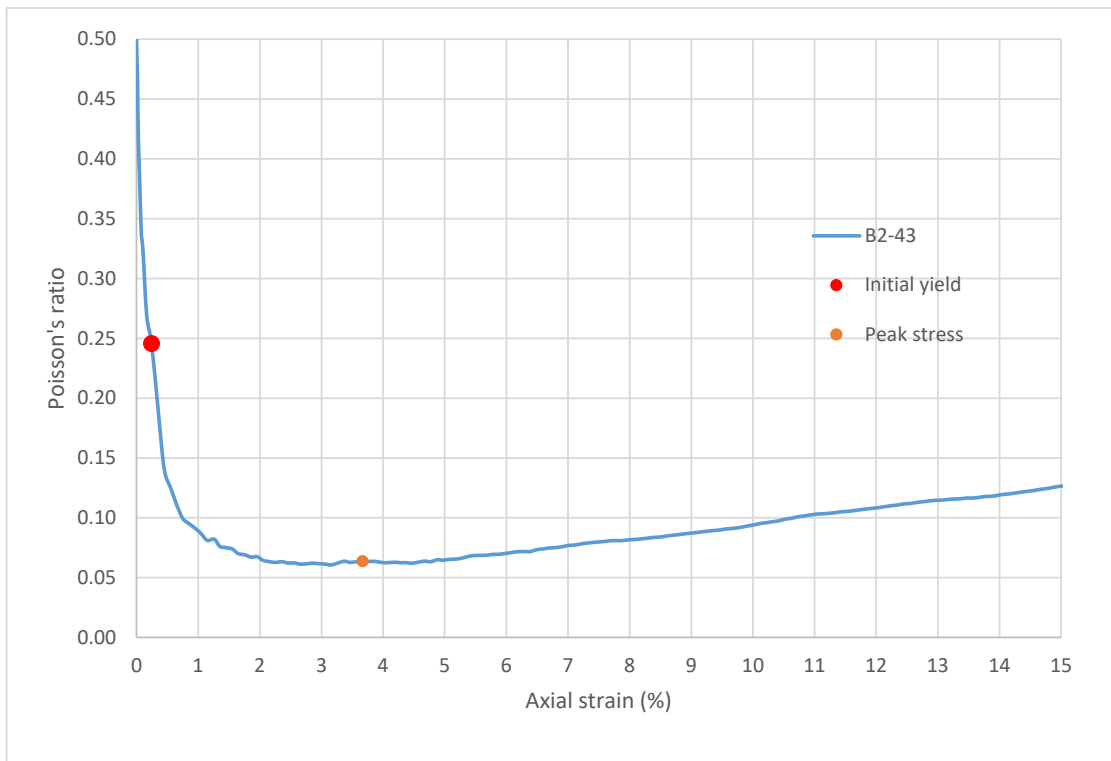
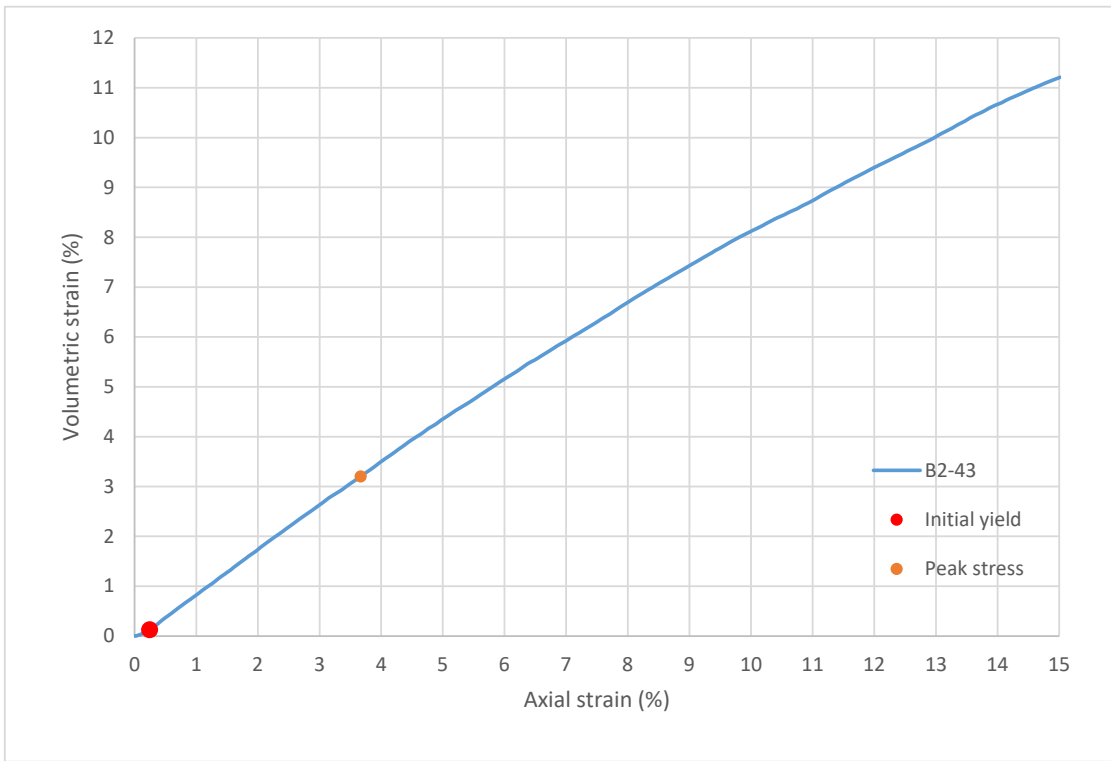
Consolidated-Drained Triaxial Shear, Lightweight Cellular Concrete

Sample ID:	B2-43
Height (in):	5.637
Height (mm):	143.2
Diameter (in):	2.952
Diameter (mm):	74.98
Area (in ²):	6.844
Area (mm ²):	4415
Mass (g):	215.17
Weight (lb):	0.4744
Weight (kN):	0.002110
Volume (in ³):	38.58
Volume (mm ³):	632140
Density (g/mm ³):	0.0003404
Density (kg/m ³):	340.4
Unit weight (pcf):	21.25
Dry unit weight (pcf):	19.29
Unit Weight (kN/m ³):	3.338
Wet mass + tare (g):	324.56
Dry mass + tare (g):	306.31
Tare (g):	126.20
Water content (%):	10.13
Saturation (%):	3.54
H:D ratio:	1.910
Age (days):	1052
Treatment:	AD

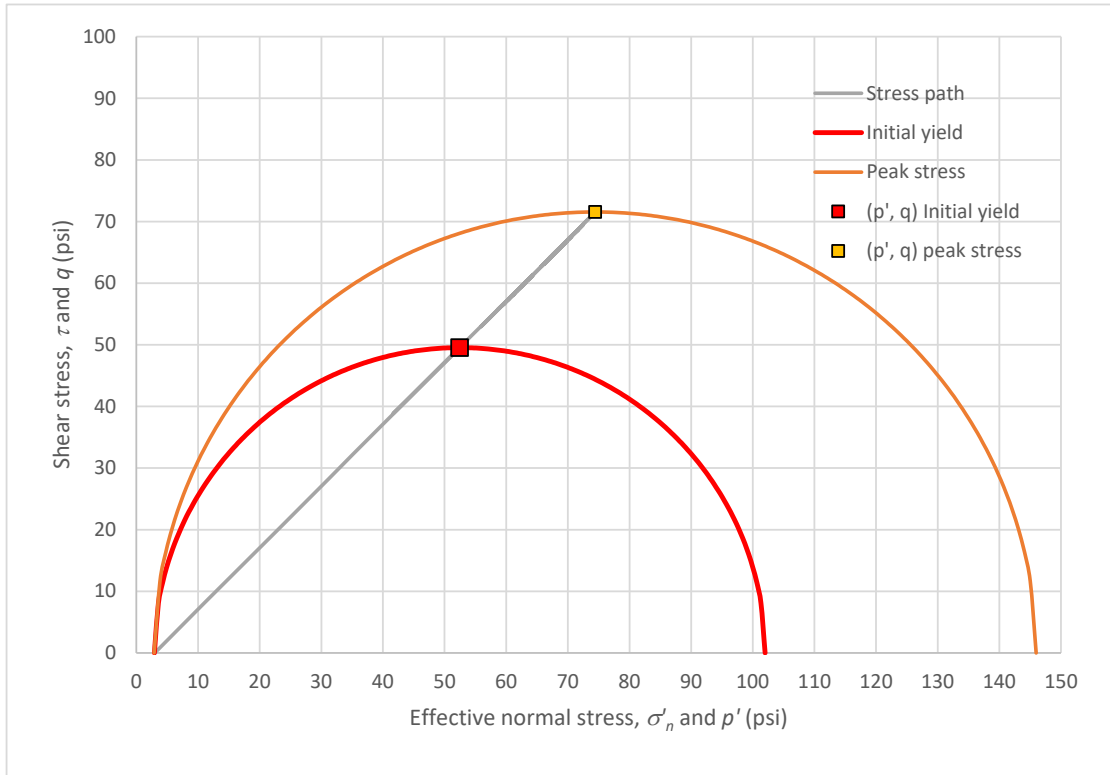
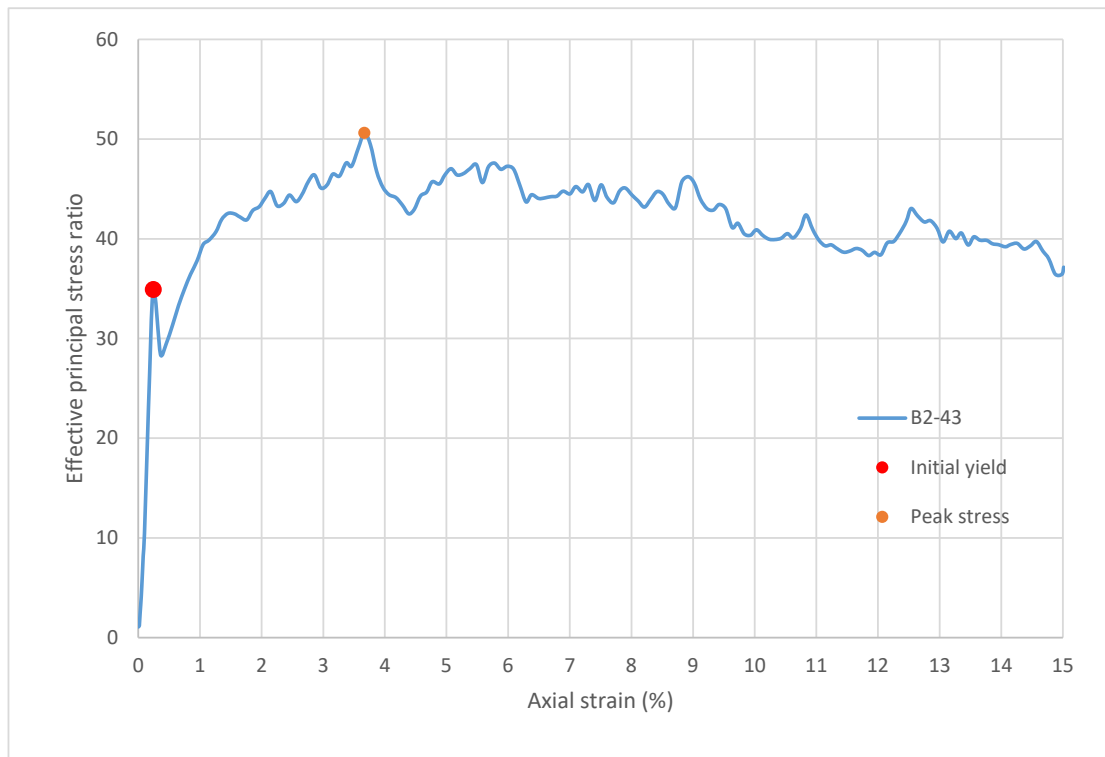
Strain rate (%/min):	0.2
Mean σ'_3 (psi):	3.0
Initial modulus (psi):	40616
Initial yield	
Time to failure (min):	1.2
Axial strain at failure (%):	0.244
σ'_1 (psi):	101.99
σ'_3 (psi):	2.92
$\sigma'_1 - \sigma'_3$ (psi):	99.07
σ'_1 / σ'_3 :	34.91
p' (psi):	52.46
q (psi):	49.54
Volumetric strain (%):	0.124
Poisson's ratio:	0.246
Peak stress	
Time to failure (min):	18.3
Axial strain at failure (%):	3.667
σ'_1 (psi):	145.97
σ'_3 (psi):	2.88
$\sigma'_1 - \sigma'_3$ (psi):	143.09
σ'_1 / σ'_3 :	50.61
p' (psi):	74.43
q (psi):	71.54
Volumetric strain (%):	3.200
Poisson's ratio:	0.064



Sample ID: **B2-43**



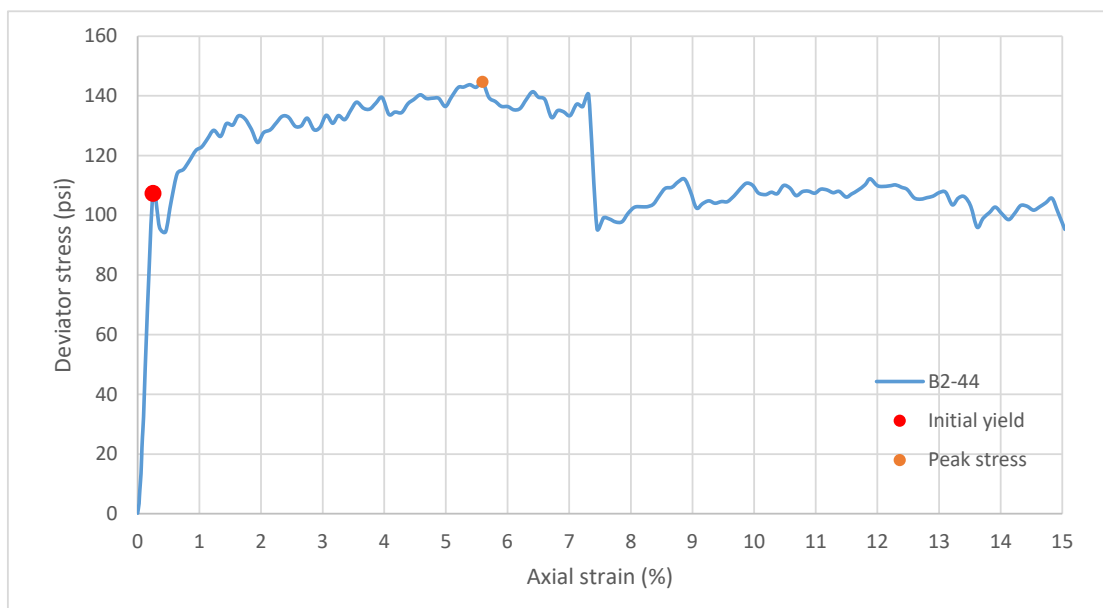
Sample ID: B2-43

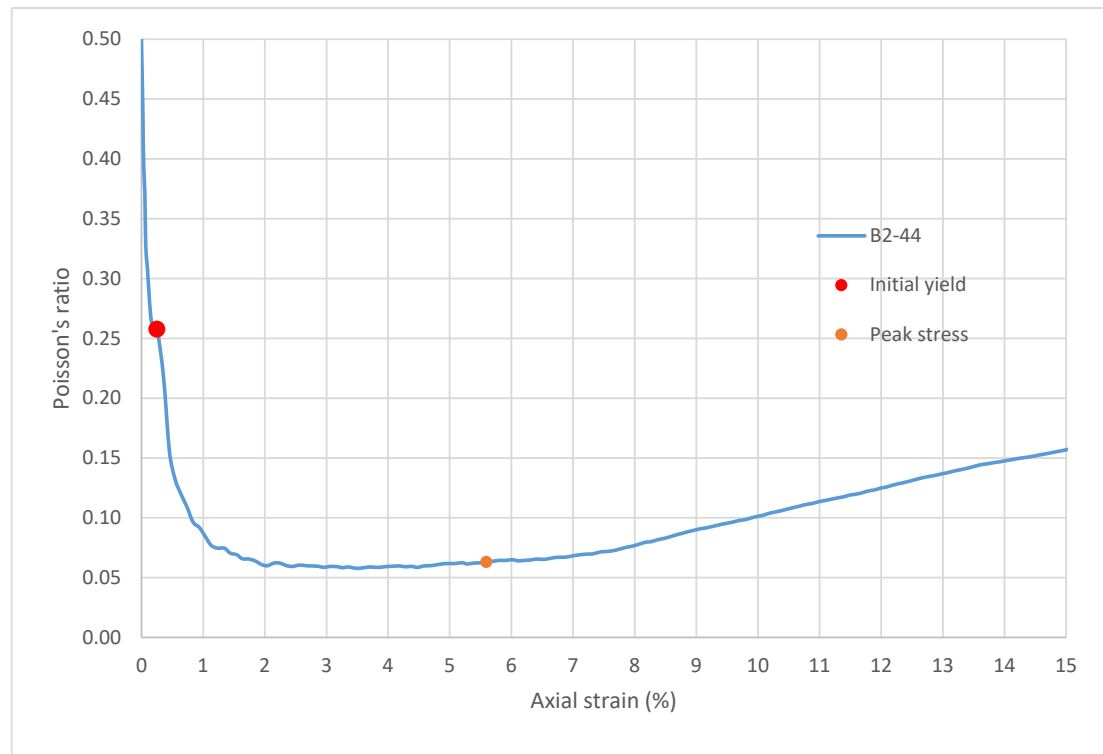
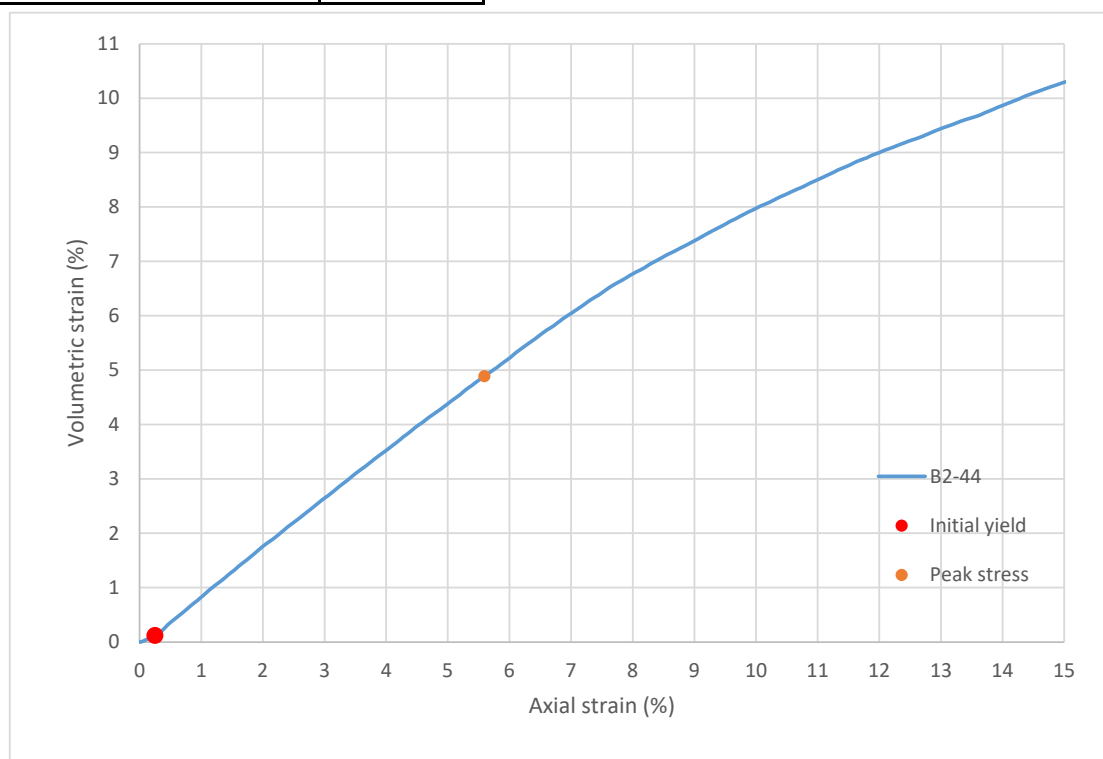


Consolidated-Drained Triaxial Shear, Lightweight Cellular Concrete

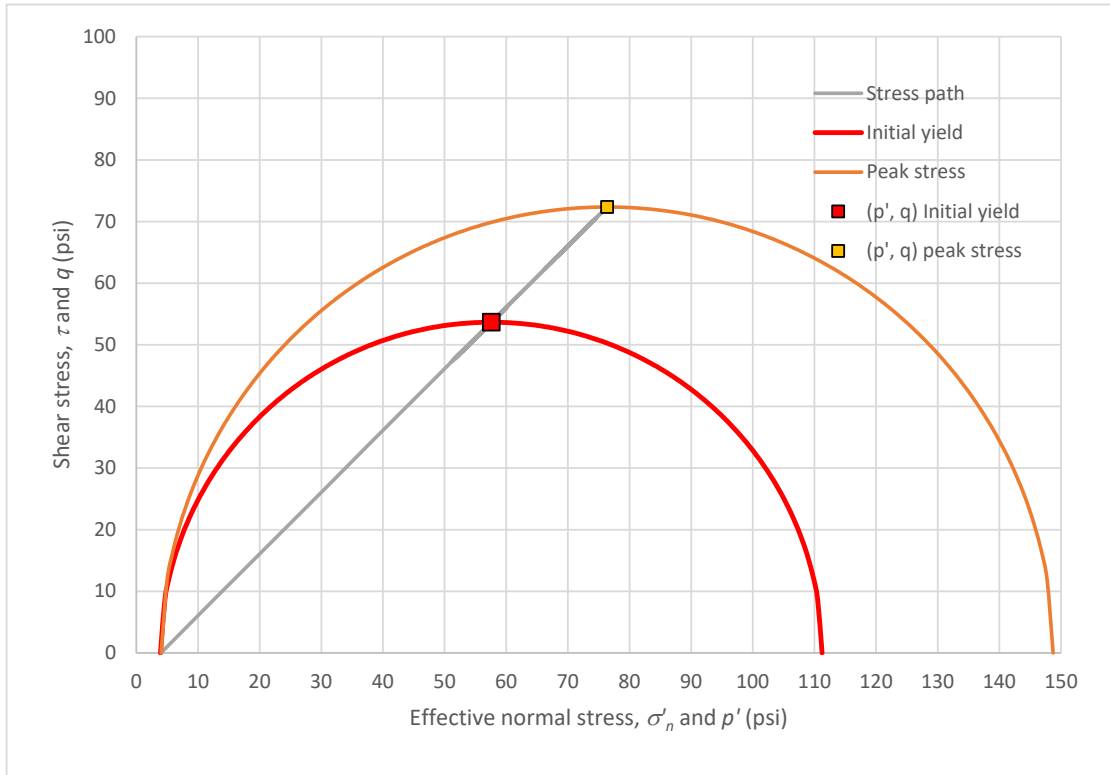
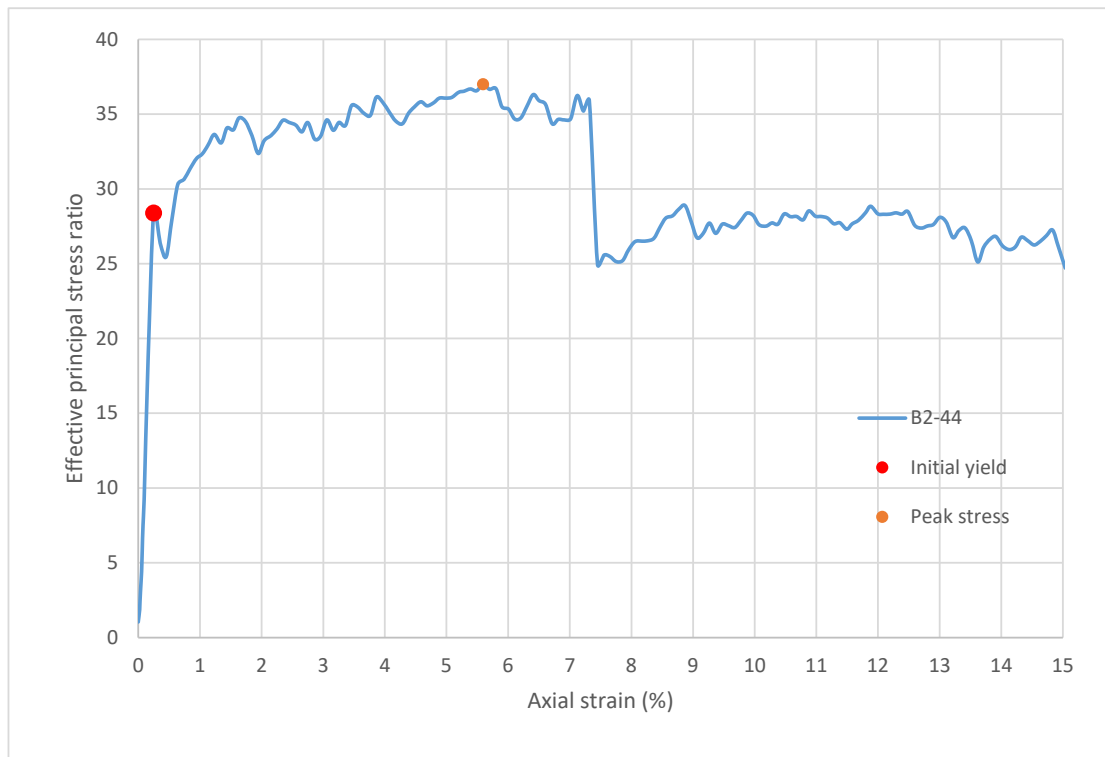
Sample ID:	B2-44
Height (in):	5.538
Height (mm):	140.7
Diameter (in):	2.959
Diameter (mm):	75.17
Area (in ²):	6.879
Area (mm ²):	4438
Mass (g):	209.38
Weight (lb):	0.4616
Weight (kN):	0.002053
Volume (in ³):	38.09
Volume (mm ³):	624221
Density (g/mm ³):	0.0003354
Density (kg/m ³):	335.4
Unit weight (pcf):	20.94
Dry unit weight (pcf):	19.03
Unit Weight (kN/m ³):	3.289
Wet mass + tare (g):	326.68
Dry mass + tare (g):	308.23
Tare (g):	124.51
Water content (%):	10.04
Saturation (%):	3.46
H:D ratio:	1.871
Age (days):	1053
Treatment:	AD

Strain rate (%/min):	0.2
Mean σ'_3 (psi):	4.0
Initial modulus (psi):	42805
Initial yield	
Time to failure (min):	1.3
Axial strain at failure (%):	0.251
σ'_1 (psi):	111.24
σ'_3 (psi):	3.92
$\sigma'_1 - \sigma'_3$ (psi):	107.32
σ'_1 / σ'_3 :	28.39
p' (psi):	57.58
q (psi):	53.66
Volumetric strain (%):	0.122
Poisson's ratio:	0.258
Peak stress	
Time to failure (min):	28.0
Axial strain at failure (%):	5.593
σ'_1 (psi):	148.72
σ'_3 (psi):	4.02
$\sigma'_1 - \sigma'_3$ (psi):	144.70
σ'_1 / σ'_3 :	37.00
p' (psi):	76.37
q (psi):	72.35
Volumetric strain (%):	4.887
Poisson's ratio:	0.063



Sample ID: **B2-44**

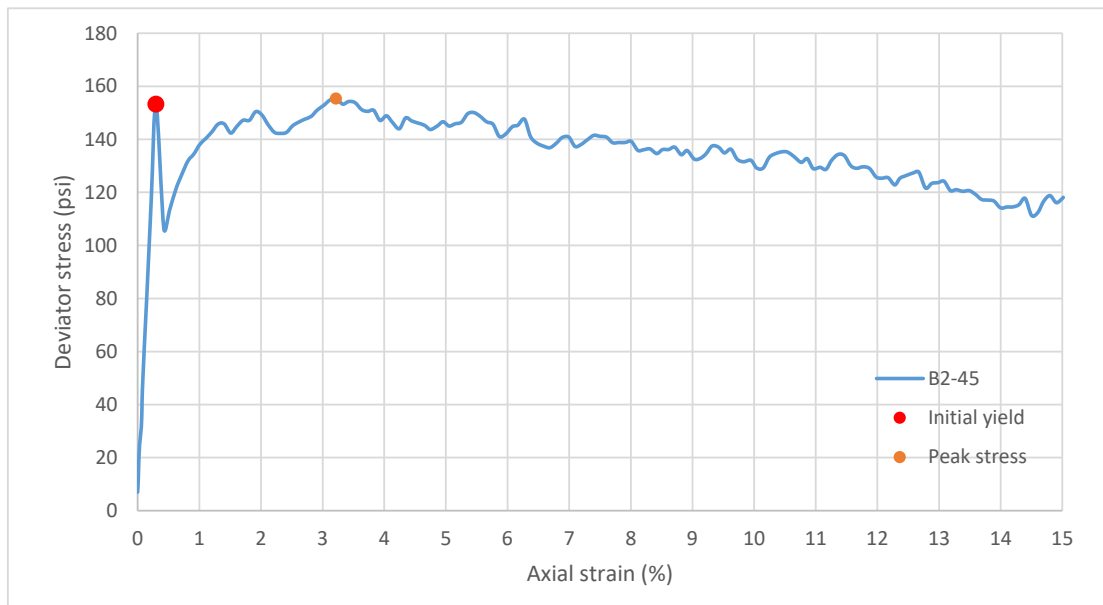
Sample ID: B2-44

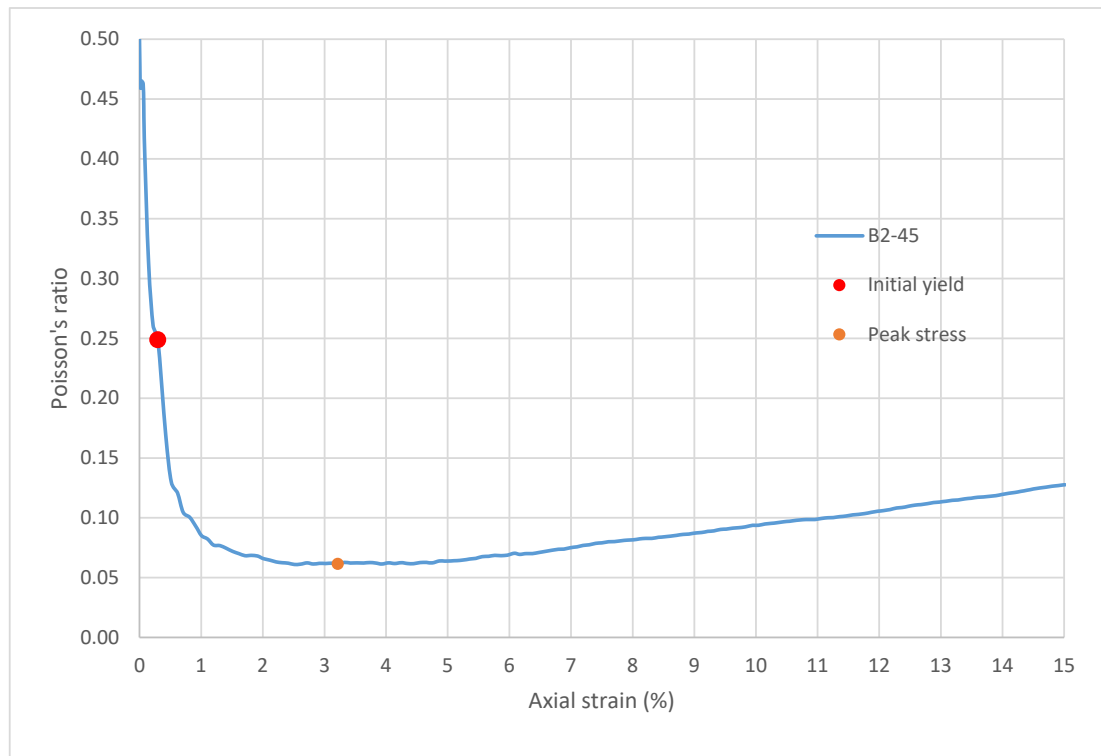
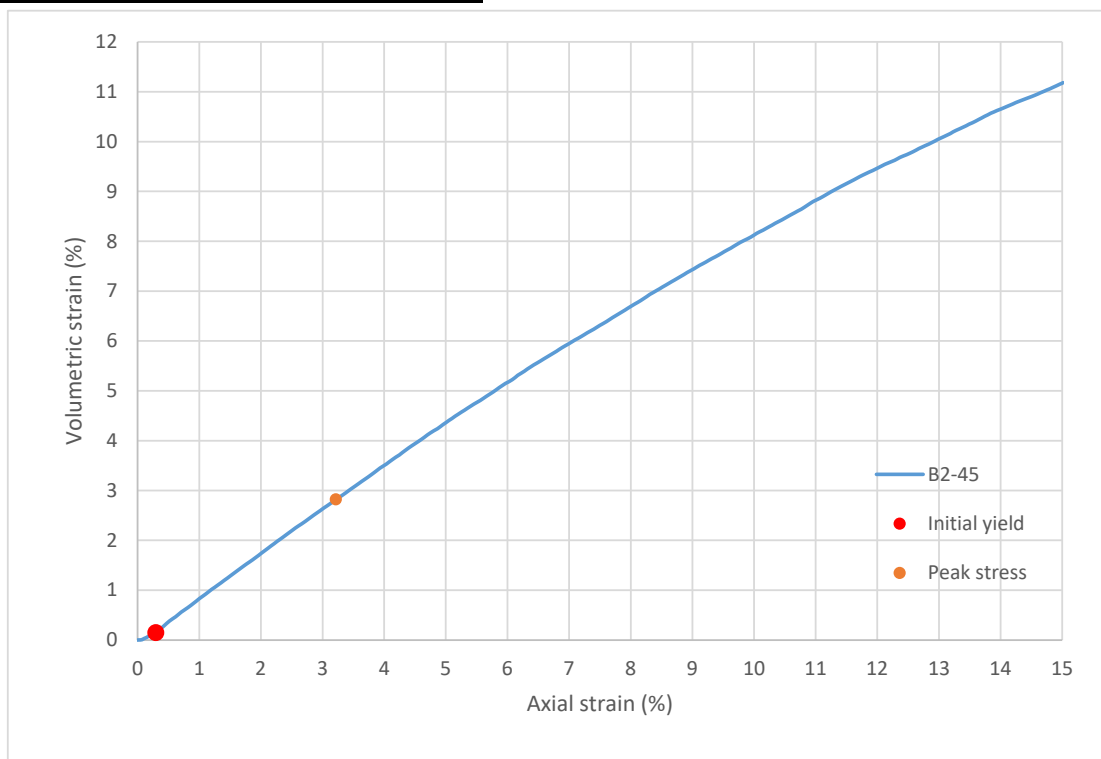


Consolidated-Drained Triaxial Shear, Lightweight Cellular Concrete

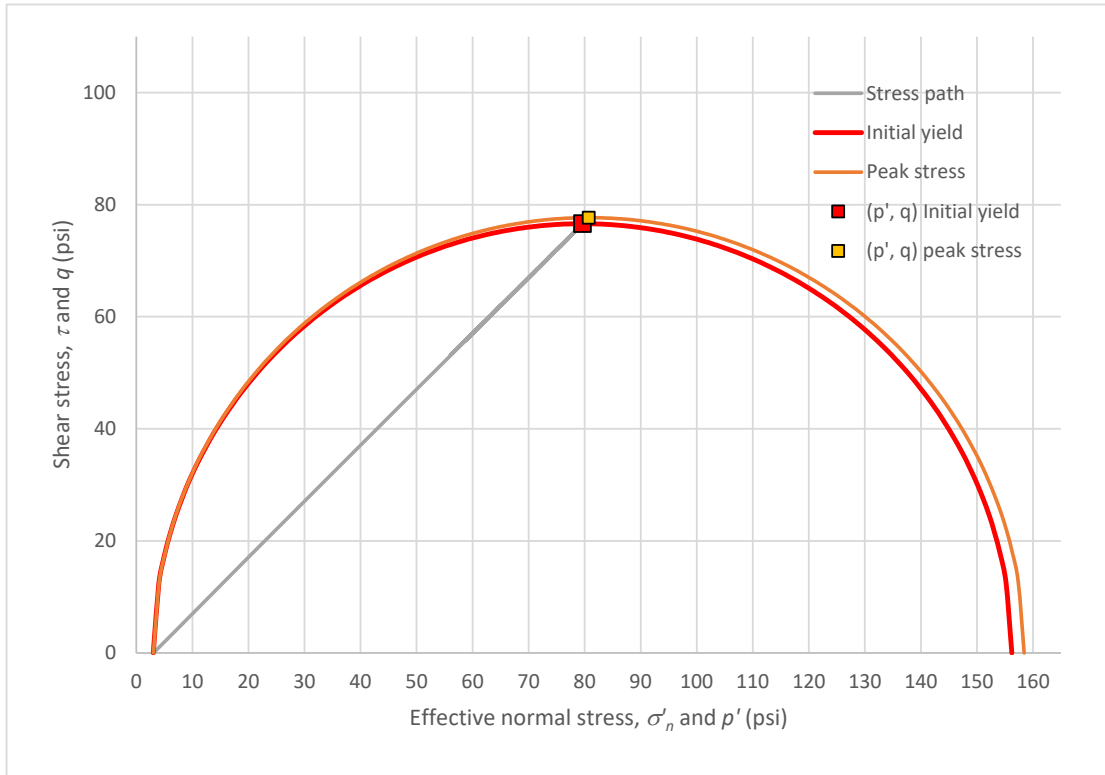
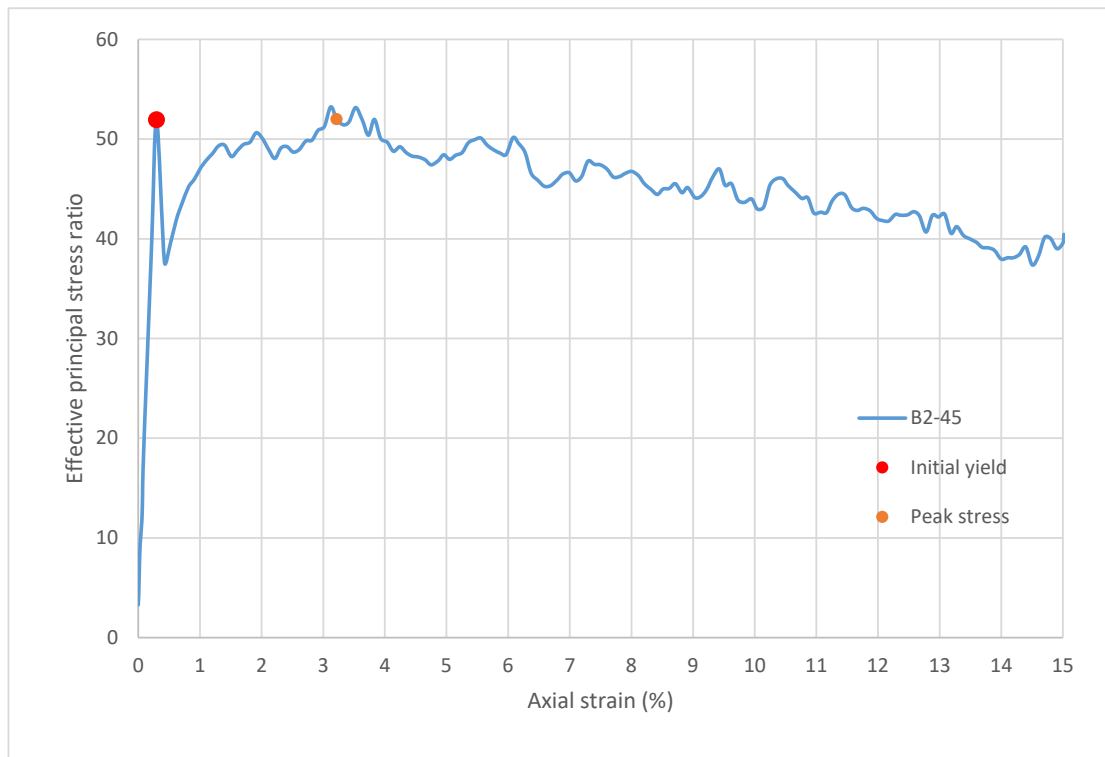
Sample ID:	B2-45
Height (in):	5.525
Height (mm):	140.3
Diameter (in):	2.962
Diameter (mm):	75.22
Area (in ²):	6.889
Area (mm ²):	4444
Mass (g):	209.68
Weight (lb):	0.4623
Weight (kN):	0.002056
Volume (in ³):	38.06
Volume (mm ³):	623644
Density (g/mm ³):	0.0003362
Density (kg/m ³):	336.2
Unit weight (pcf):	20.99
Dry unit weight (pcf):	19.08
Unit Weight (kN/m ³):	3.297
Wet mass + tare (g):	320.38
Dry mass + tare (g):	302.38
Tare (g):	122.22
Water content (%):	9.99
Saturation (%):	3.45
H:D ratio:	1.865
Age (days):	1053
Treatment:	AD

Strain rate (%/min):	0.2
Mean σ'_3 (psi):	3.0
Initial modulus (psi):	51660
Initial yield	
Time to failure (min):	1.5
Axial strain at failure (%):	0.297
σ'_1 (psi):	156.22
σ'_3 (psi):	3.01
$\sigma'_1 - \sigma'_3$ (psi):	153.21
σ'_1 / σ'_3 :	51.93
p' (psi):	79.62
q (psi):	76.61
Volumetric strain (%):	0.149
Poisson's ratio:	0.249
Peak stress	
Time to failure (min):	16.1
Axial strain at failure (%):	3.217
σ'_1 (psi):	158.42
σ'_3 (psi):	3.05
$\sigma'_1 - \sigma'_3$ (psi):	155.38
σ'_1 / σ'_3 :	52.01
p' (psi):	80.73
q (psi):	77.69
Volumetric strain (%):	2.821
Poisson's ratio:	0.062



Sample ID: **B2-45**

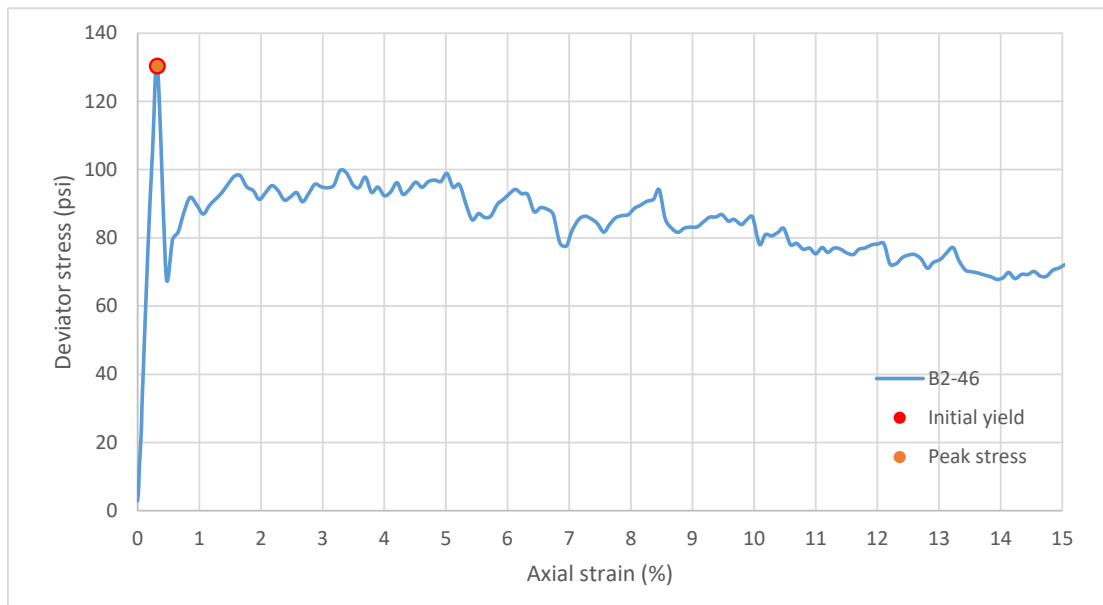
Sample ID: B2-45

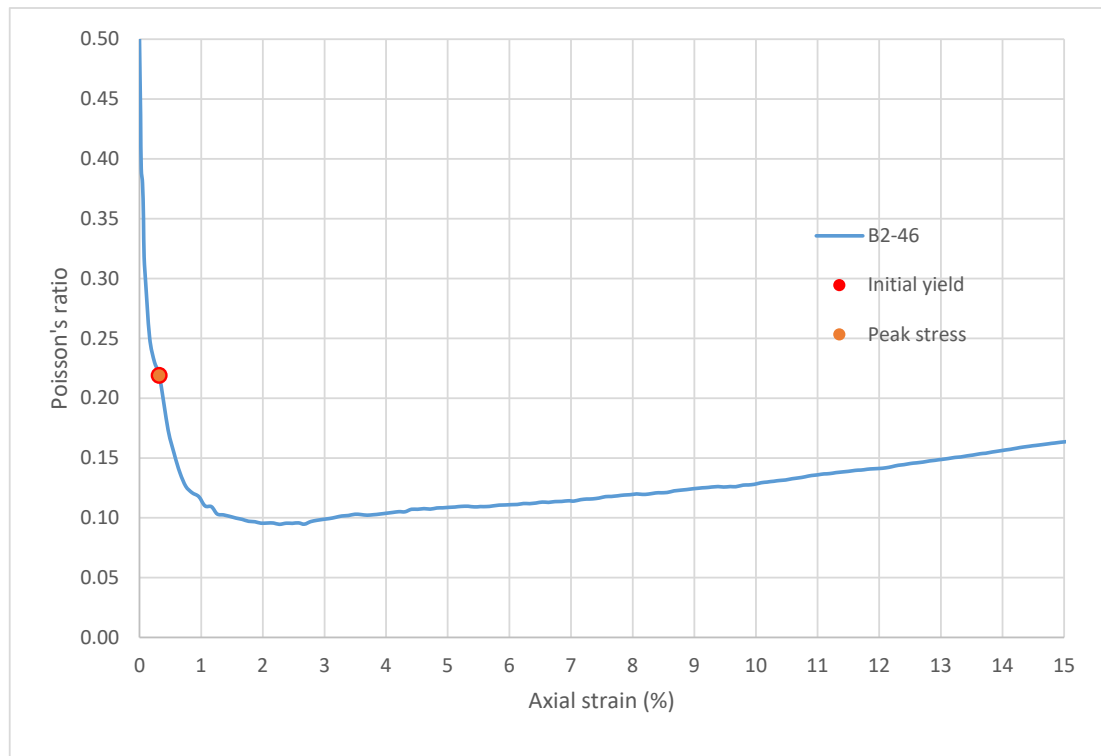
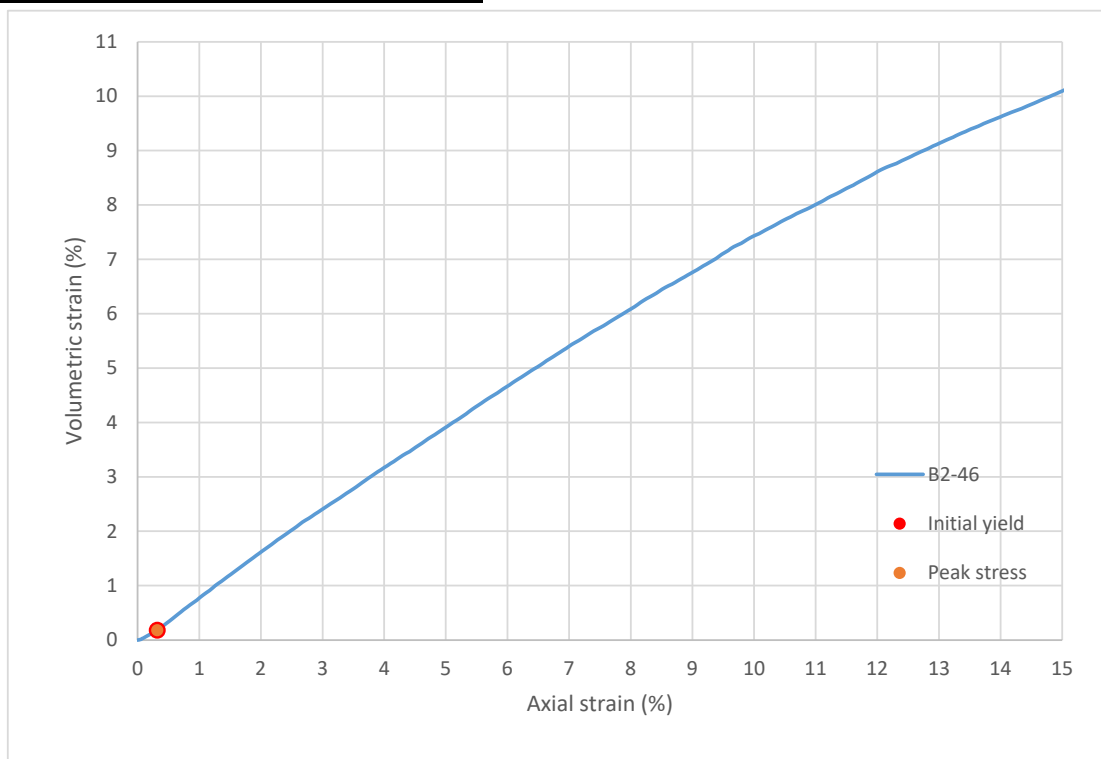


Consolidated-Drained Triaxial Shear, Lightweight Cellular Concrete

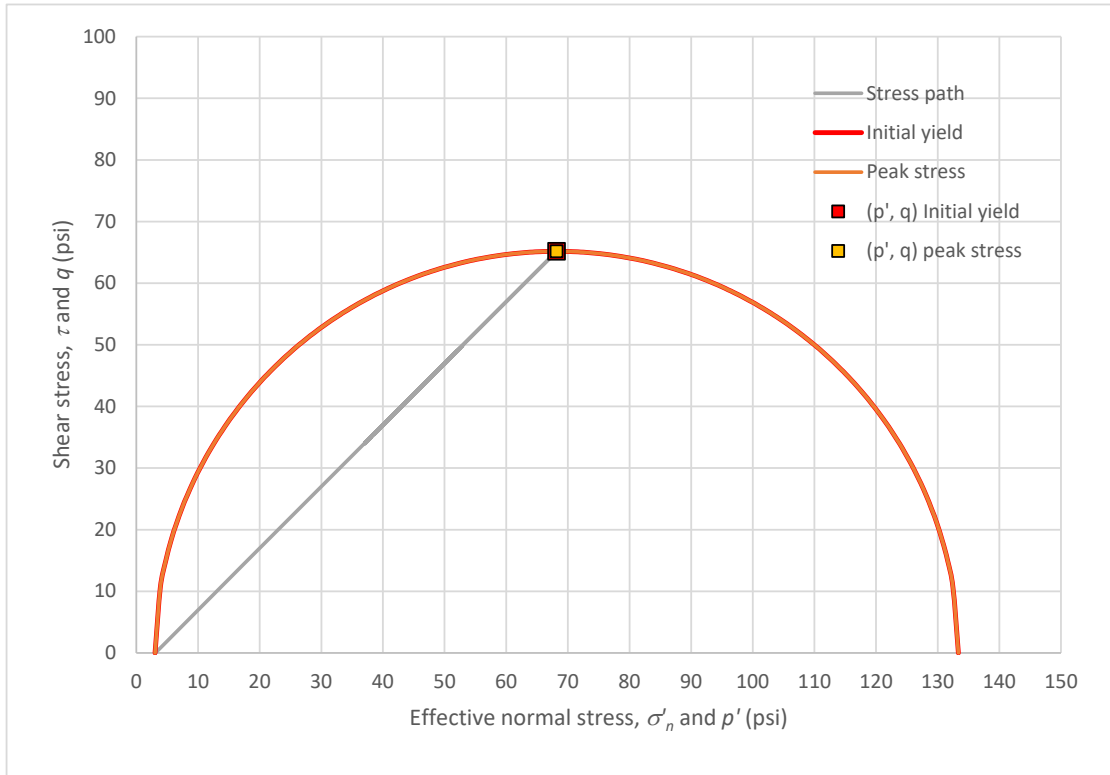
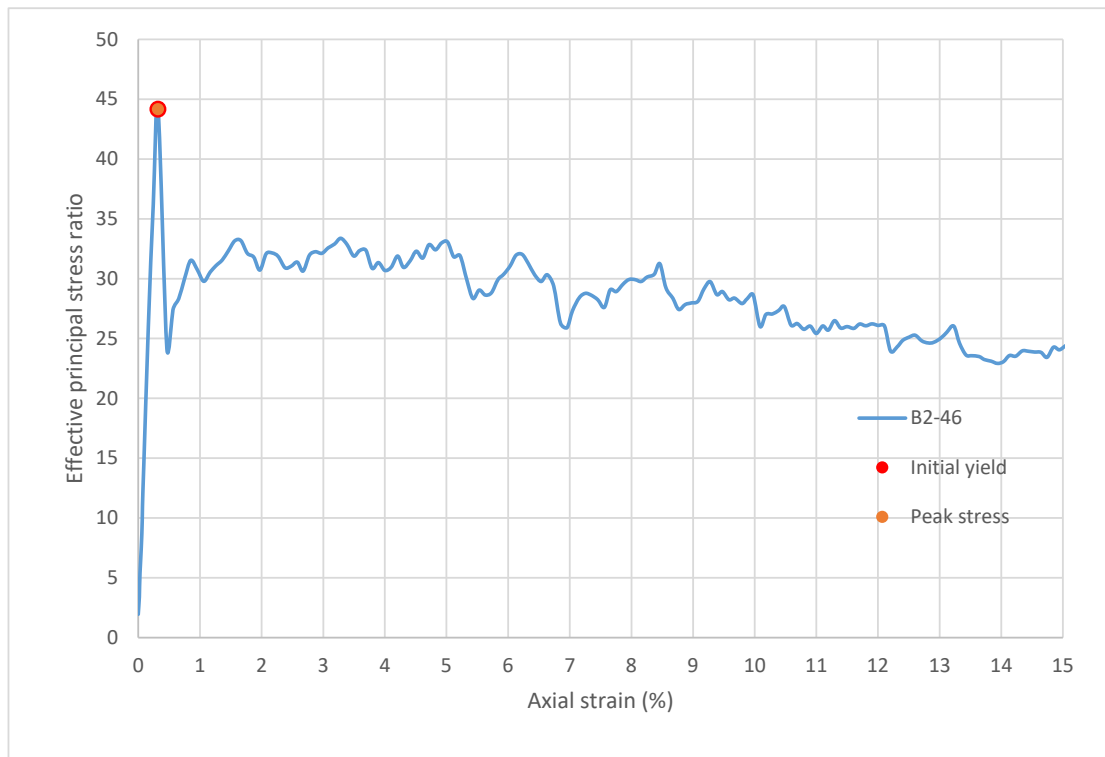
Sample ID:	B2-46
Height (in):	5.461
Height (mm):	138.7
Diameter (in):	2.944
Diameter (mm):	74.79
Area (in ²):	6.809
Area (mm ²):	4393
Mass (g):	208.27
Weight (lb):	0.4592
Weight (kN):	0.002042
Volume (in ³):	37.18
Volume (mm ³):	609308
Density (g/mm ³):	0.0003418
Density (kg/m ³):	341.8
Unit weight (pcf):	21.34
Dry unit weight (pcf):	19.50
Unit Weight (kN/m ³):	3.352
Wet mass + tare (g):	298.70
Dry mass + tare (g):	283.30
Tare (g):	119.62
Water content (%):	9.41
Saturation (%):	3.33
H:D ratio:	1.855
Age (days):	1053
Treatment:	AD

Strain rate (%/min):	0.2
Mean σ'_3 (psi):	3.1
Initial modulus (psi):	40619
Initial yield	
Time to failure (min):	1.6
Axial strain at failure (%):	0.321
σ'_1 (psi):	133.35
σ'_3 (psi):	3.02
$\sigma'_1 - \sigma'_3$ (psi):	130.33
σ'_1 / σ'_3 :	44.16
p' (psi):	68.19
q (psi):	65.17
Volumetric strain (%):	0.180
Poisson's ratio:	0.219
Peak stress	
Time to failure (min):	1.6
Axial strain at failure (%):	0.321
σ'_1 (psi):	133.35
σ'_3 (psi):	3.02
$\sigma'_1 - \sigma'_3$ (psi):	130.33
σ'_1 / σ'_3 :	44.16
p' (psi):	68.19
q (psi):	65.17
Volumetric strain (%):	0.180
Poisson's ratio:	0.219



Sample ID: **B2-46**

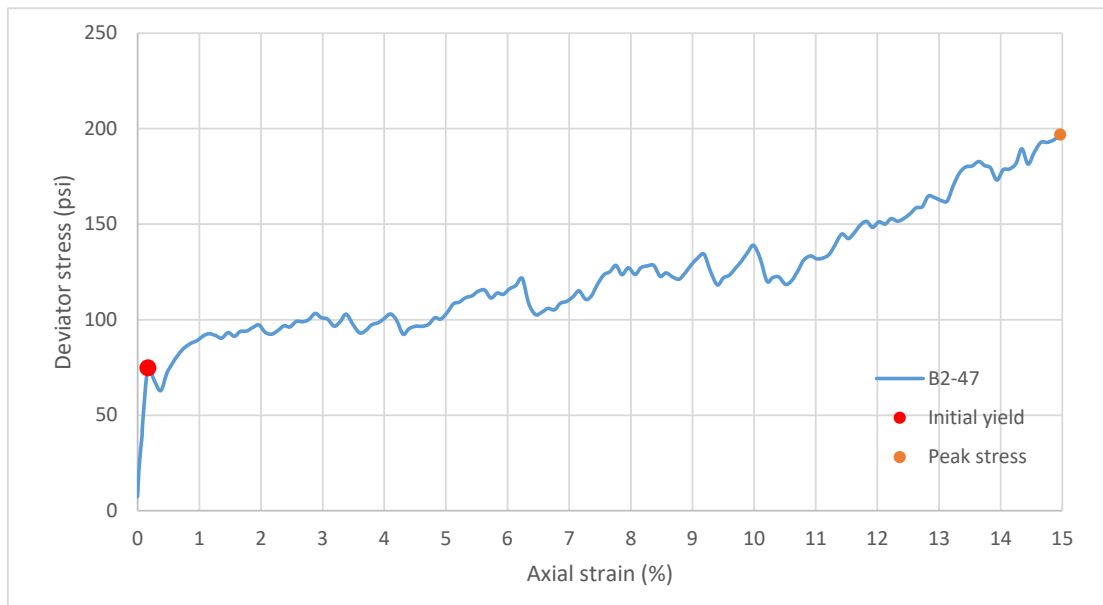
Sample ID: B2-46



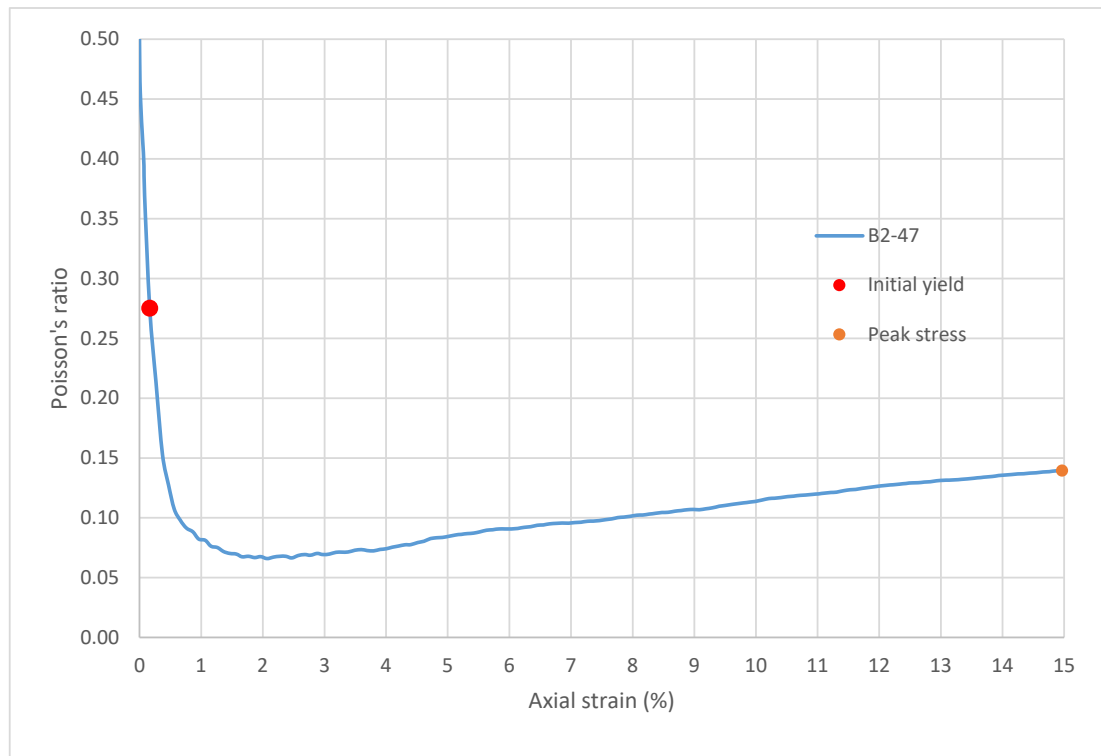
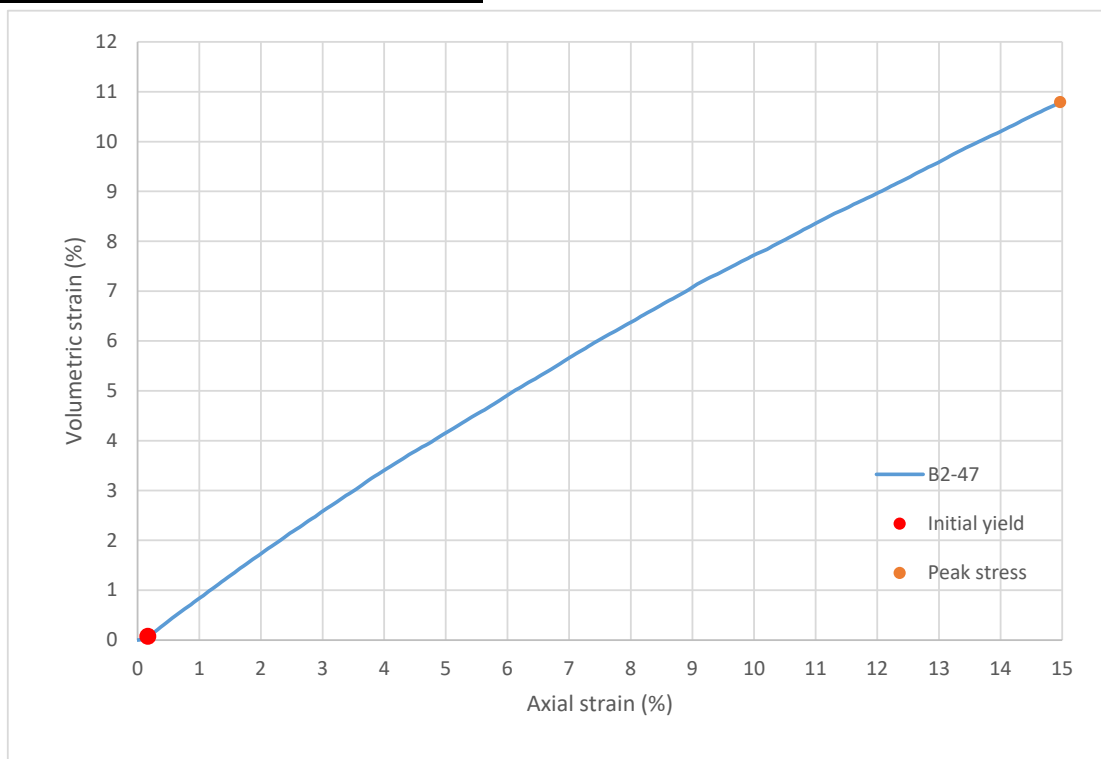
Consolidated-Drained Triaxial Shear, Lightweight Cellular Concrete

Sample ID:	B2-47
Height (in):	5.619
Height (mm):	142.7
Diameter (in):	2.957
Diameter (mm):	75.10
Area (in ²):	6.866
Area (mm ²):	4430
Mass (g):	220.18
Weight (lb):	0.4854
Weight (kN):	0.002159
Volume (in ³):	38.58
Volume (mm ³):	632163
Density (g/mm ³):	0.0003483
Density (kg/m ³):	348.3
Unit weight (pcf):	21.74
Dry unit weight (pcf):	19.18
Unit Weight (kN/m ³):	3.416
Wet mass + tare (g):	336.87
Dry mass + tare (g):	314.89
Tare (g):	150.74
Water content (%):	13.39
Saturation (%):	4.65
H:D ratio:	1.900
Age (days):	1059
Treatment:	H100

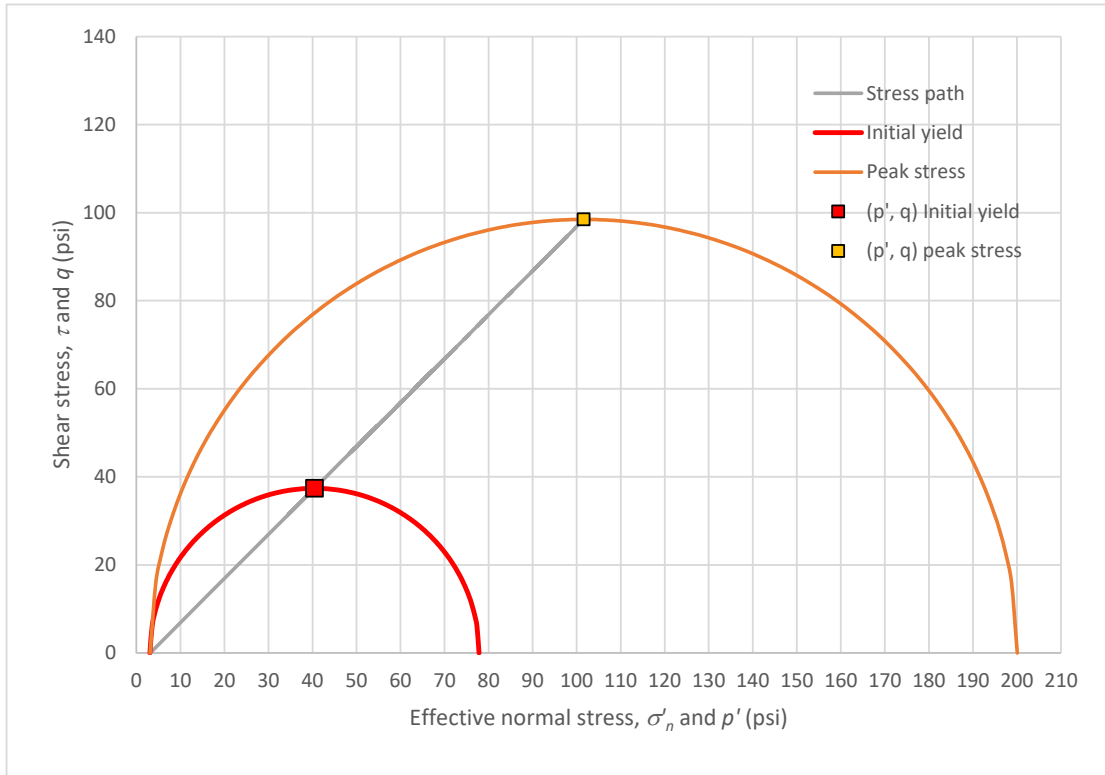
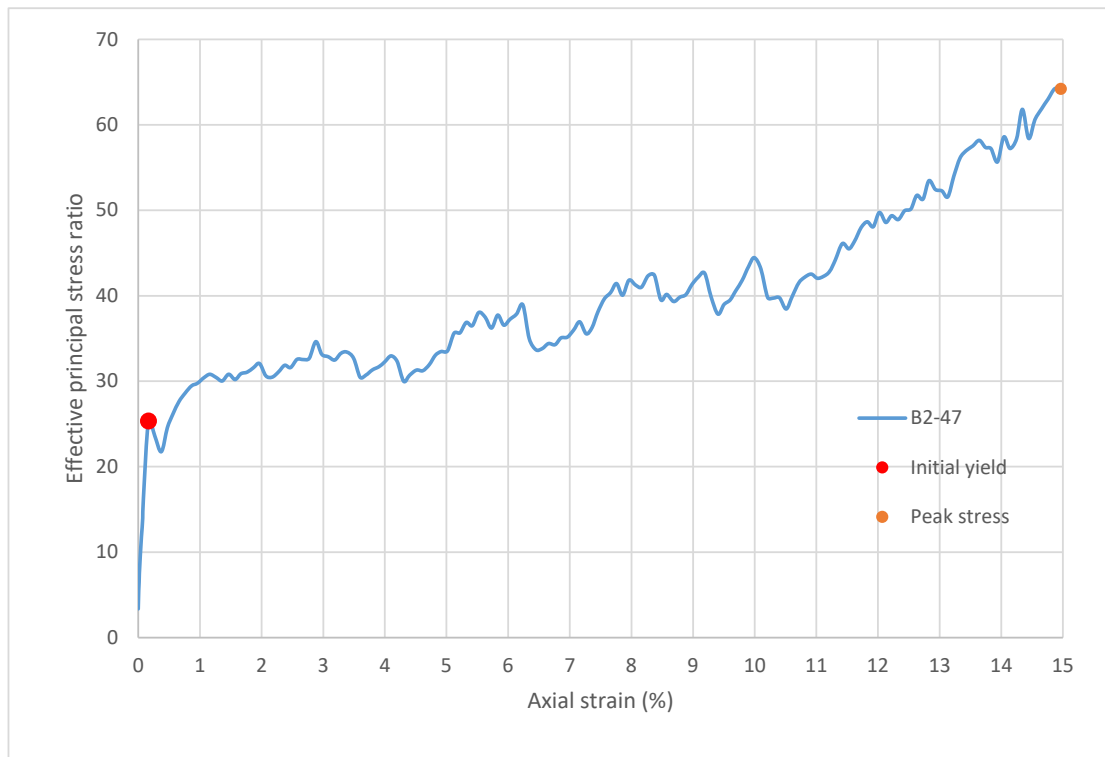
Strain rate (%/min):	0.2
Mean σ'_3 (psi):	3.2
Initial modulus (psi):	45264
Initial yield	
Time to failure (min):	0.8
Axial strain at failure (%):	0.165
σ'_1 (psi):	77.84
σ'_3 (psi):	3.07
$\sigma'_1 - \sigma'_3$ (psi):	74.77
σ'_1 / σ'_3 :	25.34
p' (psi):	40.46
q (psi):	37.39
Volumetric strain (%):	0.074
Poisson's ratio:	0.275
Peak stress	
Time to failure (min):	74.8
Axial strain at failure (%):	14.966
σ'_1 (psi):	200.07
σ'_3 (psi):	3.12
$\sigma'_1 - \sigma'_3$ (psi):	196.96
σ'_1 / σ'_3 :	64.21
p' (psi):	101.59
q (psi):	98.48
Volumetric strain (%):	10.792
Poisson's ratio:	0.139



Sample ID: B2-47



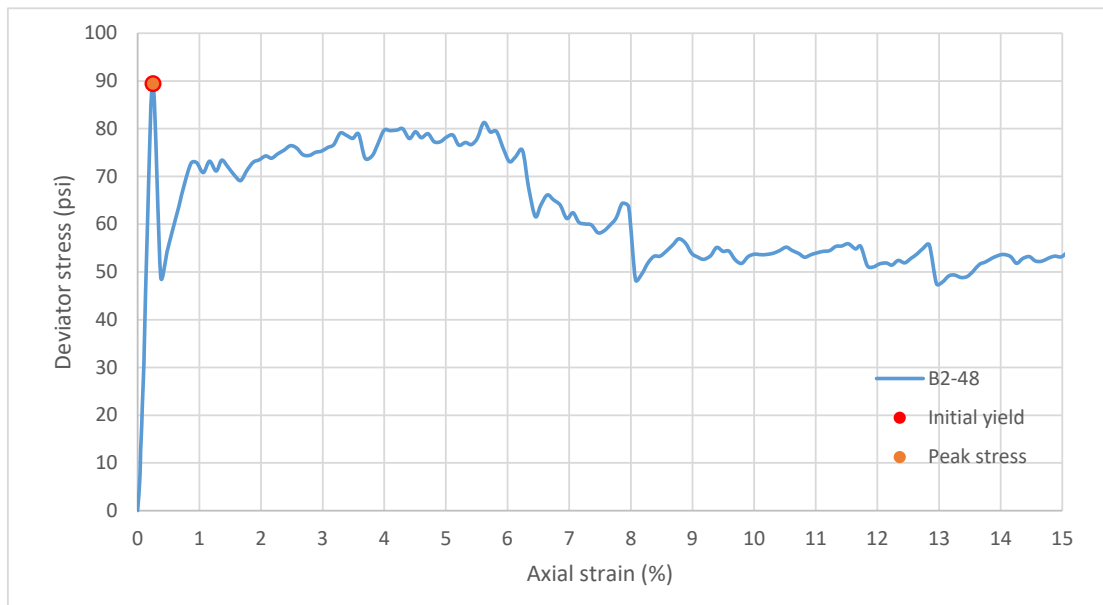
Sample ID: B2-47



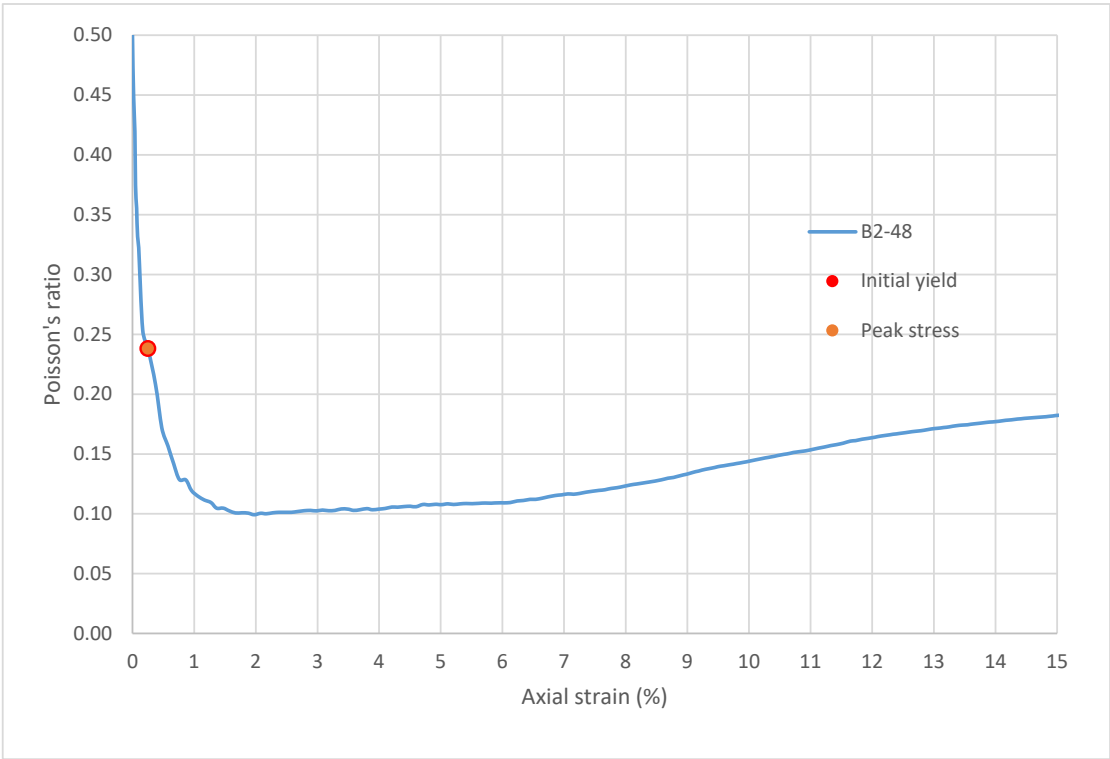
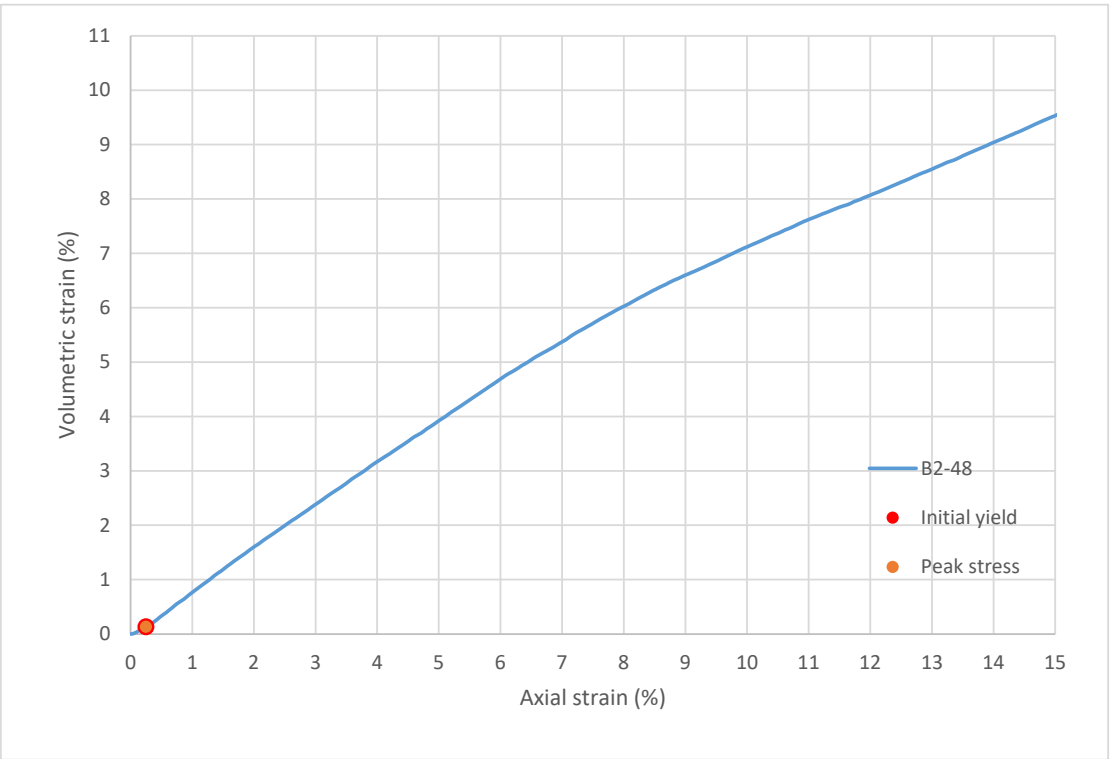
Consolidated-Drained Triaxial Shear, Lightweight Cellular Concrete

Sample ID:	B2-48
Height (in):	5.644
Height (mm):	143.4
Diameter (in):	2.953
Diameter (mm):	75.01
Area (in ²):	6.850
Area (mm ²):	4420
Mass (g):	222.92
Weight (lb):	0.4915
Weight (kN):	0.002186
Volume (in ³):	38.66
Volume (mm ³):	633582
Density (g/mm ³):	0.0003518
Density (kg/m ³):	351.8
Unit weight (pcf):	21.96
Dry unit weight (pcf):	19.22
Unit Weight (kN/m ³):	3.450
Wet mass + tare (g):	289.88
Dry mass + tare (g):	269.59
Tare (g):	127.45
Water content (%):	14.27
Saturation (%):	4.97
H:D ratio:	1.911
Age (days):	1059
Treatment:	H100

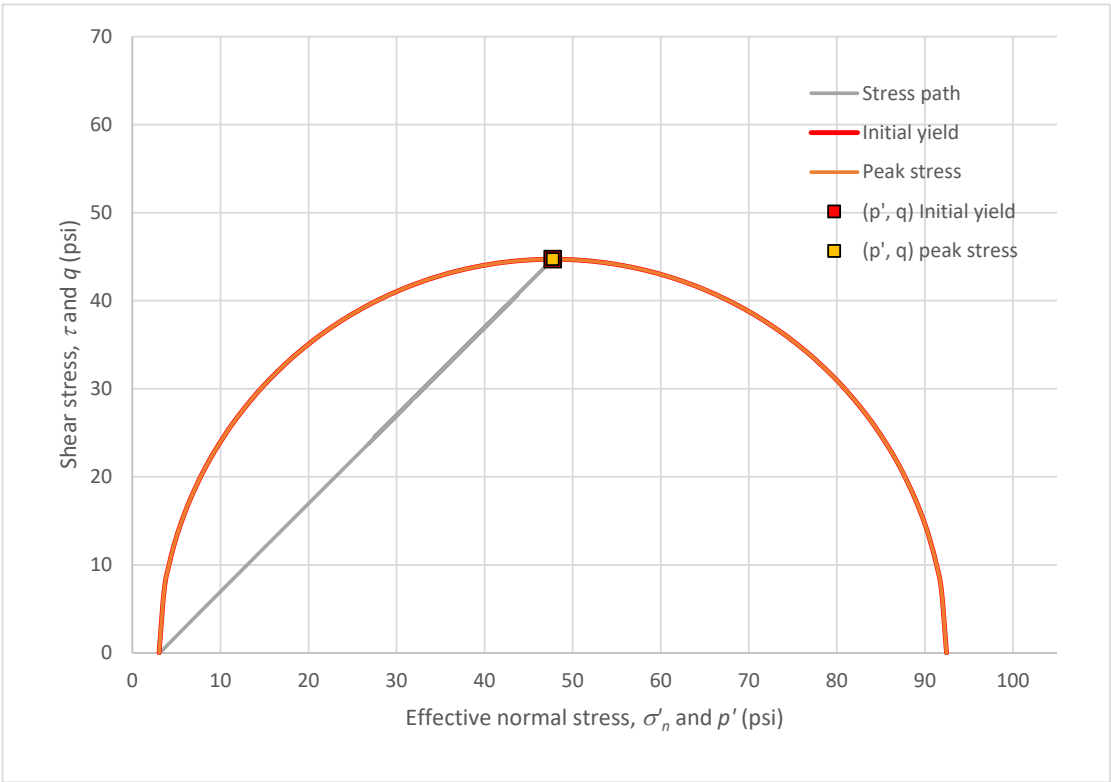
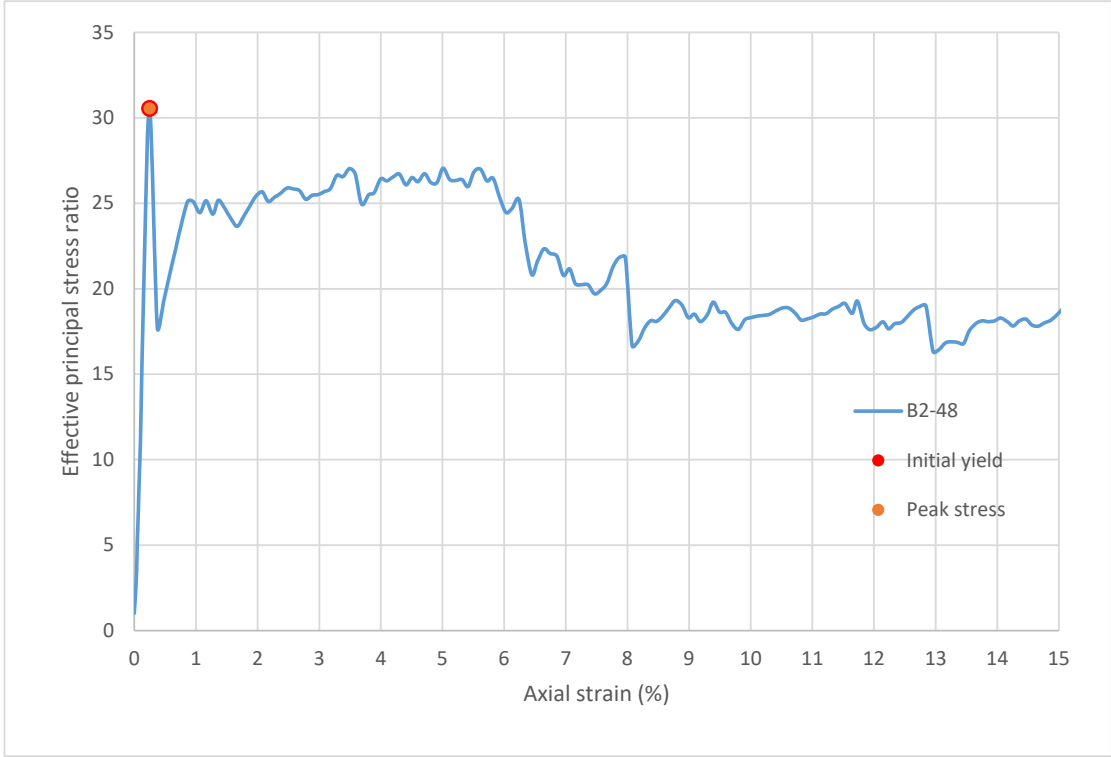
Strain rate (%/min):	0.2
Mean σ'_3 (psi):	3.1
Initial modulus (psi):	35673
Initial yield	
Time to failure (min):	1.3
Axial strain at failure (%):	0.251
σ'_1 (psi):	92.46
σ'_3 (psi):	3.03
$\sigma'_1 - \sigma'_3$ (psi):	89.43
σ'_1 / σ'_3 :	30.55
p' (psi):	47.74
q (psi):	44.72
Volumetric strain (%):	0.131
Poisson's ratio:	0.238
Peak stress	
Time to failure (min):	1.3
Axial strain at failure (%):	0.251
σ'_1 (psi):	92.46
σ'_3 (psi):	3.03
$\sigma'_1 - \sigma'_3$ (psi):	89.43
σ'_1 / σ'_3 :	30.55
p' (psi):	47.74
q (psi):	44.72
Volumetric strain (%):	0.131
Poisson's ratio:	0.238



Sample ID: **B2-48**



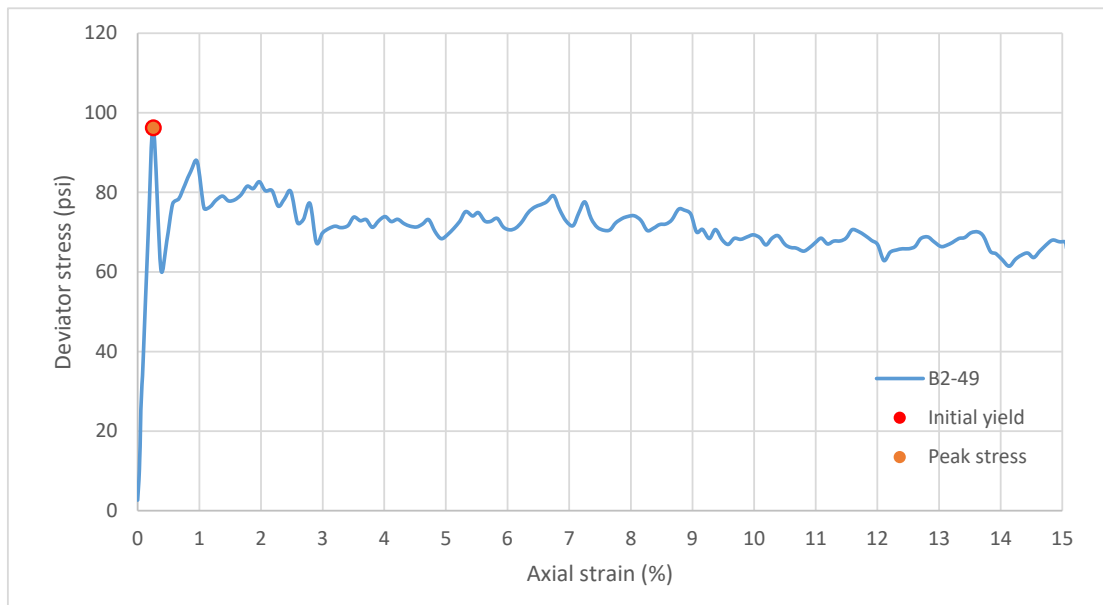
Sample ID: **B2-48**



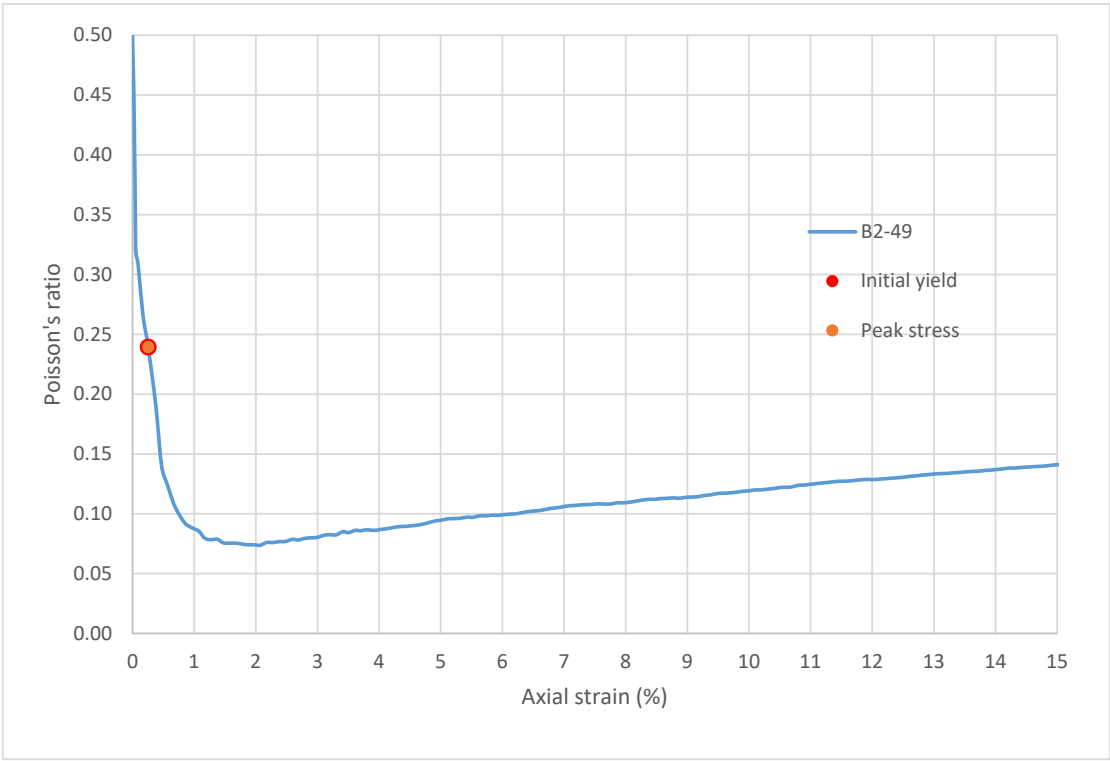
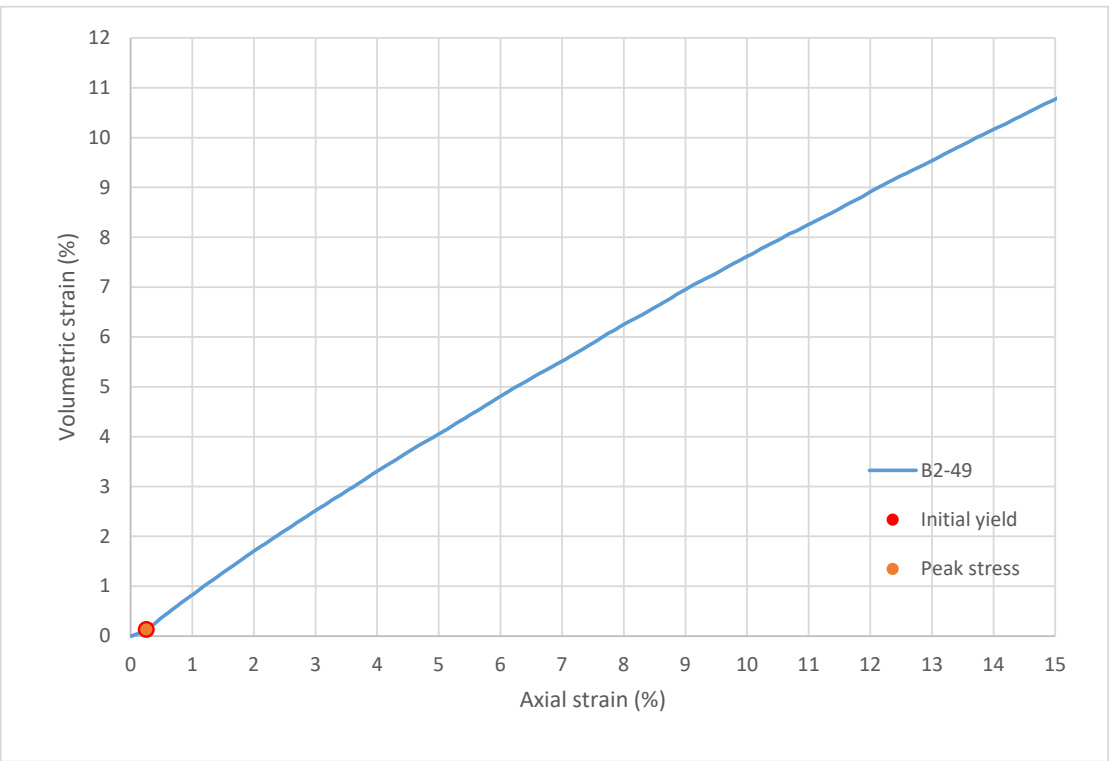
Consolidated-Drained Triaxial Shear, Lightweight Cellular Concrete

Sample ID:	B2-49
Height (in):	5.471
Height (mm):	139.0
Diameter (in):	2.945
Diameter (mm):	74.79
Area (in ²):	6.810
Area (mm ²):	4393
Mass (g):	214.39
Weight (lb):	0.4726
Weight (kN):	0.002102
Volume (in ³):	37.26
Volume (mm ³):	610516
Density (g/mm ³):	0.0003512
Density (kg/m ³):	351.2
Unit weight (pcf):	21.92
Dry unit weight (pcf):	19.16
Unit Weight (kN/m ³):	3.444
Wet mass + tare (g):	310.73
Dry mass + tare (g):	287.73
Tare (g):	128.10
Water content (%):	14.41
Saturation (%):	5.00
H:D ratio:	1.858
Age (days):	1060
Treatment:	H100

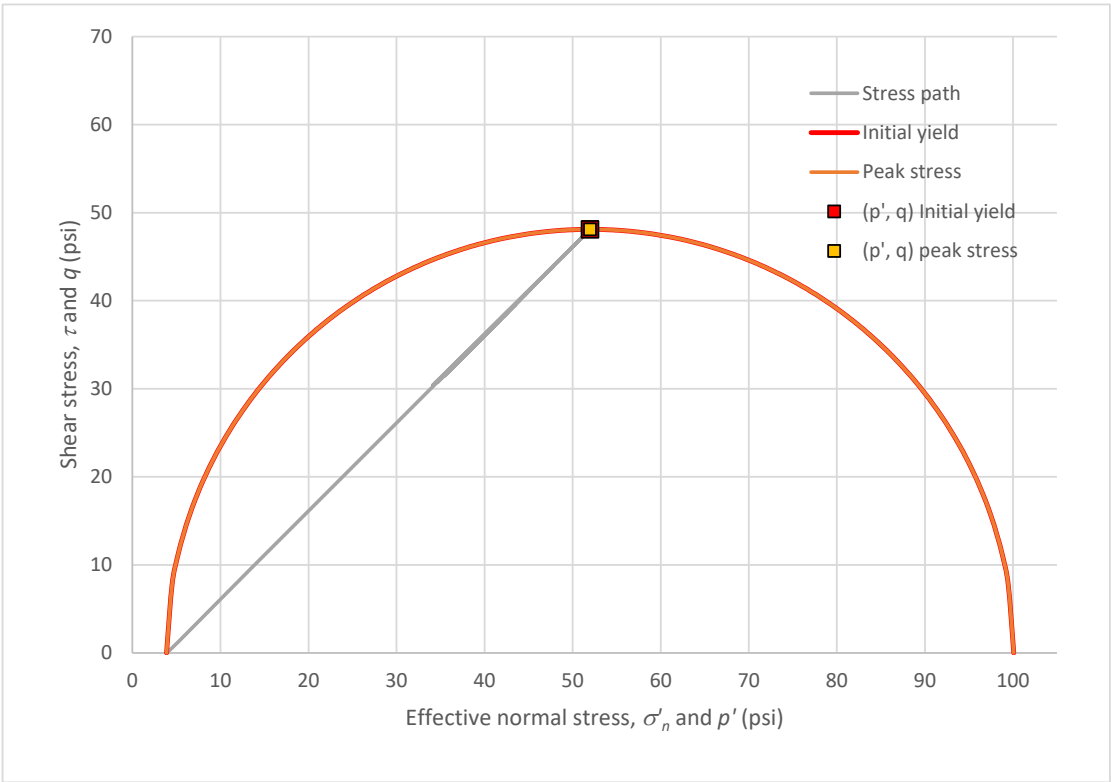
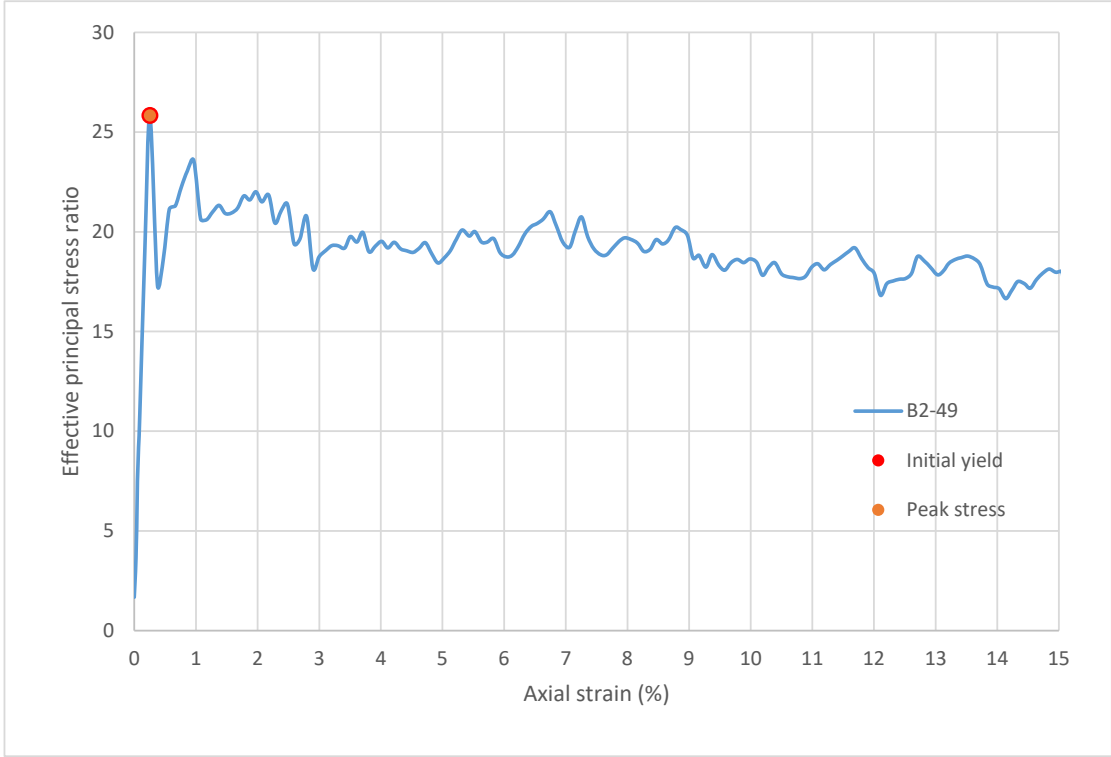
Strain rate (%/min):	0.2
Mean σ'_3 (psi):	3.9
Initial modulus (psi):	37882
Initial yield	
Time to failure (min):	1.3
Axial strain at failure (%):	0.254
σ'_1 (psi):	100.10
σ'_3 (psi):	3.87
$\sigma'_1 - \sigma'_3$ (psi):	96.22
σ'_1 / σ'_3 :	25.83
p' (psi):	51.99
q (psi):	48.11
Volumetric strain (%):	0.132
Poisson's ratio:	0.239
Peak stress	
Time to failure (min):	1.3
Axial strain at failure (%):	0.254
σ'_1 (psi):	100.10
σ'_3 (psi):	3.87
$\sigma'_1 - \sigma'_3$ (psi):	96.22
σ'_1 / σ'_3 :	25.83
p' (psi):	51.99
q (psi):	48.11
Volumetric strain (%):	0.132
Poisson's ratio:	0.239



Sample ID: **B2-49**



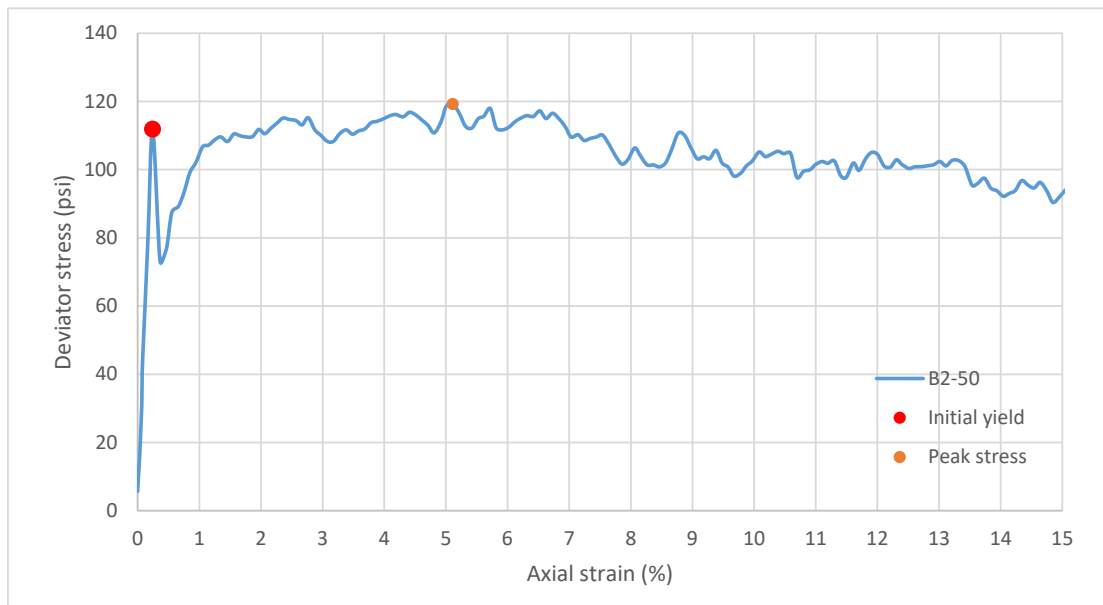
Sample ID: **B2-49**

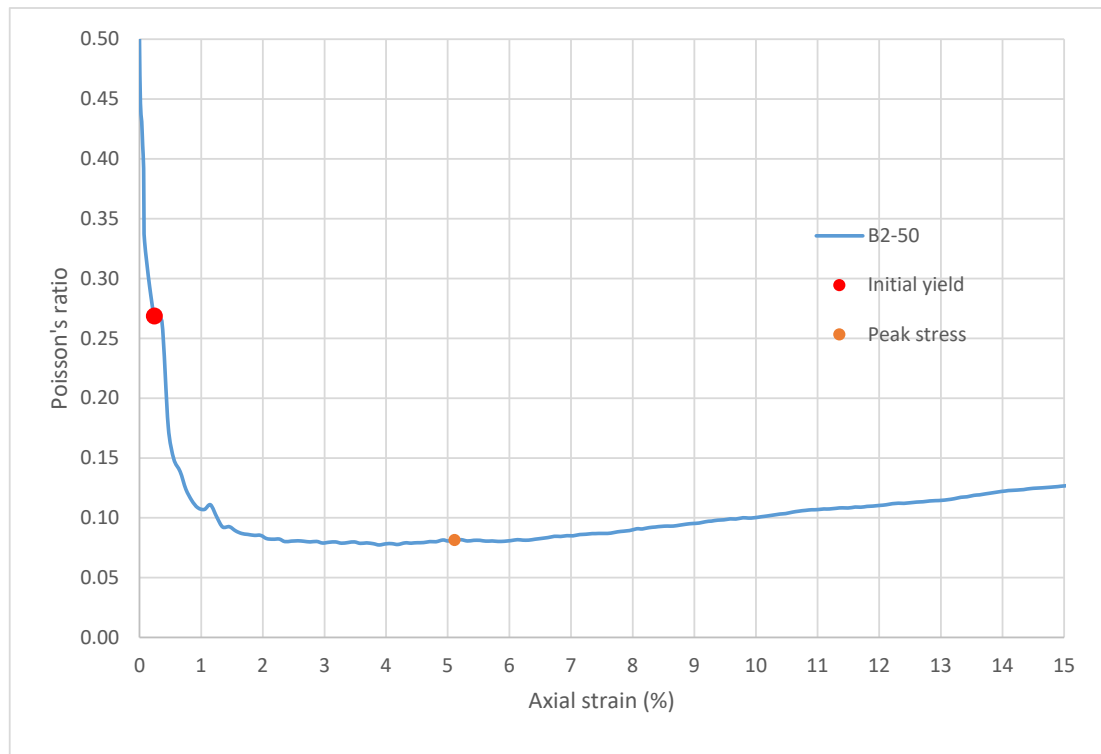
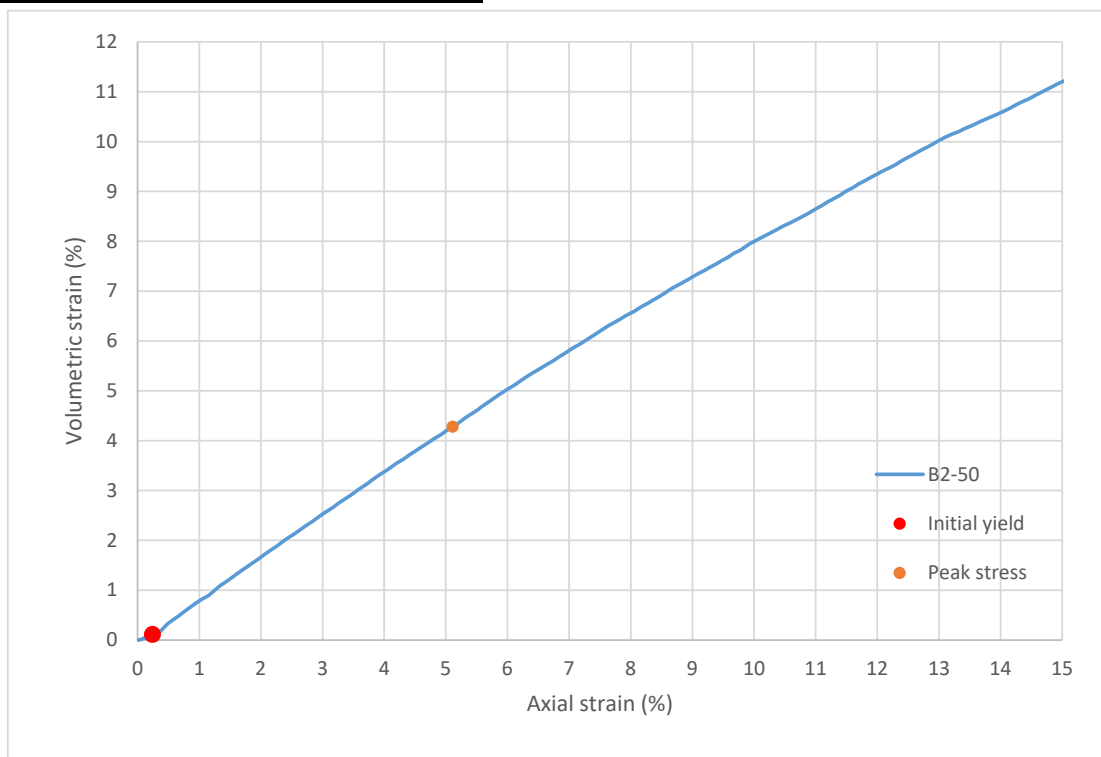


Consolidated-Drained Triaxial Shear, Lightweight Cellular Concrete

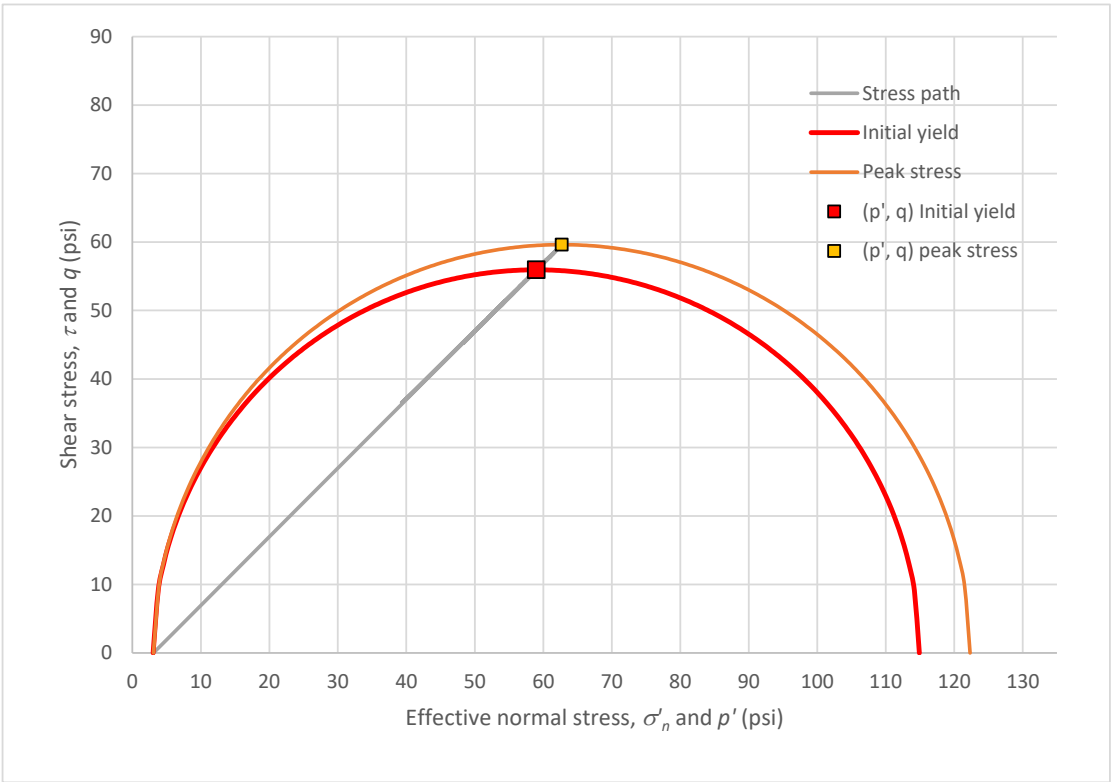
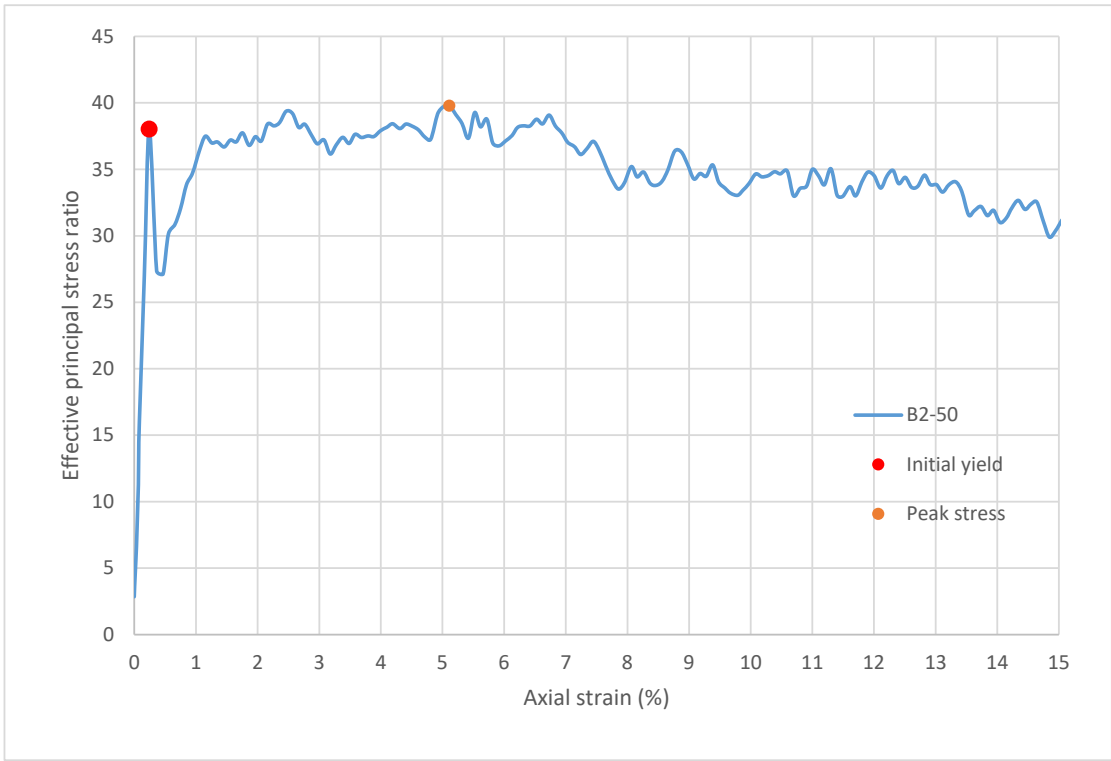
Sample ID:	B2-50
Height (in):	5.516
Height (mm):	140.1
Diameter (in):	2.967
Diameter (mm):	75.36
Area (in ²):	6.914
Area (mm ²):	4461
Mass (g):	218.28
Weight (lb):	0.4812
Weight (kN):	0.002141
Volume (in ³):	38.14
Volume (mm ³):	625042
Density (g/mm ³):	0.0003492
Density (kg/m ³):	349.2
Unit weight (pcf):	21.80
Dry unit weight (pcf):	19.02
Unit Weight (kN/m ³):	3.425
Wet mass + tare (g):	326.11
Dry mass + tare (g):	300.82
Tare (g):	128.06
Water content (%):	14.64
Saturation (%):	5.03
H:D ratio:	1.859
Age (days):	1060
Treatment:	H100

Strain rate (%/min):	0.2
Mean σ'_3 (psi):	3.1
Initial modulus (psi):	46223
Initial yield	
Time to failure (min):	1.2
Axial strain at failure (%):	0.242
σ'_1 (psi):	114.92
σ'_3 (psi):	3.02
$\sigma'_1 - \sigma'_3$ (psi):	111.89
σ'_1 / σ'_3 :	38.03
p' (psi):	58.97
q (psi):	55.95
Volumetric strain (%):	0.112
Poisson's ratio:	0.269
Peak stress	
Time to failure (min):	25.6
Axial strain at failure (%):	5.112
σ'_1 (psi):	122.32
σ'_3 (psi):	3.07
$\sigma'_1 - \sigma'_3$ (psi):	119.24
σ'_1 / σ'_3 :	39.78
p' (psi):	62.69
q (psi):	59.62
Volumetric strain (%):	4.279
Poisson's ratio:	0.081



Sample ID: **B2-50**

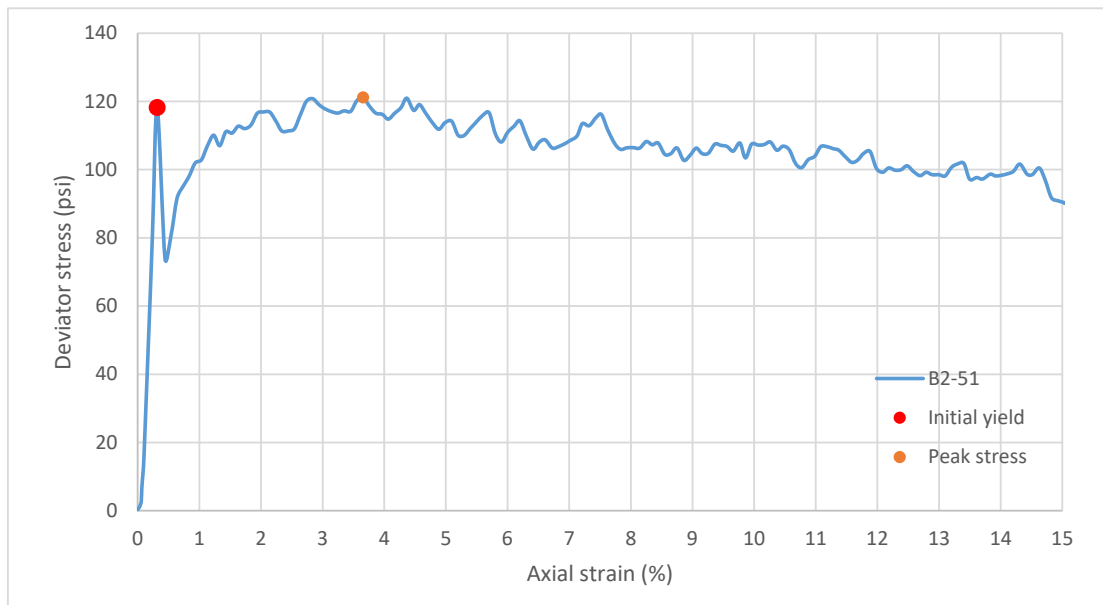
Sample ID: **B2-50**



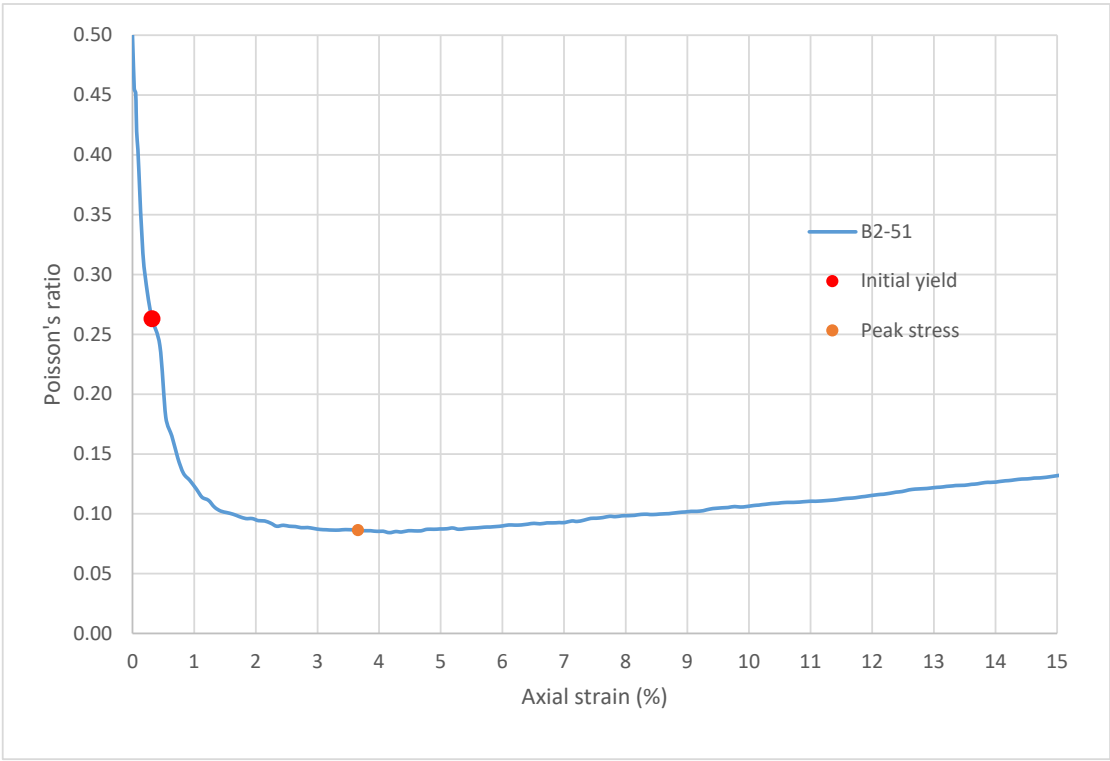
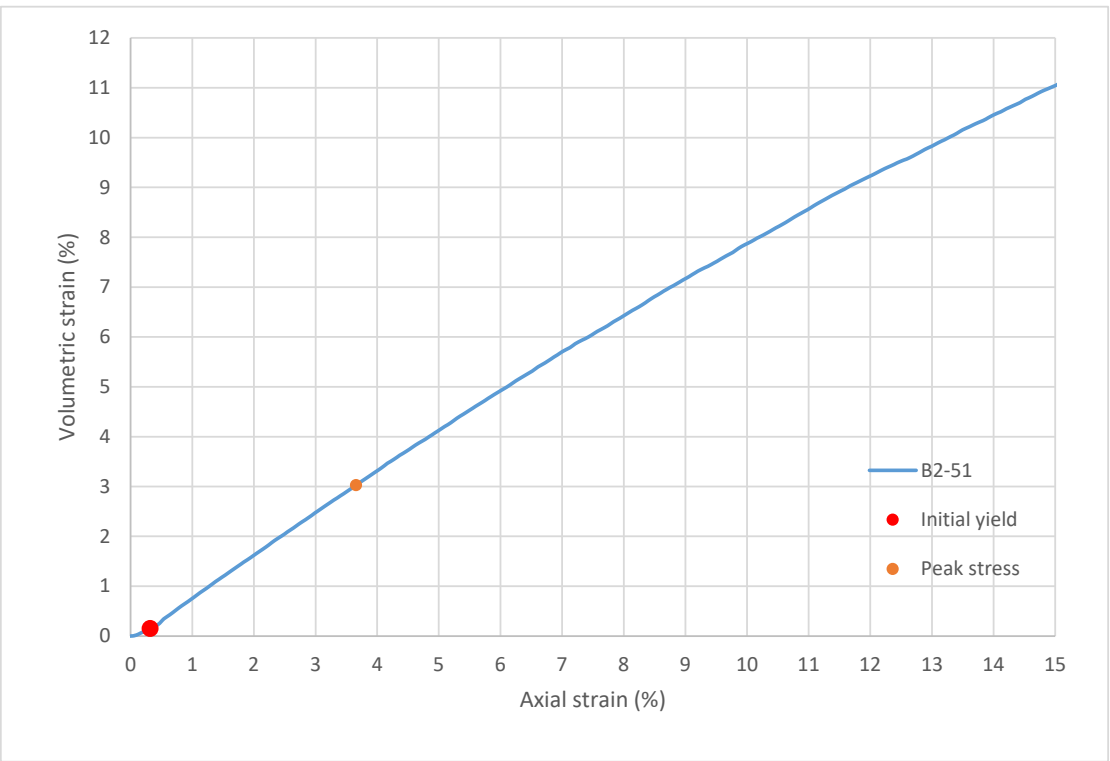
Consolidated-Drained Triaxial Shear, Lightweight Cellular Concrete

Sample ID:	B2-51
Height (in):	5.512
Height (mm):	140.0
Diameter (in):	2.964
Diameter (mm):	75.29
Area (in ²):	6.900
Area (mm ²):	4452
Mass (g):	221.42
Weight (lb):	0.4881
Weight (kN):	0.002171
Volume (in ³):	38.03
Volume (mm ³):	623242
Density (g/mm ³):	0.0003553
Density (kg/m ³):	355.3
Unit weight (pcf):	22.18
Dry unit weight (pcf):	19.36
Unit Weight (kN/m ³):	3.484
Wet mass + tare (g):	329.02
Dry mass + tare (g):	302.95
Tare (g):	123.55
Water content (%)	14.53
Saturation (%)	5.10
H:D ratio:	1.860
Age (days):	1060
Treatment:	H100

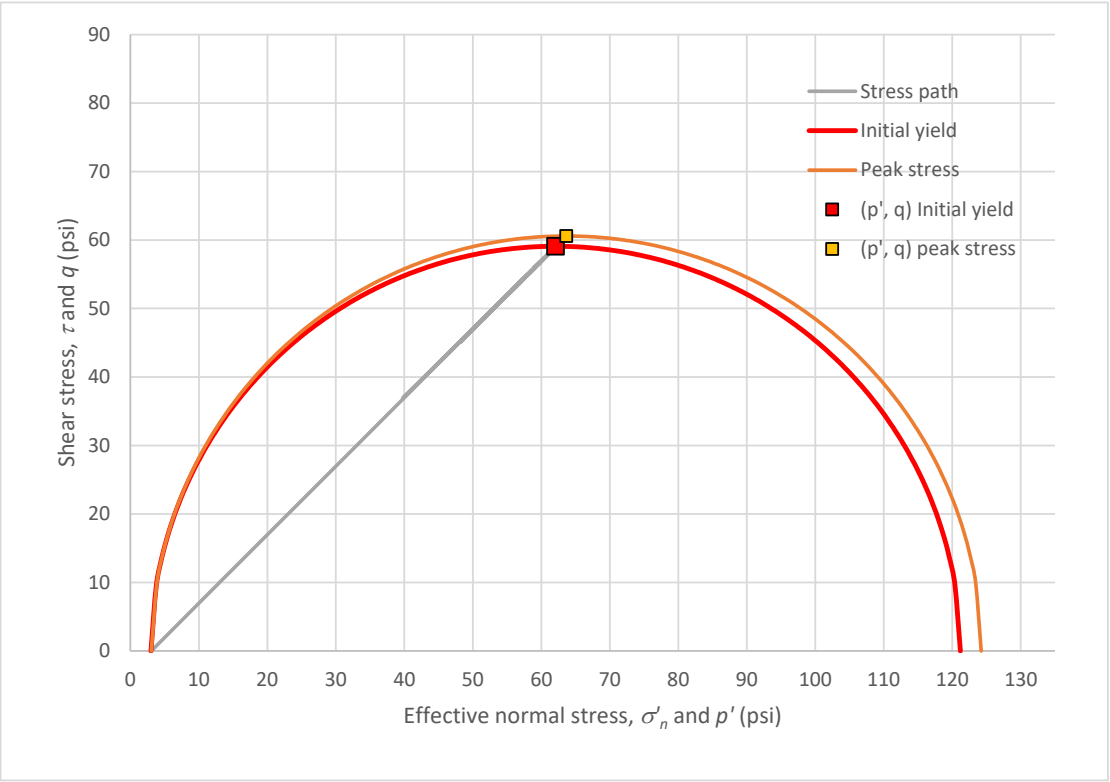
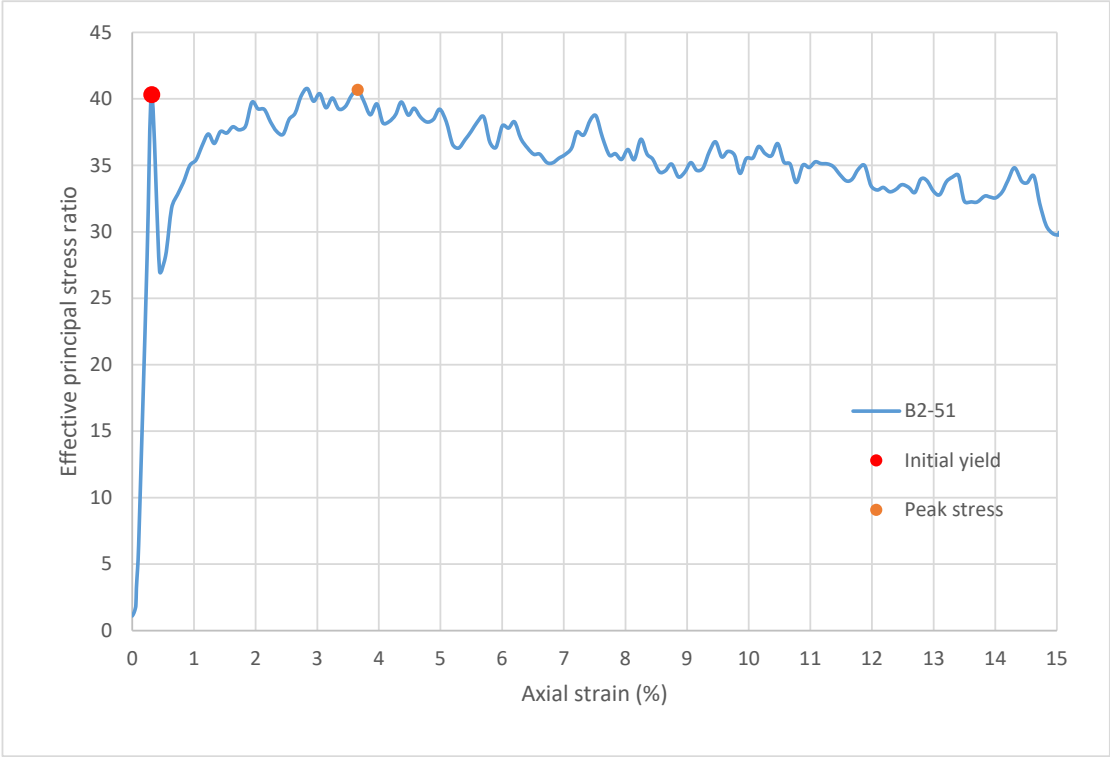
Strain rate (%/min):	0.2
Mean σ'_3 (psi):	3.1
Initial modulus (psi):	37358
Initial yield	
Time to failure (min):	1.6
Axial strain at failure (%):	0.316
σ'_1 (psi):	121.19
σ'_3 (psi):	3.01
$\sigma'_1 - \sigma'_3$ (psi):	118.18
σ'_1 / σ'_3 :	40.32
p' (psi):	62.10
q (psi):	59.09
Volumetric strain (%):	0.150
Poisson's ratio:	0.263
Peak stress	
Time to failure (min):	18.3
Axial strain at failure (%):	3.658
σ'_1 (psi):	124.24
σ'_3 (psi):	3.05
$\sigma'_1 - \sigma'_3$ (psi):	121.18
σ'_1 / σ'_3 :	40.68
p' (psi):	63.65
q (psi):	60.59
Volumetric strain (%):	3.026
Poisson's ratio:	0.086



Sample ID: **B2-51**



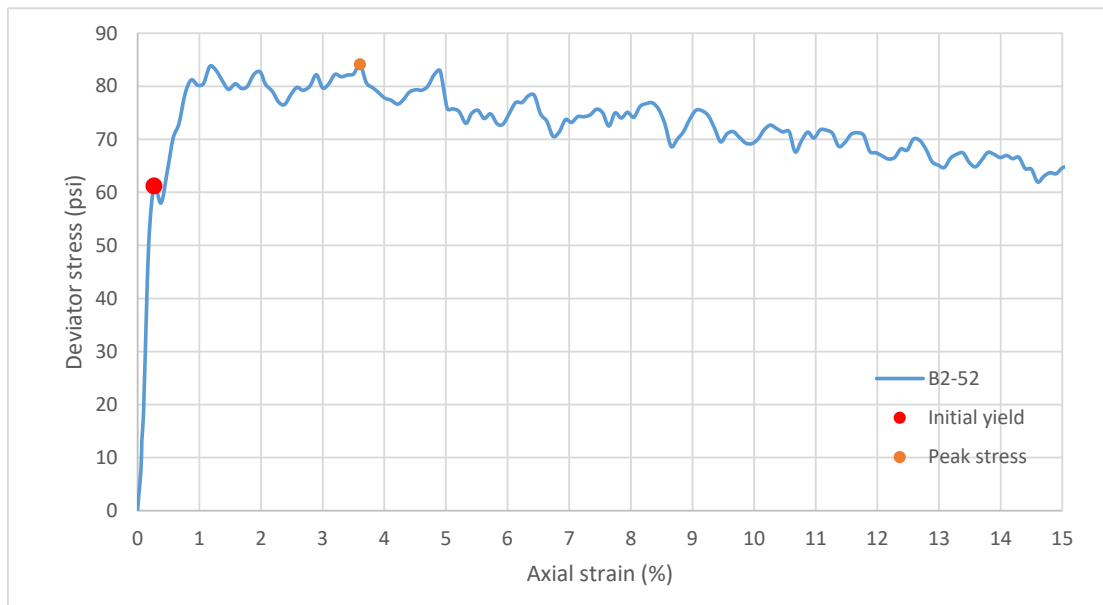
Sample ID: **B2-51**



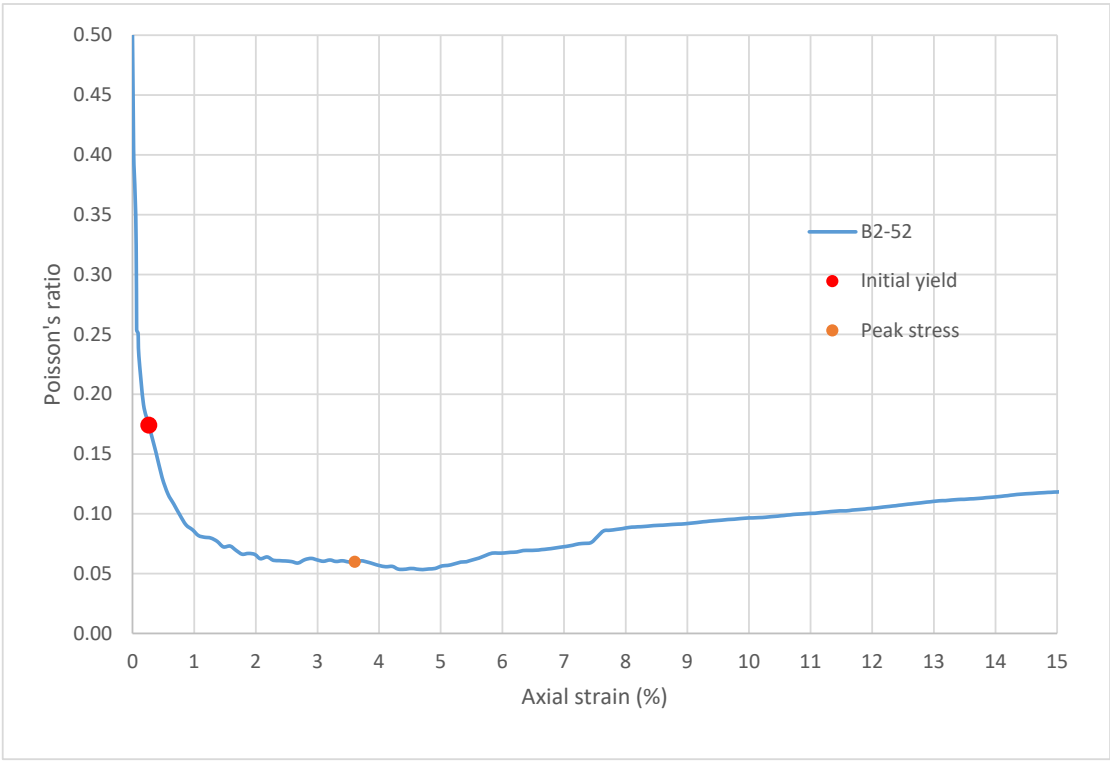
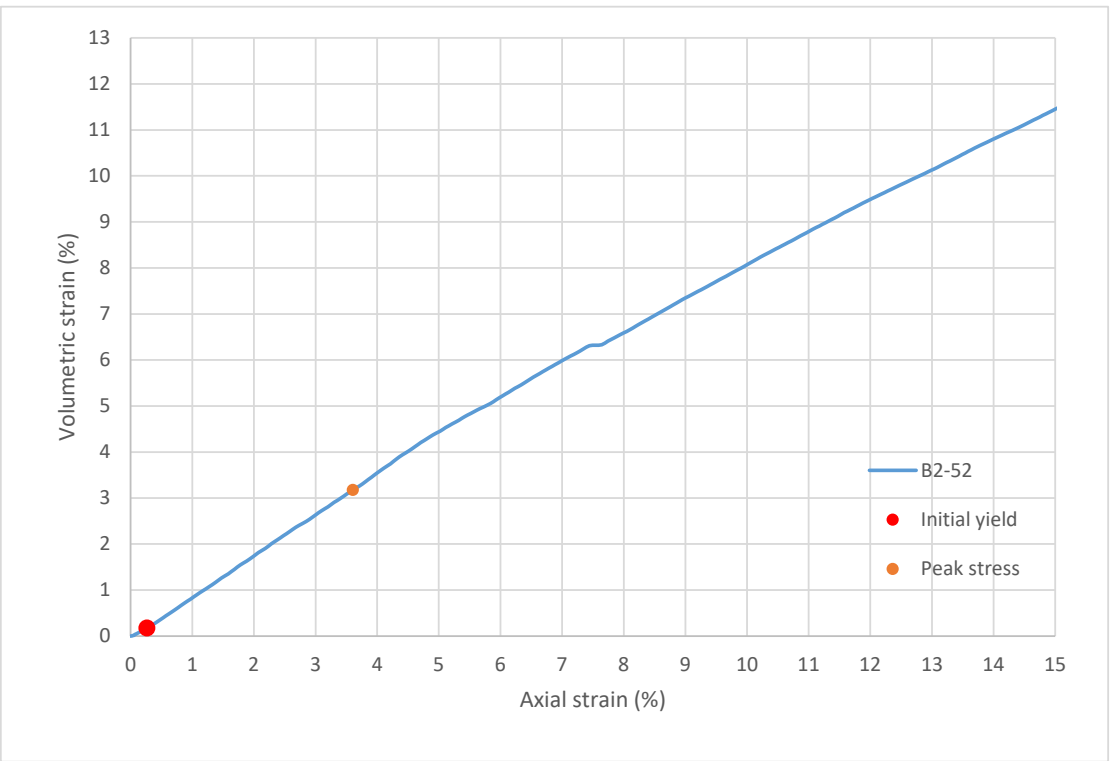
Consolidated-Drained Triaxial Shear, Lightweight Cellular Concrete

Sample ID:	B2-52
Height (in):	5.587
Height (mm):	141.9
Diameter (in):	2.963
Diameter (mm):	75.27
Area (in ²):	6.896
Area (mm ²):	4449
Mass (g):	289.64
Weight (lb):	0.6385
Weight (kN):	0.002840
Volume (in ³):	38.53
Volume (mm ³):	631391
Density (g/mm ³):	0.0004587
Density (kg/m ³):	458.7
Unit weight (pcf):	28.64
Dry unit weight (pcf):	18.93
Unit Weight (kN/m ³):	4.499
Wet mass + tare (g):	409.70
Dry mass + tare (g):	325.16
Tare (g):	160.19
Water content (%):	51.25
Saturation (%):	17.53
H:D ratio:	1.885
Age (days):	1064
Treatment:	D1

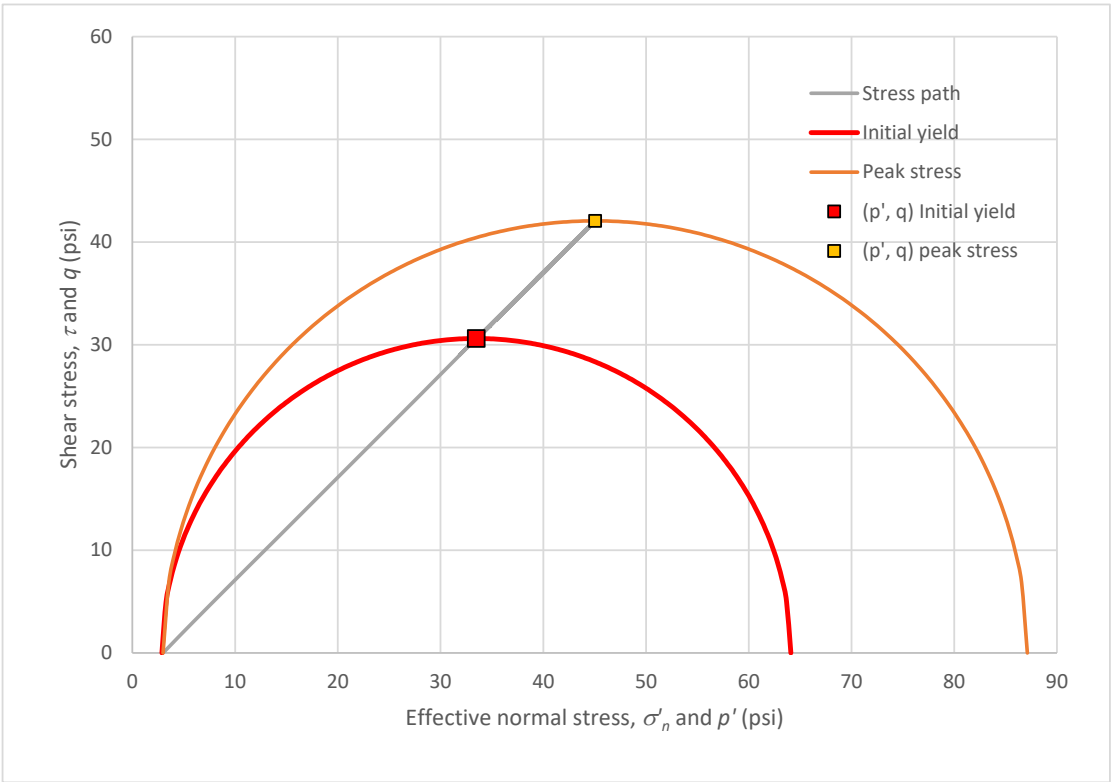
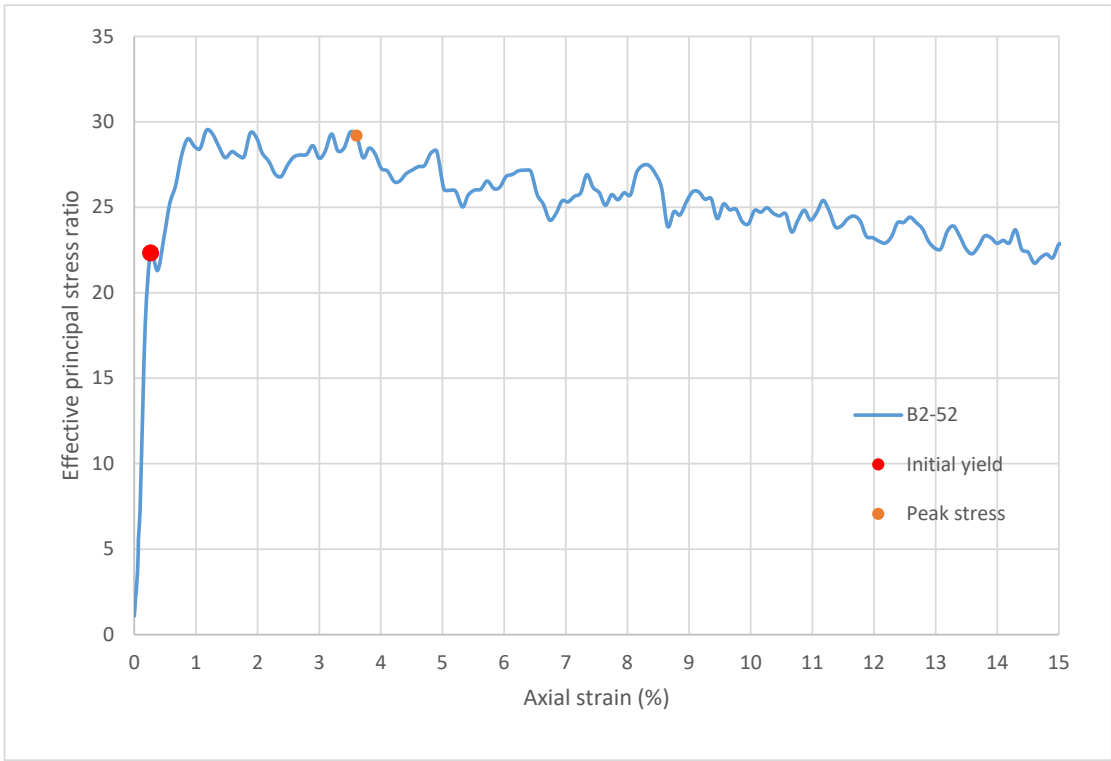
Strain rate (%/min):	0.2
Mean σ'_3 (psi):	3.0
Initial modulus (psi):	23093
Initial yield	
Time to failure (min):	1.3
Axial strain at failure (%):	0.265
σ'_1 (psi):	64.09
σ'_3 (psi):	2.87
$\sigma'_1 - \sigma'_3$ (psi):	61.22
σ'_1 / σ'_3 :	22.33
p' (psi):	33.48
q (psi):	30.61
Volumetric strain (%):	0.173
Poisson's ratio:	0.174
Peak stress	
Time to failure (min):	18.0
Axial strain at failure (%):	3.607
σ'_1 (psi):	87.11
σ'_3 (psi):	2.98
$\sigma'_1 - \sigma'_3$ (psi):	84.13
σ'_1 / σ'_3 :	29.19
p' (psi):	45.05
q (psi):	42.06
Volumetric strain (%):	3.175
Poisson's ratio:	0.060



Sample ID: **B2-52**



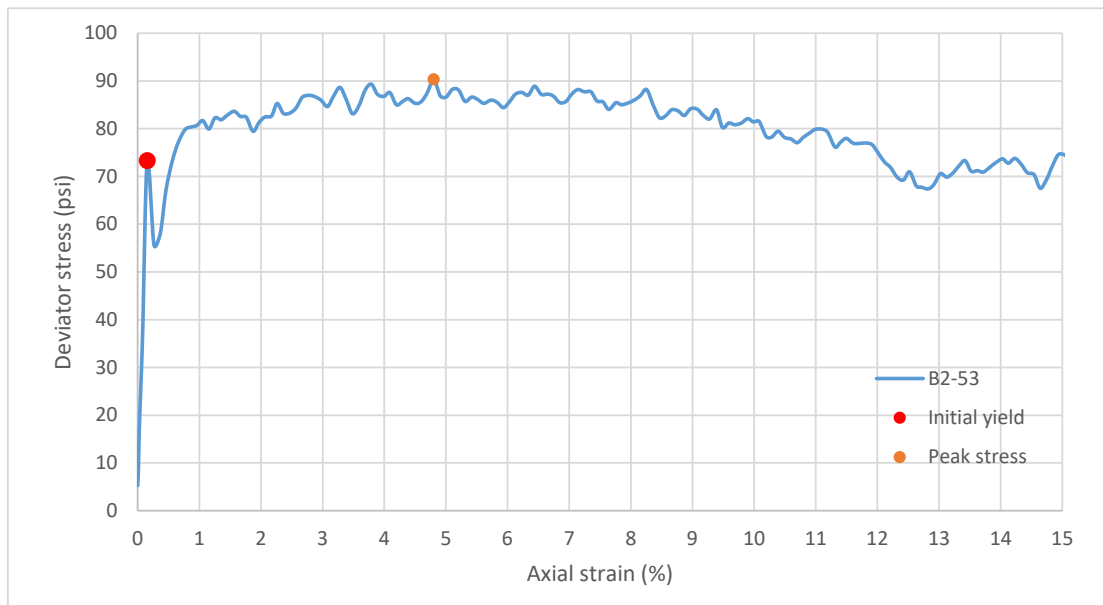
Sample ID: **B2-52**



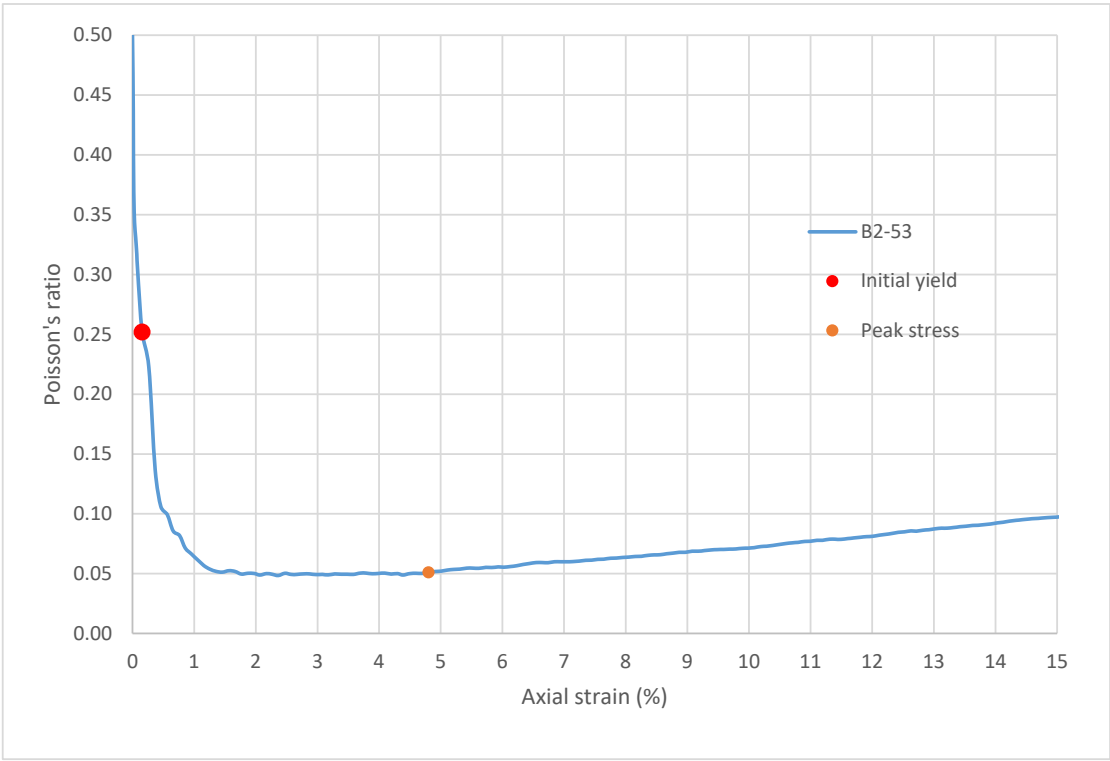
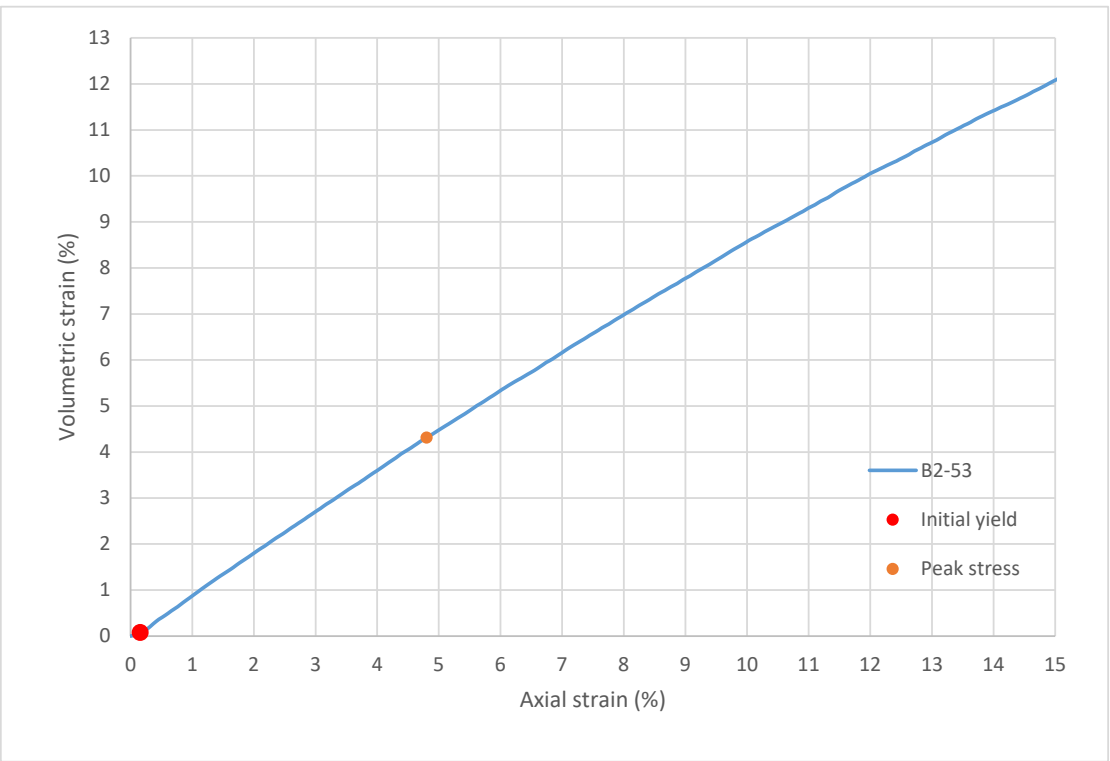
Consolidated-Drained Triaxial Shear, Lightweight Cellular Concrete

Sample ID:	B2-53
Height (in):	5.439
Height (mm):	138.1
Diameter (in):	2.953
Diameter (mm):	75.01
Area (in ²):	6.849
Area (mm ²):	4419
Mass (g):	274.34
Weight (lb):	0.6048
Weight (kN):	0.002690
Volume (in ³):	37.25
Volume (mm ³):	610394
Density (g/mm ³):	0.0004494
Density (kg/m ³):	449.4
Unit weight (pcf):	28.06
Dry unit weight (pcf):	19.52
Unit Weight (kN/m ³):	4.408
Wet mass + tare (g):	375.59
Dry mass + tare (g):	296.18
Tare (g):	114.70
Water content (%):	43.76
Saturation (%):	15.49
H:D ratio:	1.842
Age (days):	1064
Treatment:	D1

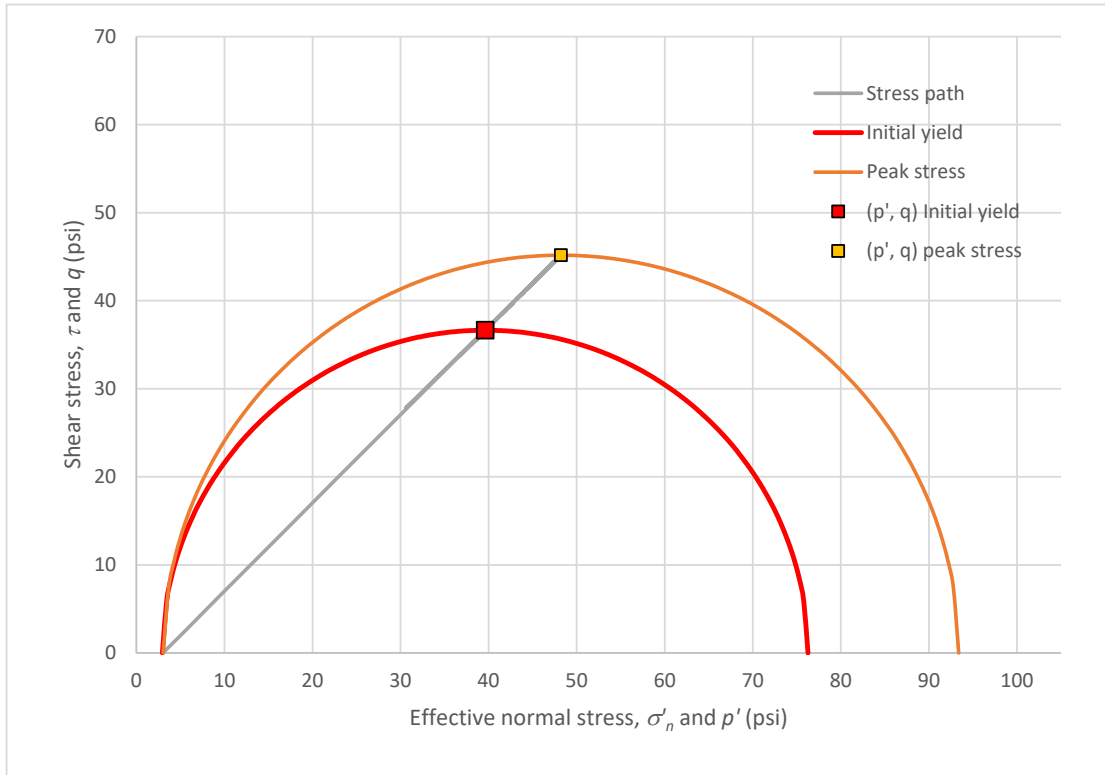
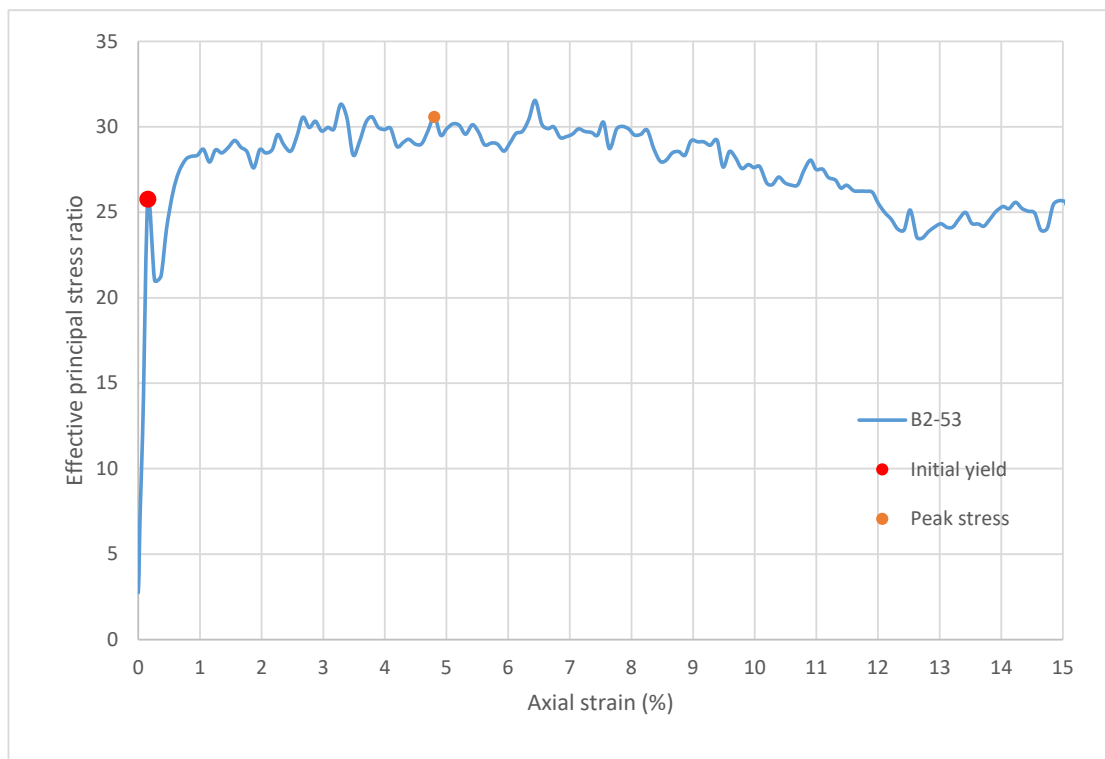
Strain rate (%/min):	0.2
Mean σ'_3 (psi):	3.0
Initial modulus (psi):	47250
Initial yield	
Time to failure (min):	0.8
Axial strain at failure (%):	0.155
σ'_1 (psi):	76.27
σ'_3 (psi):	2.96
$\sigma'_1 - \sigma'_3$ (psi):	73.31
σ'_1 / σ'_3 :	25.76
p' (psi):	39.61
q (psi):	36.65
Volumetric strain (%):	0.077
Poisson's ratio:	0.252
Peak stress	
Time to failure (min):	24.0
Axial strain at failure (%):	4.802
σ'_1 (psi):	93.39
σ'_3 (psi):	3.05
$\sigma'_1 - \sigma'_3$ (psi):	90.34
σ'_1 / σ'_3 :	30.58
p' (psi):	48.22
q (psi):	45.17
Volumetric strain (%):	4.312
Poisson's ratio:	0.051



Sample ID: **B2-53**



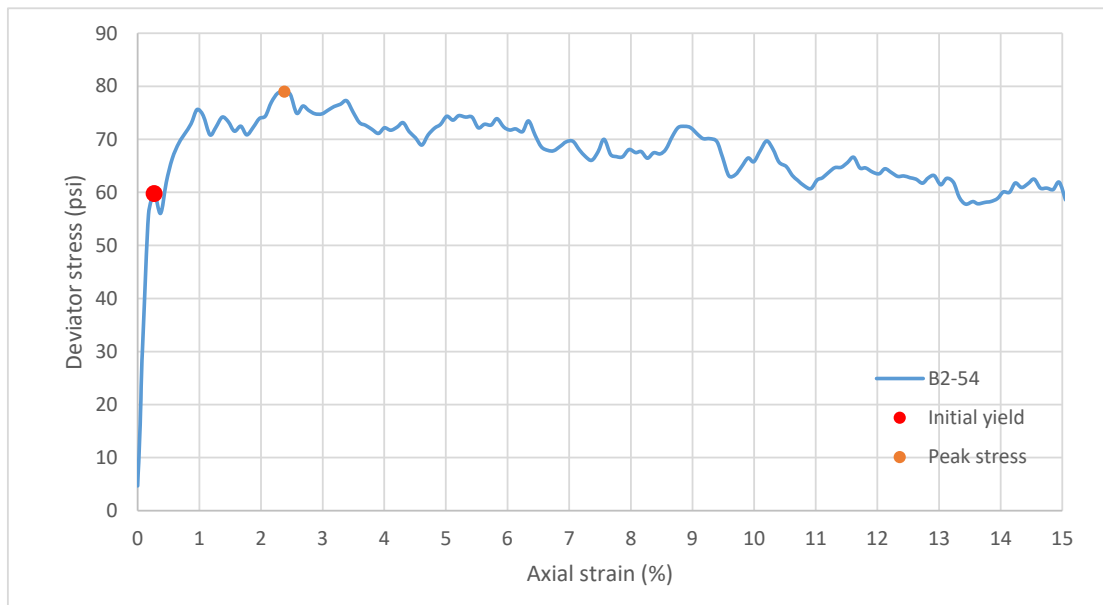
Sample ID: B2-53



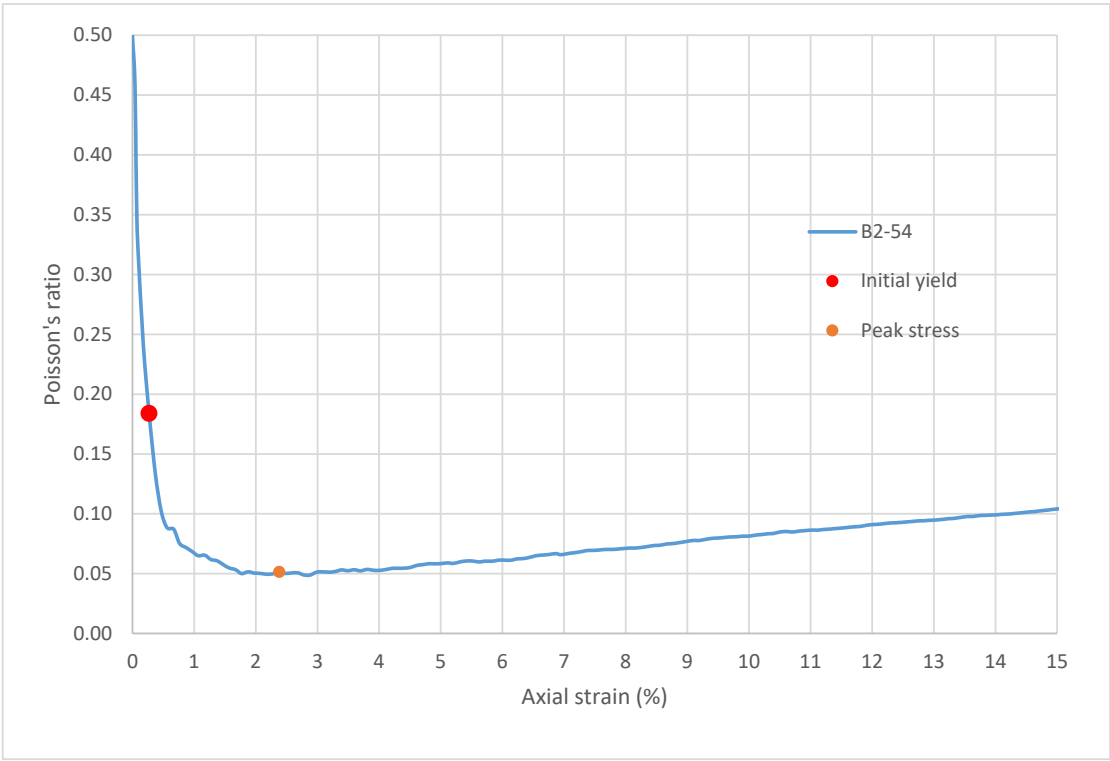
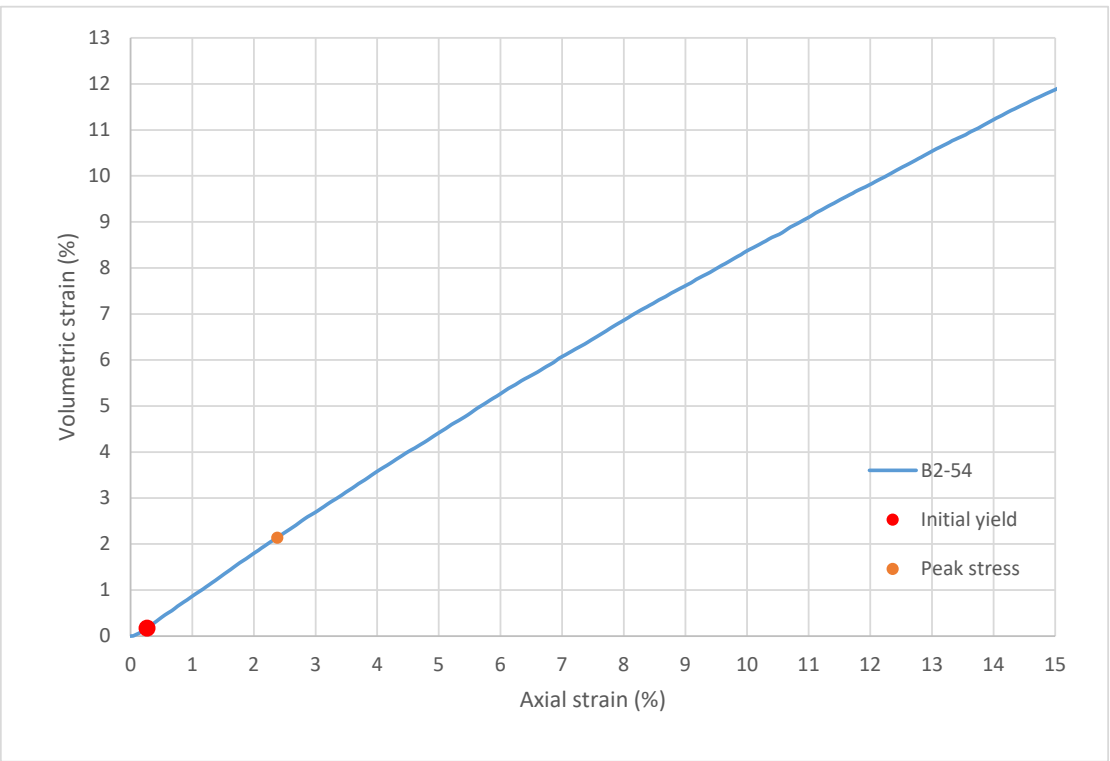
Consolidated-Drained Triaxial Shear, Lightweight Cellular Concrete

Sample ID:	B2-54
Height (in):	5.472
Height (mm):	139.0
Diameter (in):	2.970
Diameter (mm):	75.43
Area (in ²):	6.926
Area (mm ²):	4468
Mass (g):	281.76
Weight (lb):	0.6212
Weight (kN):	0.002763
Volume (in ³):	37.90
Volume (mm ³):	621078
Density (g/mm ³):	0.0004537
Density (kg/m ³):	453.7
Unit weight (pcf):	28.32
Dry unit weight (pcf):	19.64
Unit Weight (kN/m ³):	4.449
Wet mass + tare (g):	388.66
Dry mass + tare (g):	307.29
Tare (g):	123.25
Water content (%):	44.21
Saturation (%):	15.76
H:D ratio:	1.843
Age (days):	1065
Treatment:	D1

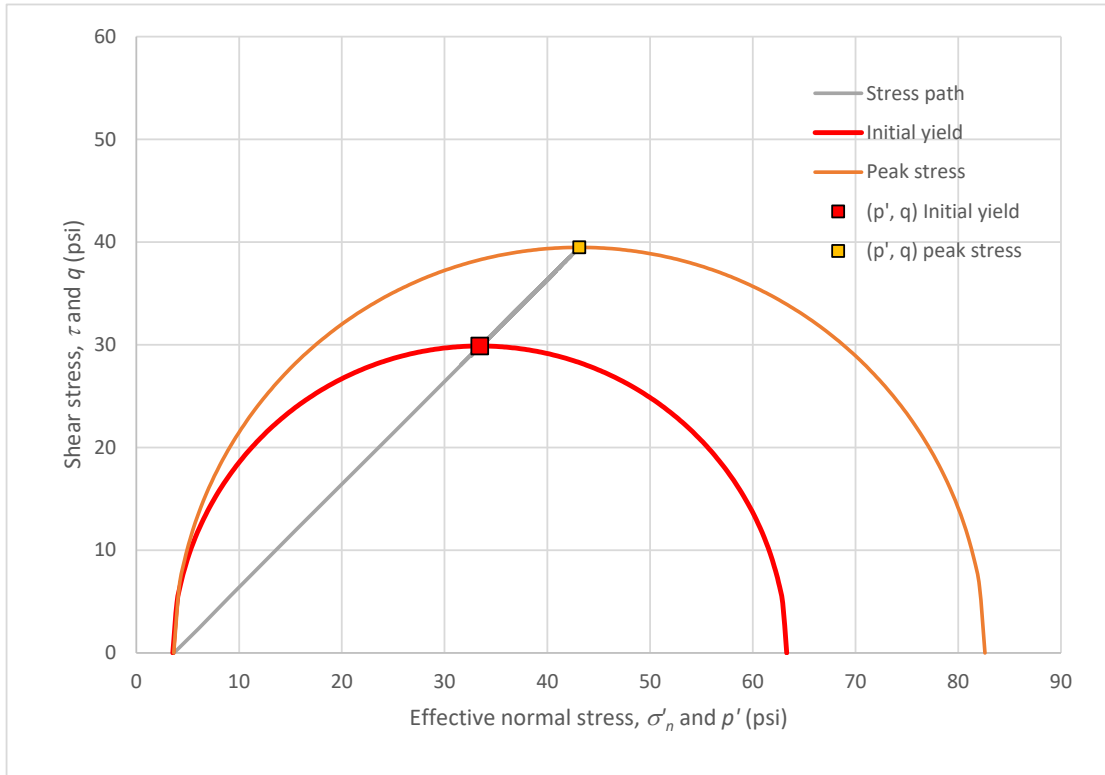
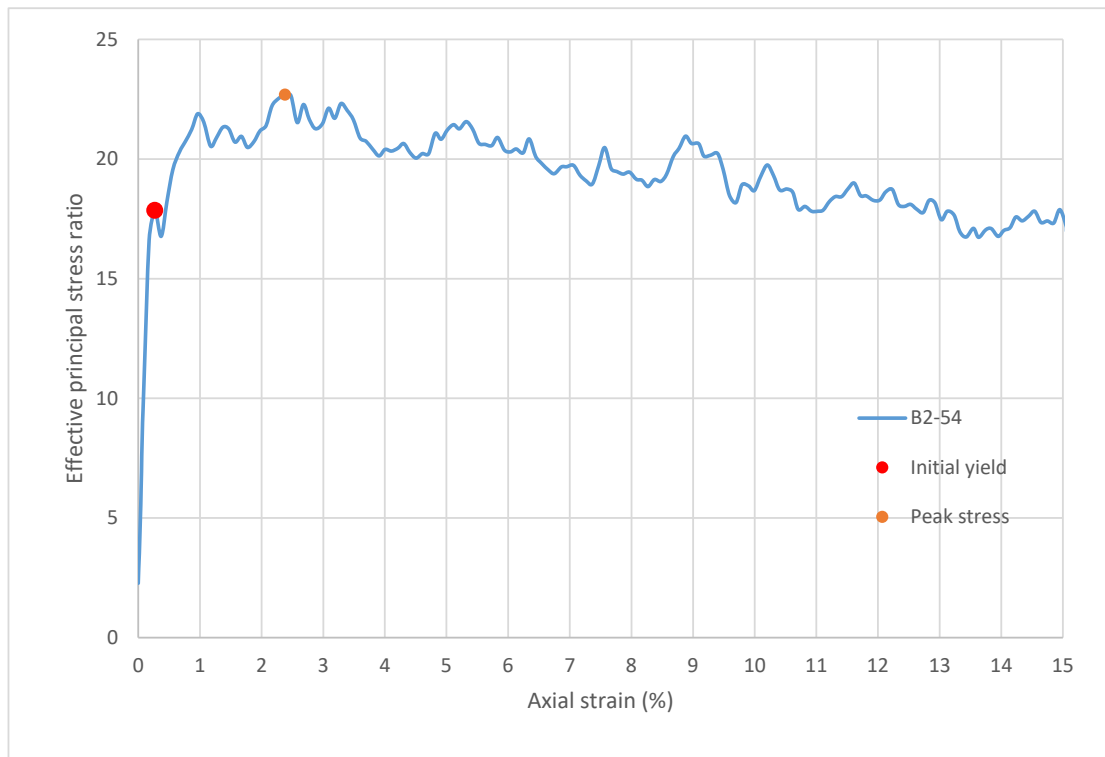
Strain rate (%/min):	0.2
Mean σ'_3 (psi):	3.7
Initial modulus (psi):	22244
Initial yield	
Time to failure (min):	1.3
Axial strain at failure (%):	0.269
σ'_1 (psi):	63.31
σ'_3 (psi):	3.55
$\sigma'_1 - \sigma'_3$ (psi):	59.76
σ'_1 / σ'_3 :	17.86
p' (psi):	33.43
q (psi):	29.88
Volumetric strain (%):	0.170
Poisson's ratio:	0.184
Peak stress	
Time to failure (min):	11.9
Axial strain at failure (%):	2.380
σ'_1 (psi):	82.60
σ'_3 (psi):	3.64
$\sigma'_1 - \sigma'_3$ (psi):	78.96
σ'_1 / σ'_3 :	22.69
p' (psi):	43.12
q (psi):	39.48
Volumetric strain (%):	2.135
Poisson's ratio:	0.051



Sample ID: **B2-54**



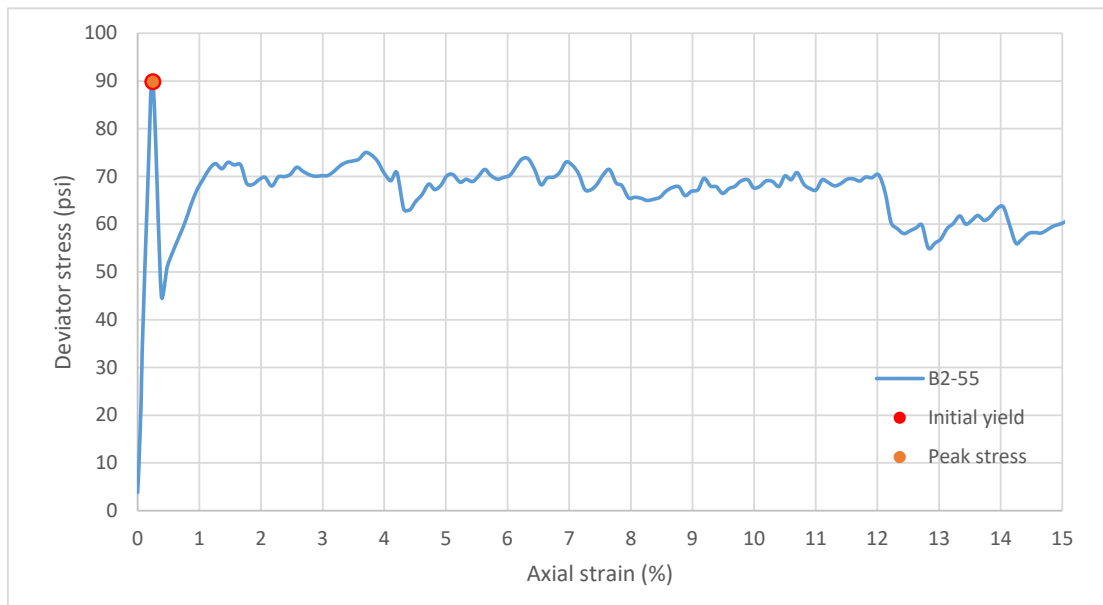
Sample ID: B2-54



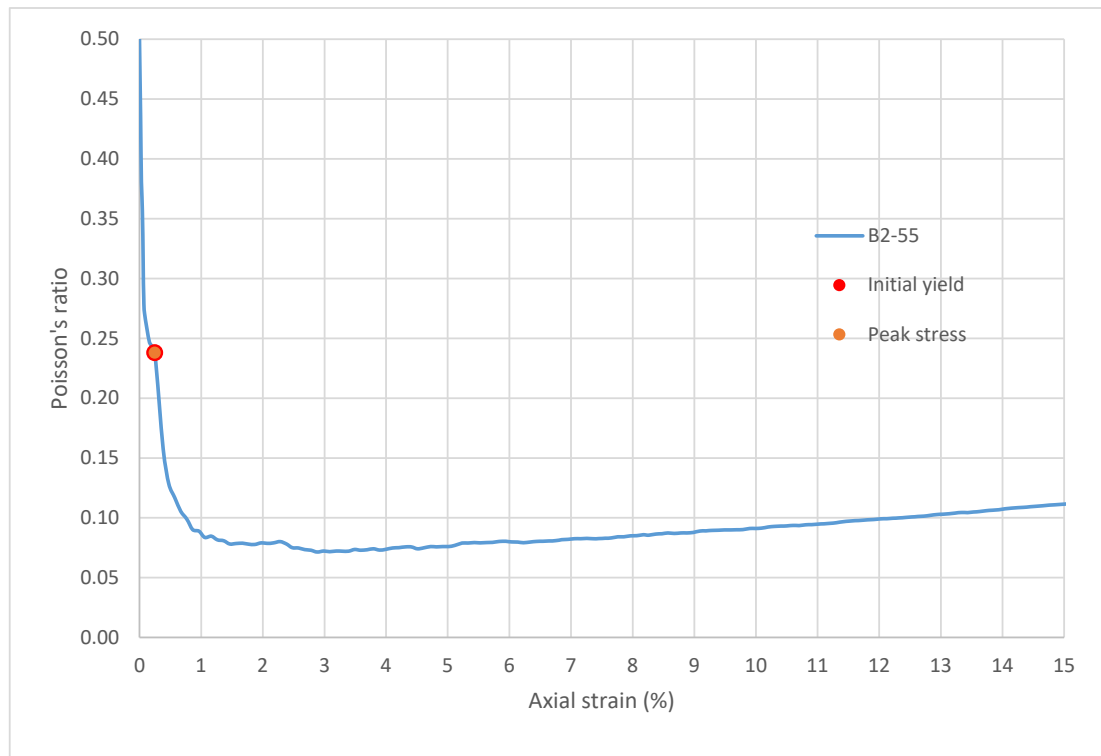
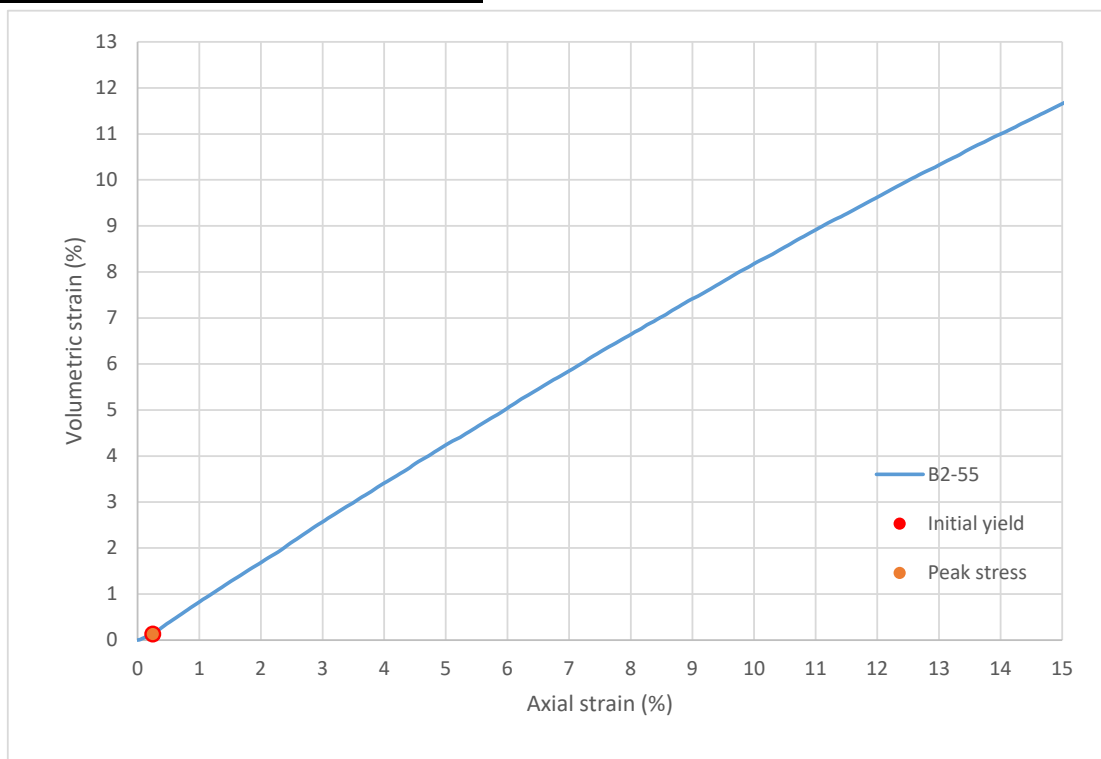
Consolidated-Drained Triaxial Shear, Lightweight Cellular Concrete

Sample ID:	B2-55
Height (in):	5.512
Height (mm):	140.0
Diameter (in):	2.961
Diameter (mm):	75.20
Area (in ²):	6.885
Area (mm ²):	4442
Mass (g):	297.01
Weight (lb):	0.6548
Weight (kN):	0.002913
Volume (in ³):	37.95
Volume (mm ³):	621888
Density (g/mm ³):	0.0004776
Density (kg/m ³):	477.6
Unit weight (pcf):	29.82
Dry unit weight (pcf):	19.94
Unit Weight (kN/m ³):	4.684
Wet mass + tare (g):	391.48
Dry mass + tare (g):	304.19
Tare (g):	128.04
Water content (%)	49.55
Saturation (%)	17.97
H:D ratio:	1.862
Age (days):	1065
Treatment:	D1

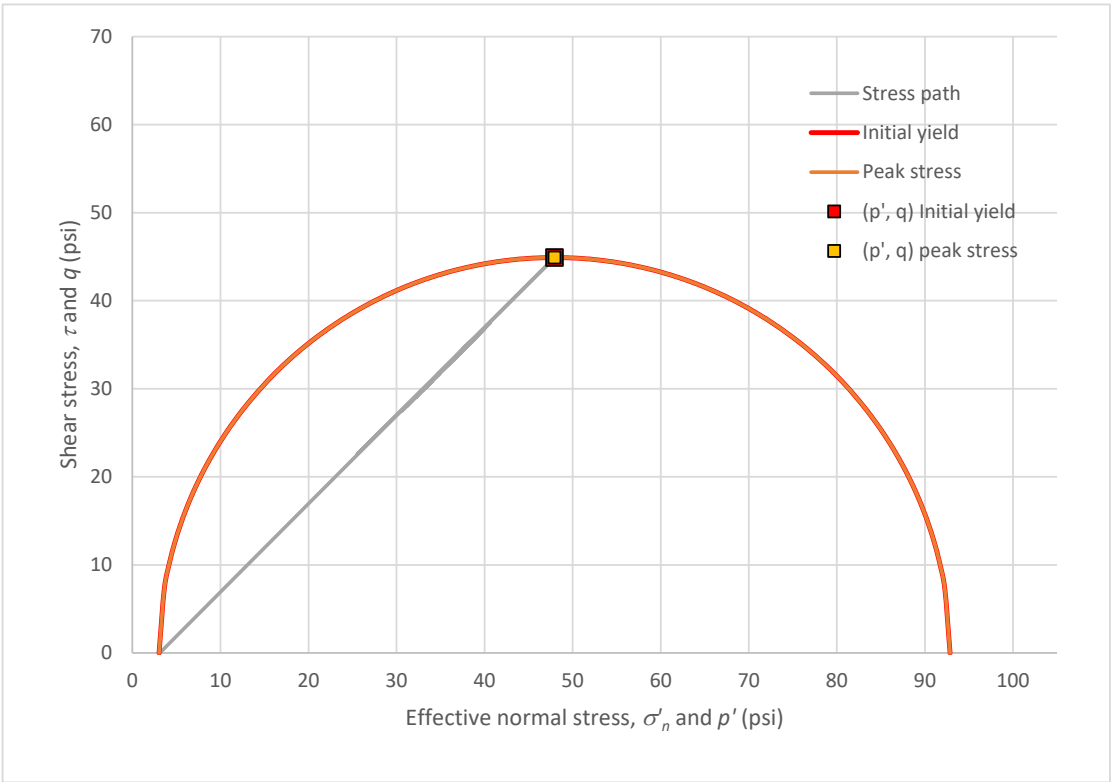
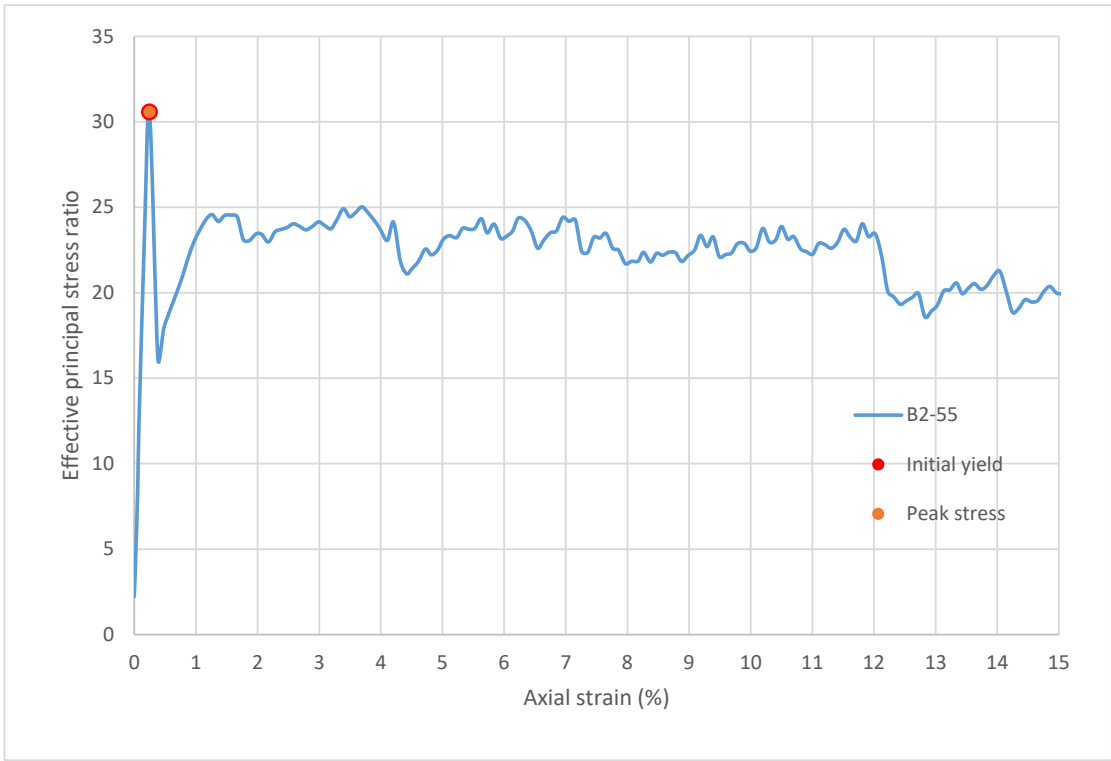
Strain rate (%/min):	0.2
Mean σ'_3 (psi):	3.1
Initial modulus (psi):	36381
Initial yield	
Time to failure (min):	1.2
Axial strain at failure (%):	0.247
σ'_1 (psi):	92.85
σ'_3 (psi):	3.04
$\sigma'_1 - \sigma'_3$ (psi):	89.82
σ'_1 / σ'_3 :	30.58
p' (psi):	47.94
q (psi):	44.91
Volumetric strain (%):	0.129
Poisson's ratio:	0.238
Peak stress	
Time to failure (min):	1.2
Axial strain at failure (%):	0.247
σ'_1 (psi):	92.85
σ'_3 (psi):	3.04
$\sigma'_1 - \sigma'_3$ (psi):	89.82
σ'_1 / σ'_3 :	30.58
p' (psi):	47.94
q (psi):	44.91
Volumetric strain (%):	0.129
Poisson's ratio:	0.238



Sample ID: B2-55



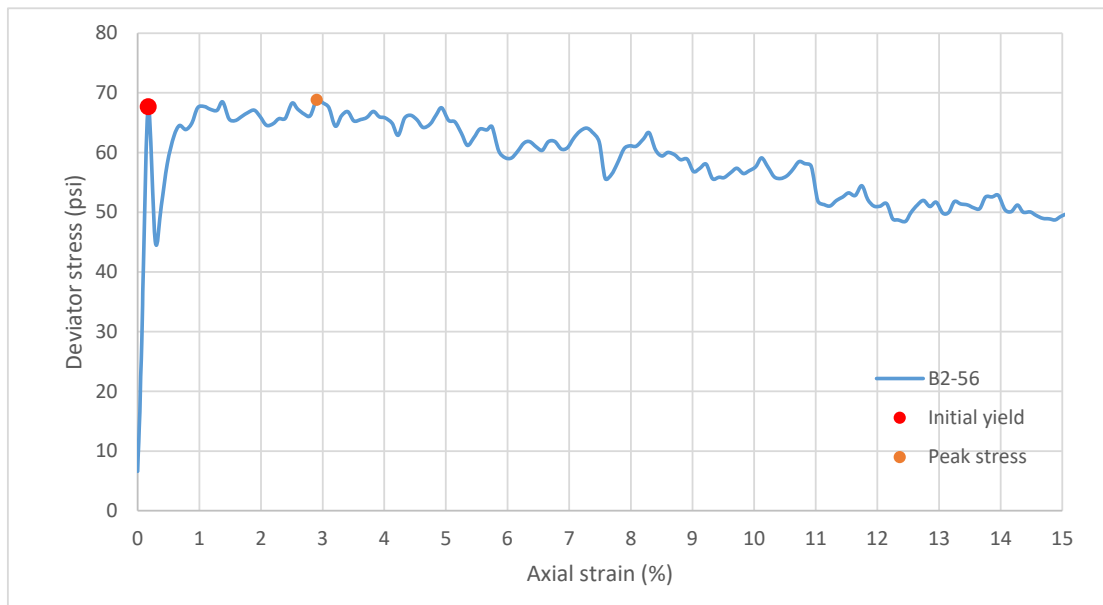
Sample ID: **B2-55**



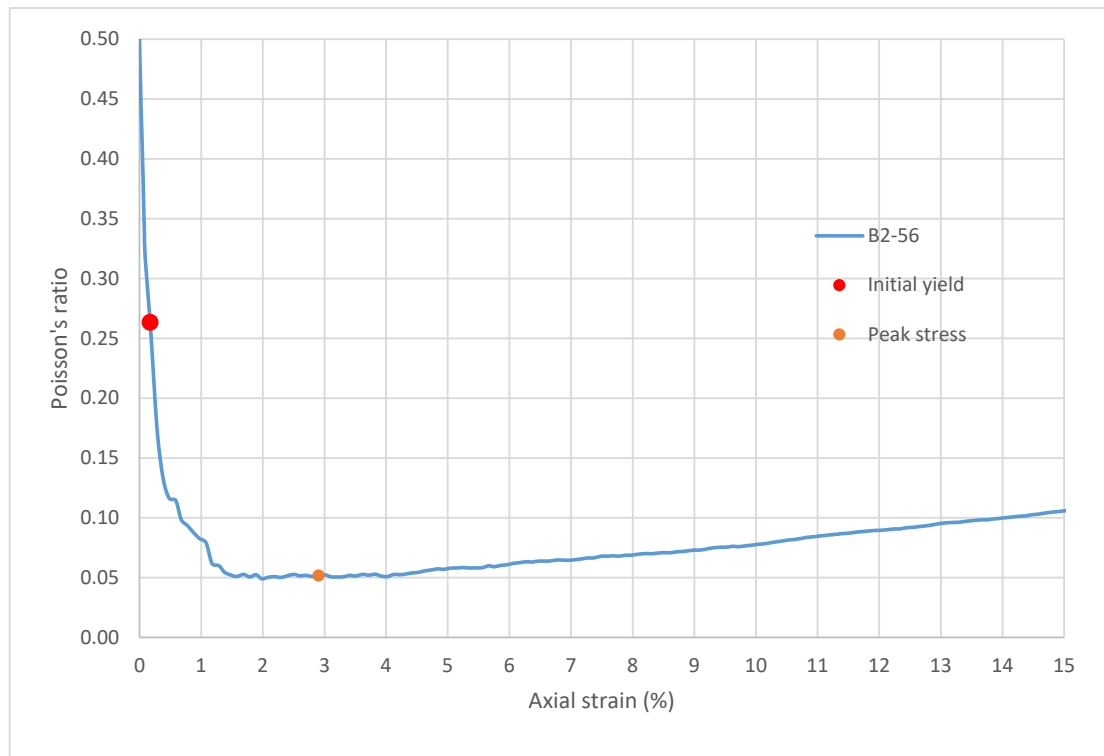
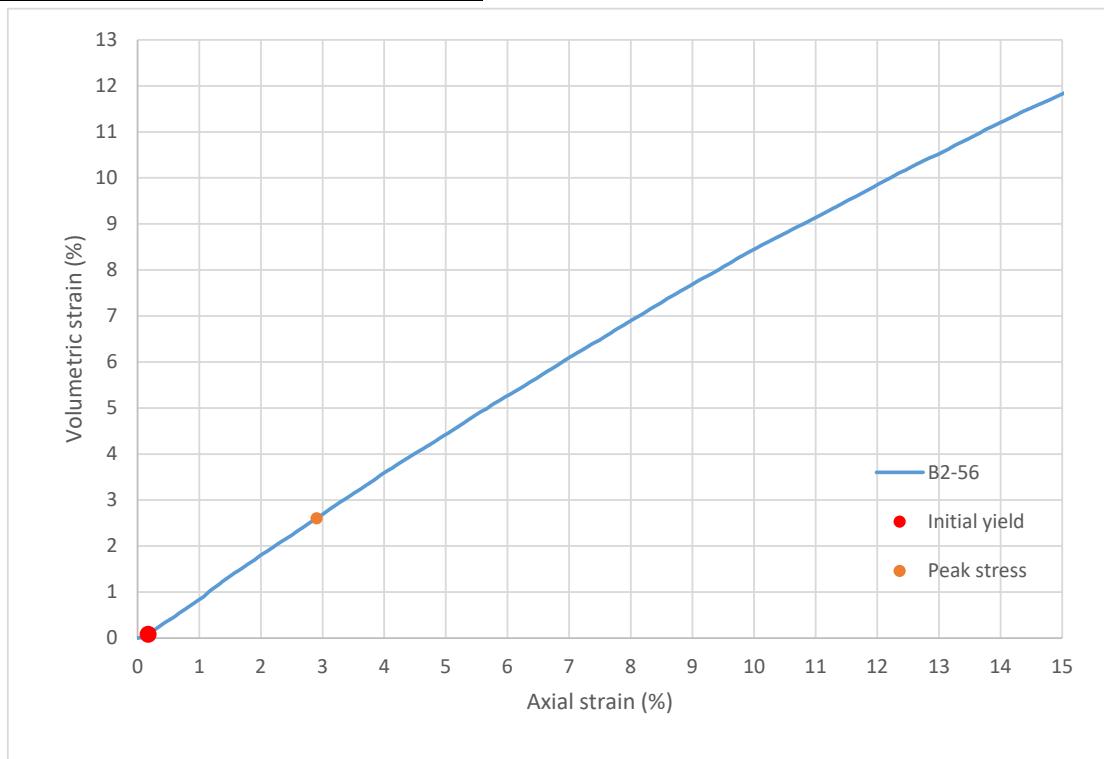
Consolidated-Drained Triaxial Shear, Lightweight Cellular Concrete

Sample ID:	B2-56
Height (in):	5.433
Height (mm):	138.0
Diameter (in):	2.965
Diameter (mm):	75.31
Area (in ²):	6.904
Area (mm ²):	4454
Mass (g):	284.44
Weight (lb):	0.6271
Weight (kN):	0.002789
Volume (in ³):	37.51
Volume (mm ³):	614670
Density (g/mm ³):	0.0004628
Density (kg/m ³):	462.8
Unit weight (pcf):	28.89
Dry unit weight (pcf):	20.27
Unit Weight (kN/m ³):	4.538
Wet mass + tare (g):	344.67
Dry mass + tare (g):	280.32
Tare (g):	128.87
Water content (%):	42.49
Saturation (%):	15.71
H:D ratio:	1.833
Age (days):	1065
Treatment:	D1

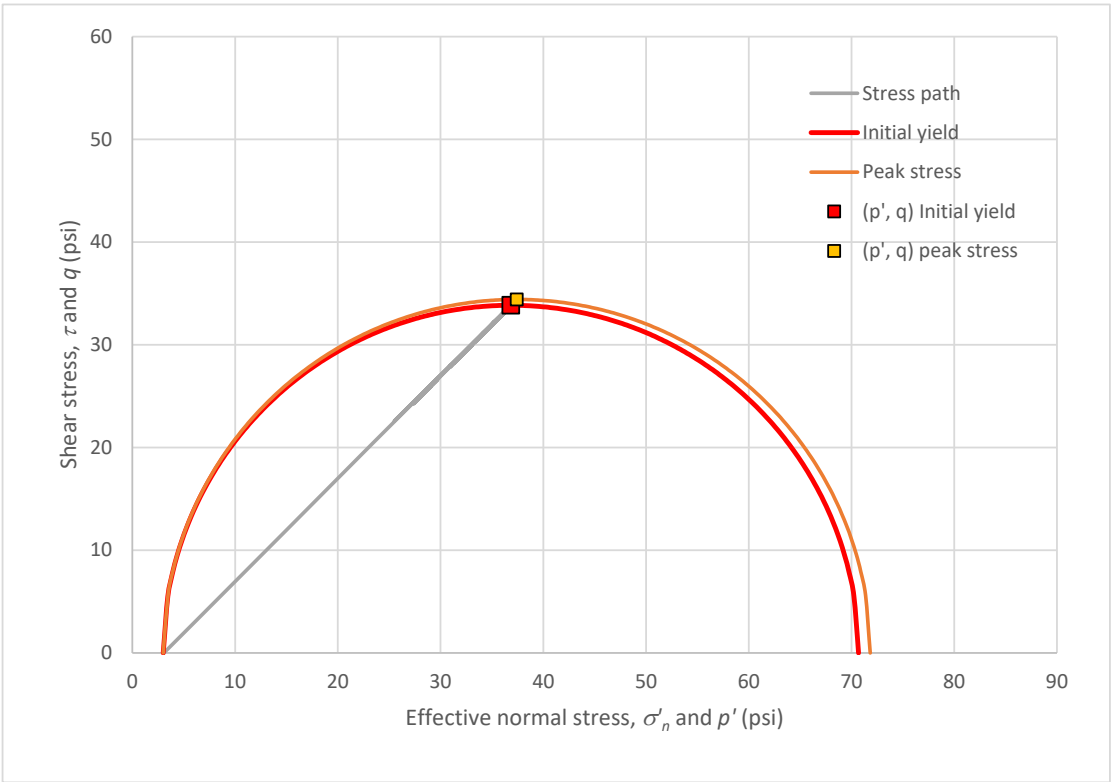
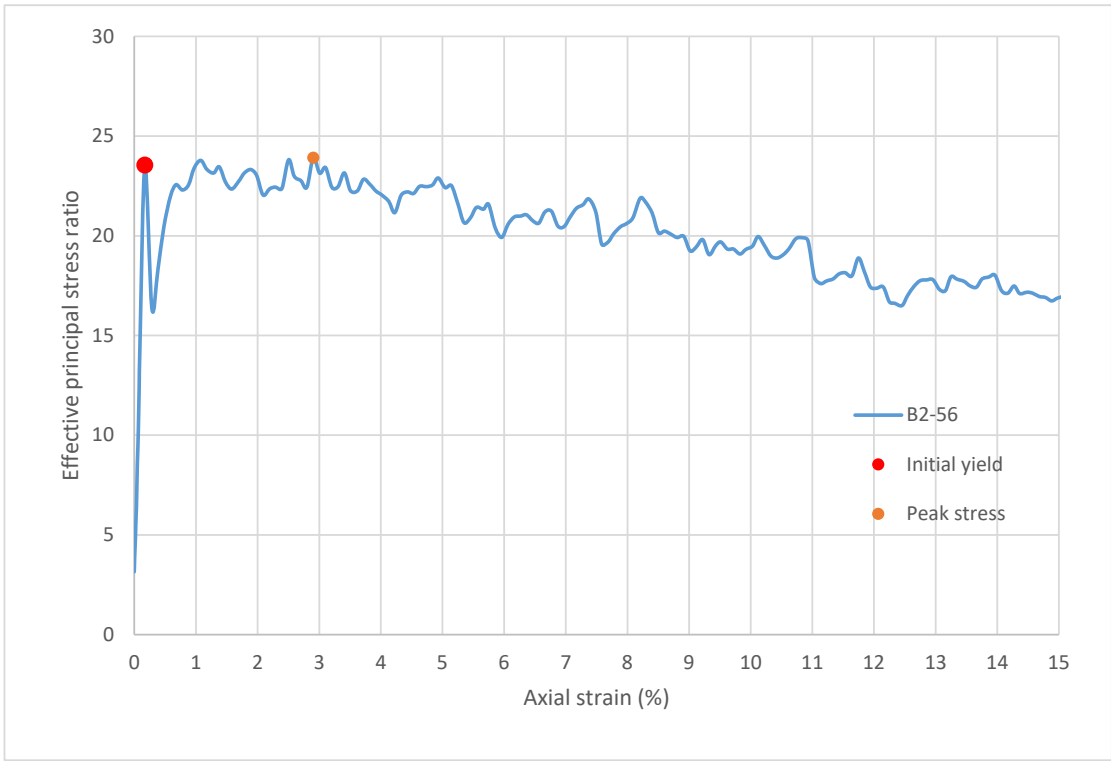
Strain rate (%/min):	0.2
Mean σ'_3 (psi):	3.1
Initial modulus (psi):	39325
Initial yield	
Time to failure (min):	0.9
Axial strain at failure (%):	0.172
σ'_1 (psi):	70.69
σ'_3 (psi):	3.00
$\sigma'_1 - \sigma'_3$ (psi):	67.69
σ'_1 / σ'_3 :	23.55
p' (psi):	36.85
q (psi):	33.84
Volumetric strain (%):	0.081
Poisson's ratio:	0.263
Peak stress	
Time to failure (min):	14.5
Axial strain at failure (%):	2.904
σ'_1 (psi):	71.83
σ'_3 (psi):	3.00
$\sigma'_1 - \sigma'_3$ (psi):	68.82
σ'_1 / σ'_3 :	23.92
p' (psi):	37.41
q (psi):	34.41
Volumetric strain (%):	2.603
Poisson's ratio:	0.052



Sample ID: B2-56



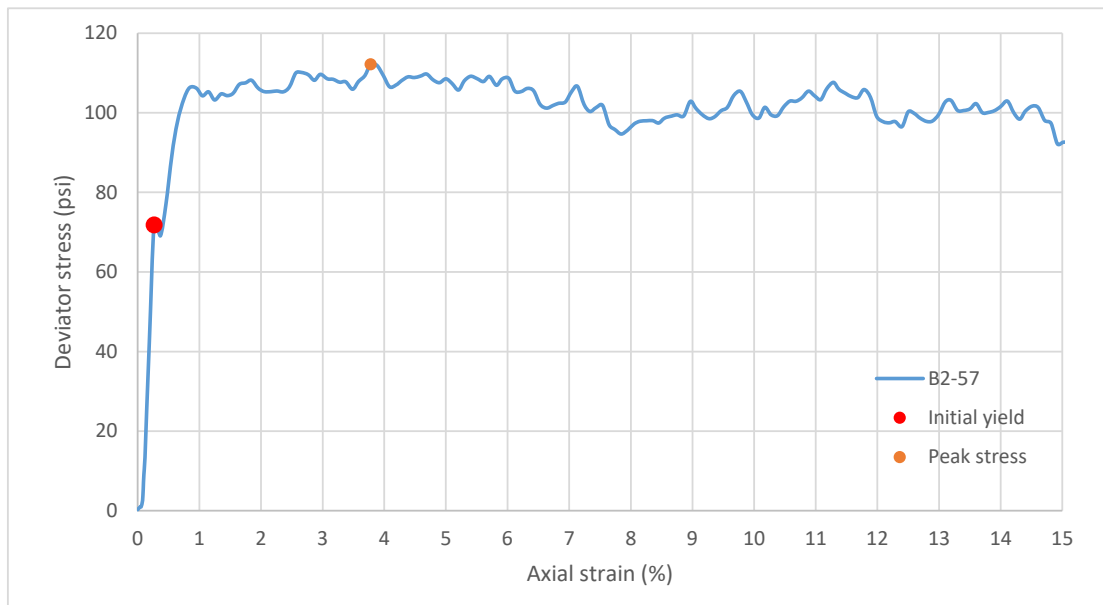
Sample ID: **B2-56**

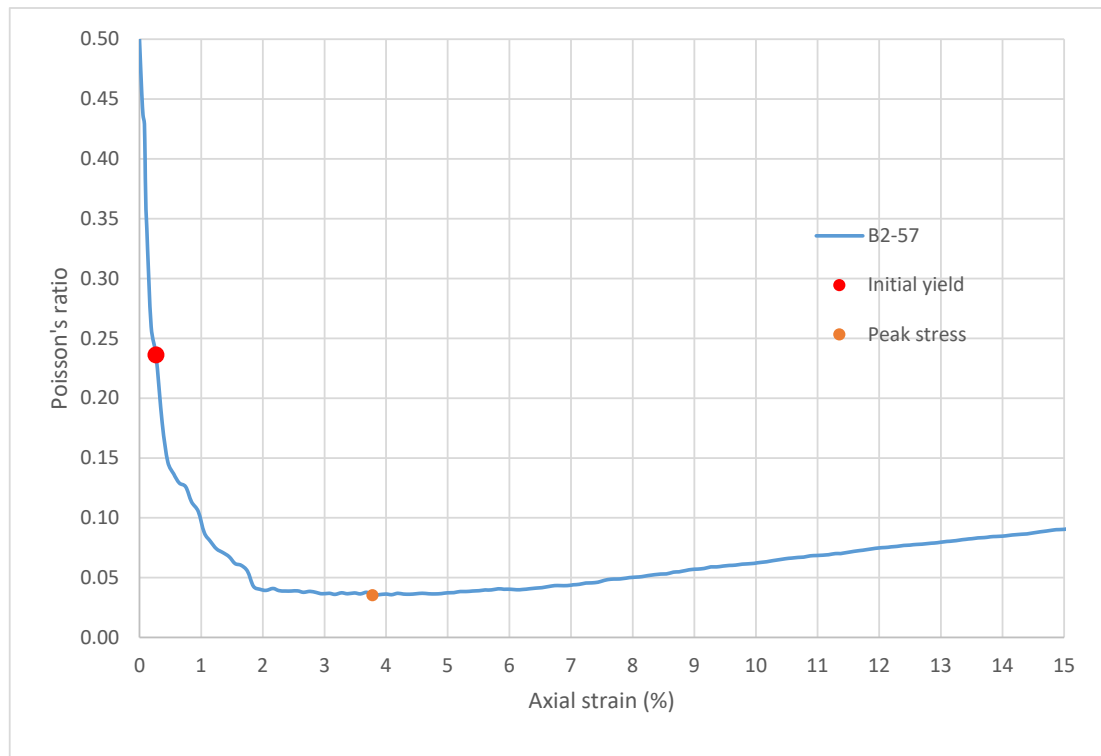
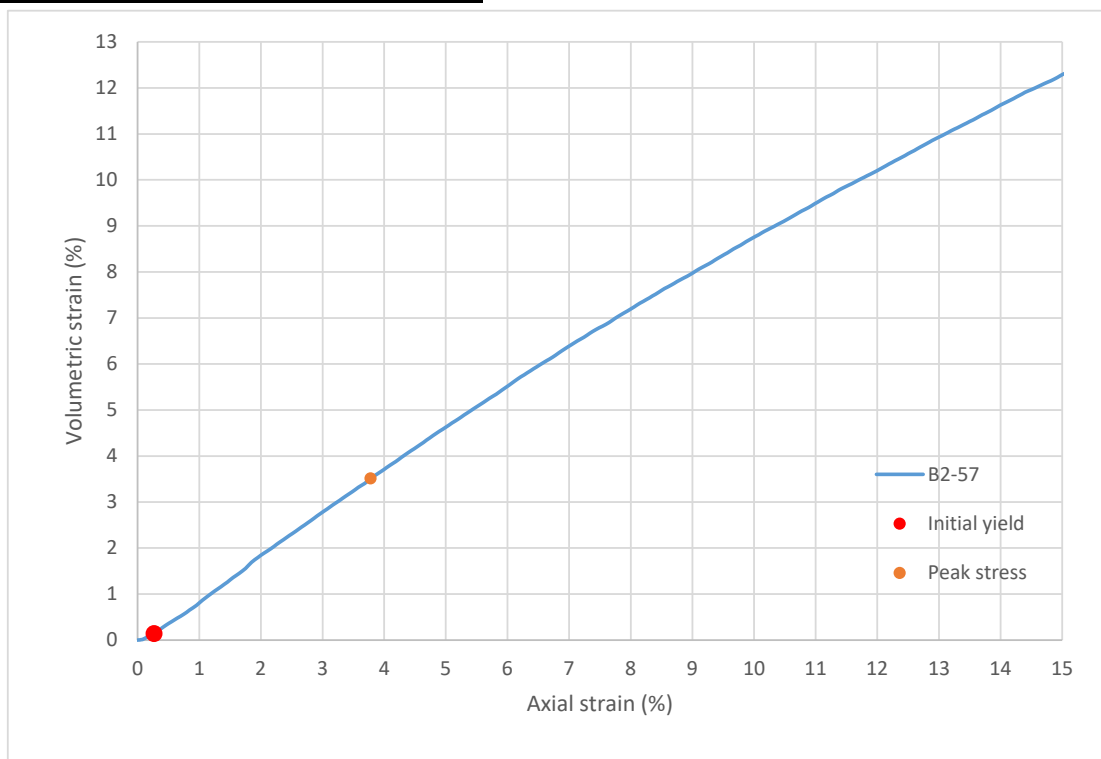


Consolidated-Drained Triaxial Shear, Lightweight Cellular Concrete

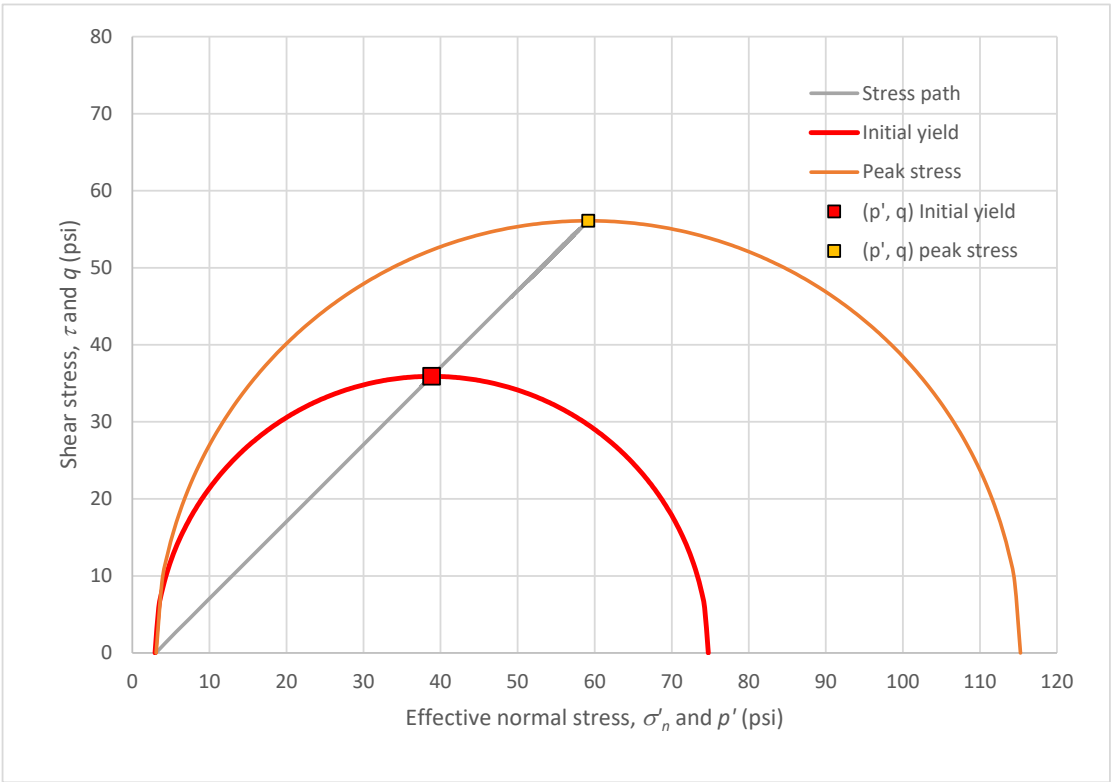
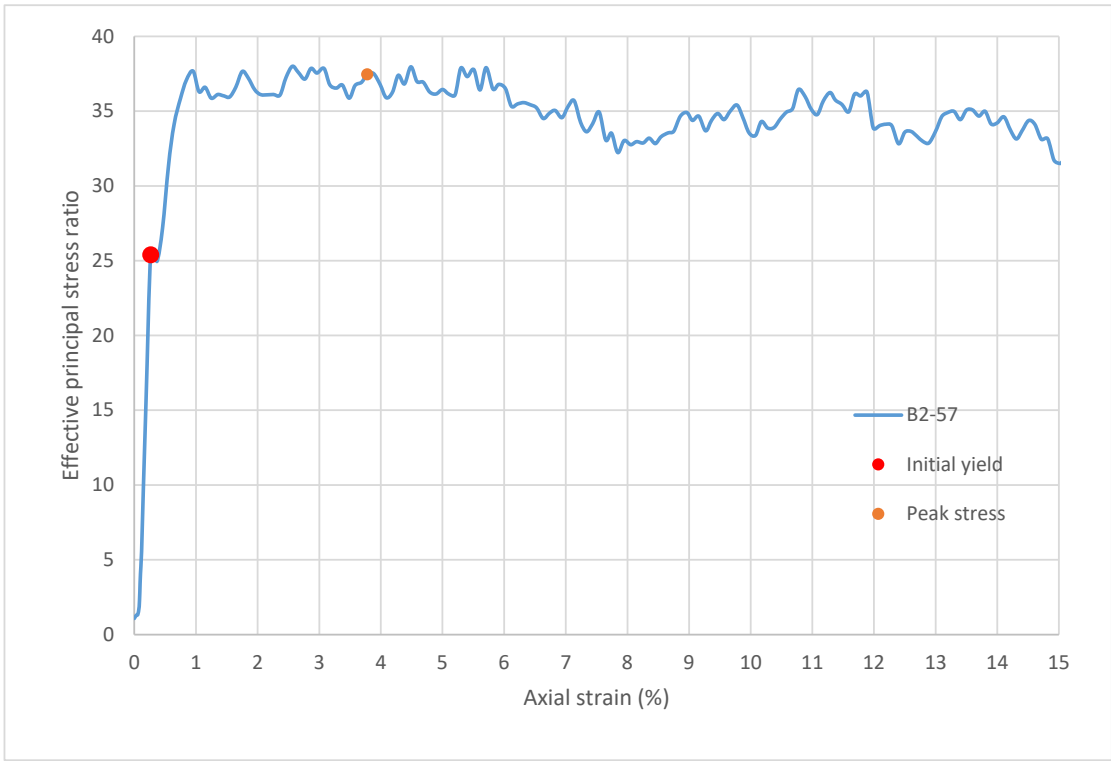
Sample ID:	B2-57
Height (in):	5.531
Height (mm):	140.5
Diameter (in):	2.955
Diameter (mm):	75.07
Area (in ²):	6.860
Area (mm ²):	4426
Mass (g):	285.34
Weight (lb):	0.6291
Weight (kN):	0.002798
Volume (in ³):	37.94
Volume (mm ³):	621785
Density (g/mm ³):	0.0004589
Density (kg/m ³):	458.9
Unit weight (pcf):	28.65
Dry unit weight (pcf):	19.80
Unit Weight (kN/m ³):	4.500
Wet mass + tare (g):	387.02
Dry mass + tare (g):	307.13
Tare (g):	128.28
Water content (%):	44.67
Saturation (%):	16.08
H:D ratio:	1.871
Age (days):	1070
Treatment:	W1

Strain rate (%/min):	0.2
Mean σ'_3 (psi):	3.0
Initial modulus (psi):	26842
Initial yield	
Time to failure (min):	1.3
Axial strain at failure (%):	0.268
σ'_1 (psi):	74.75
σ'_3 (psi):	2.94
$\sigma'_1 - \sigma'_3$ (psi):	71.81
σ'_1 / σ'_3 :	25.39
p' (psi):	38.85
q (psi):	35.90
Volumetric strain (%):	0.141
Poisson's ratio:	0.236
Peak stress	
Time to failure (min):	18.9
Axial strain at failure (%):	3.779
σ'_1 (psi):	115.27
σ'_3 (psi):	3.08
$\sigma'_1 - \sigma'_3$ (psi):	112.19
σ'_1 / σ'_3 :	37.46
p' (psi):	59.17
q (psi):	56.09
Volumetric strain (%):	3.513
Poisson's ratio:	0.035



Sample ID: **B2-57**

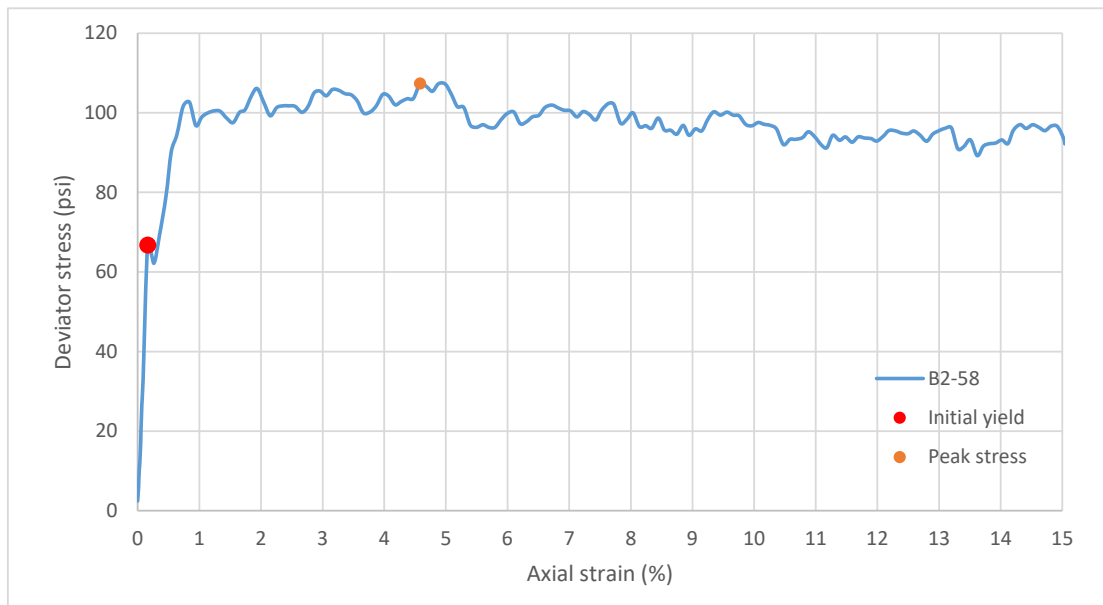
Sample ID: **B2-57**



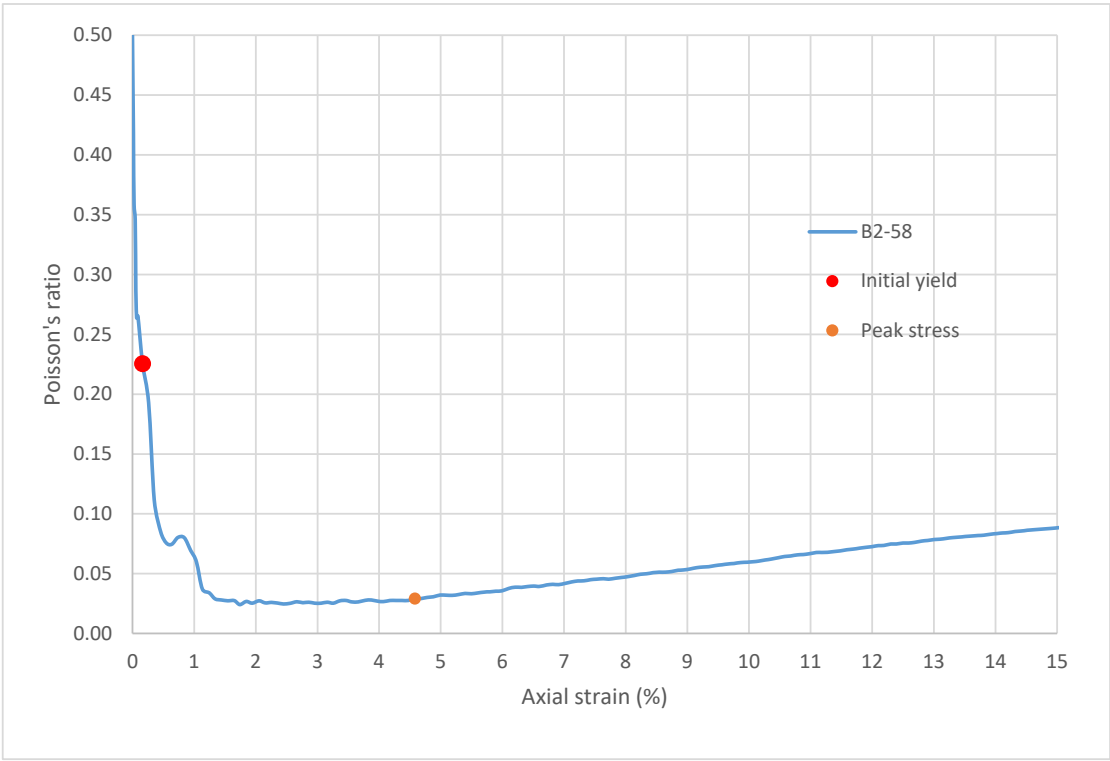
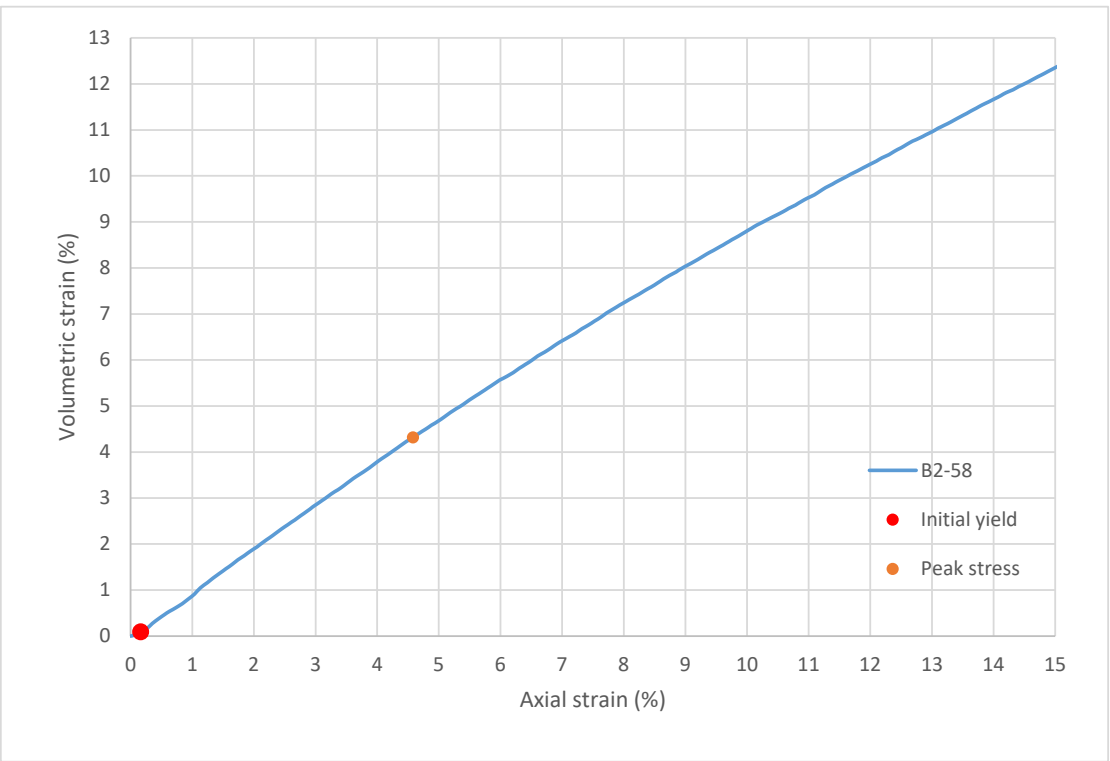
Consolidated-Drained Triaxial Shear, Lightweight Cellular Concrete

Sample ID:	B2-58
Height (in):	5.522
Height (mm):	140.3
Diameter (in):	2.959
Diameter (mm):	75.16
Area (in ²):	6.876
Area (mm ²):	4436
Mass (g):	283.26
Weight (lb):	0.6245
Weight (kN):	0.002778
Volume (in ³):	37.97
Volume (mm ³):	622184
Density (g/mm ³):	0.0004553
Density (kg/m ³):	455.3
Unit weight (pcf):	28.42
Dry unit weight (pcf):	19.70
Unit Weight (kN/m ³):	4.465
Wet mass + tare (g):	384.40
Dry mass + tare (g):	305.80
Tare (g):	128.28
Water content (%):	44.28
Saturation (%):	15.84
H:D ratio:	1.866
Age (days):	1070
Treatment:	W1

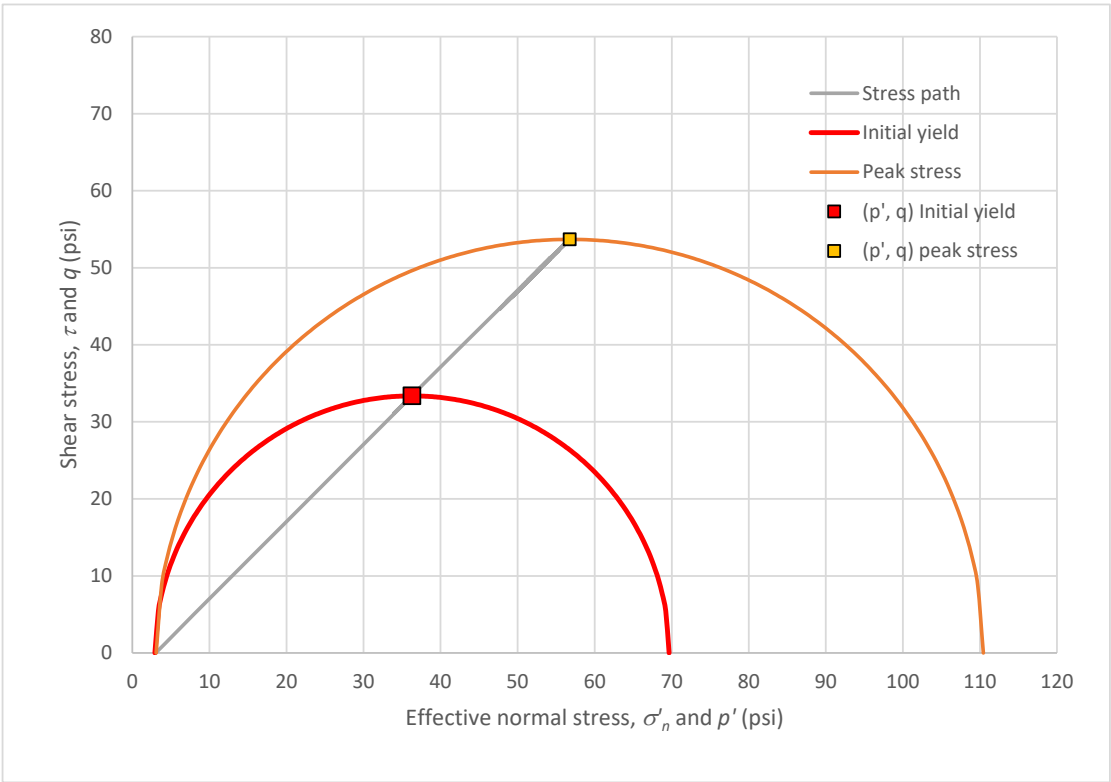
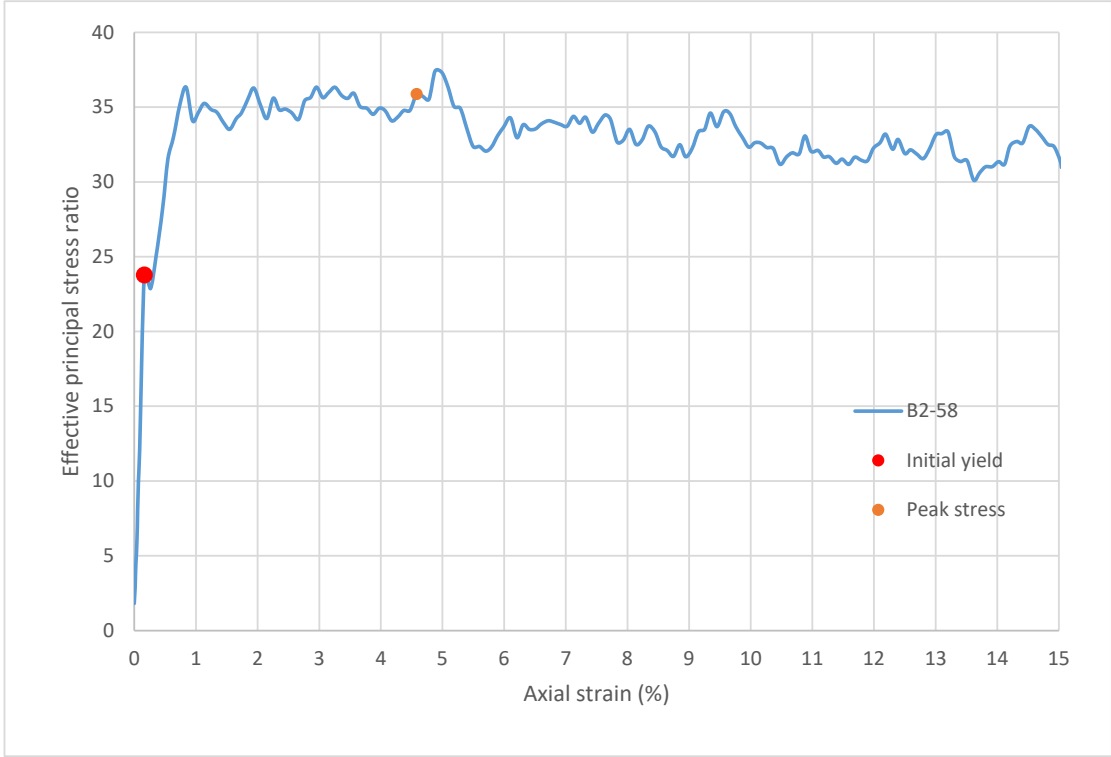
Strain rate (%/min):	0.2
Mean σ'_3 (psi):	3.0
Initial modulus (psi):	40834
Initial yield	
Time to failure (min):	0.8
Axial strain at failure (%):	0.163
σ'_1 (psi):	69.66
σ'_3 (psi):	2.93
$\sigma'_1 - \sigma'_3$ (psi):	66.73
σ'_1 / σ'_3 :	23.77
p' (psi):	36.30
q (psi):	33.37
Volumetric strain (%):	0.090
Poisson's ratio:	0.225
Peak stress	
Time to failure (min):	22.9
Axial strain at failure (%):	4.582
σ'_1 (psi):	110.44
σ'_3 (psi):	3.08
$\sigma'_1 - \sigma'_3$ (psi):	107.36
σ'_1 / σ'_3 :	35.88
p' (psi):	56.76
q (psi):	53.68
Volumetric strain (%):	4.315
Poisson's ratio:	0.029



Sample ID: **B2-58**



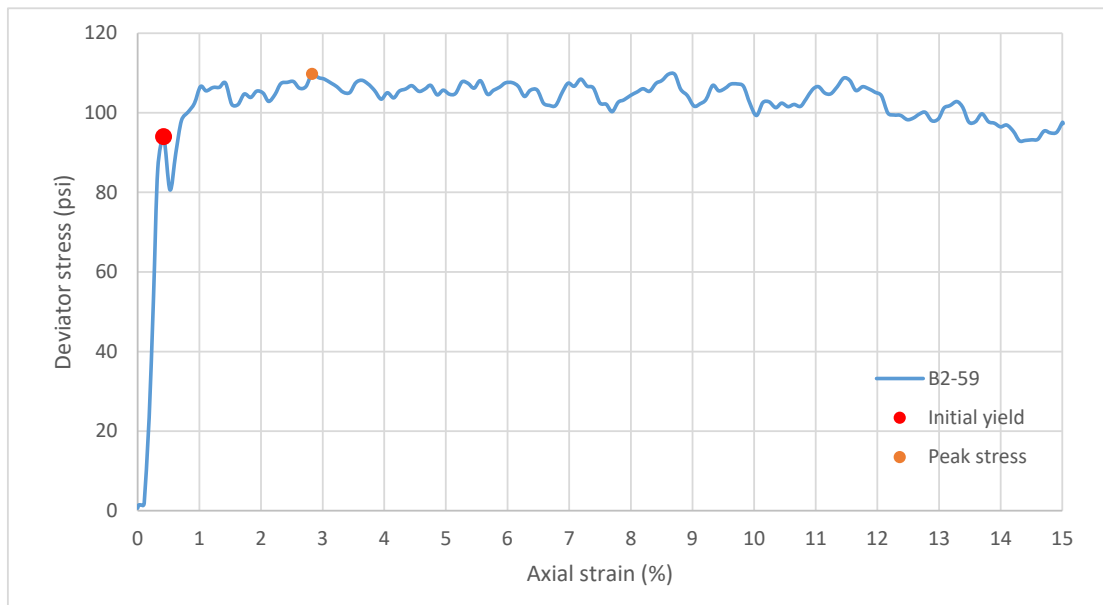
Sample ID: **B2-58**



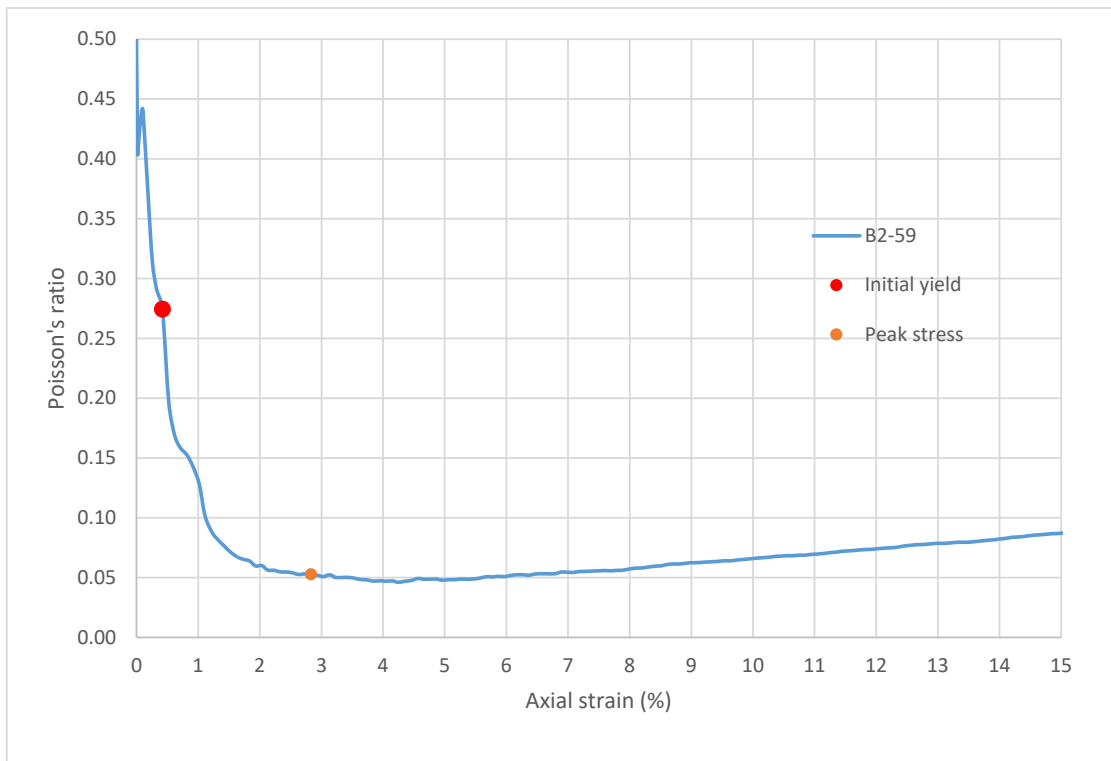
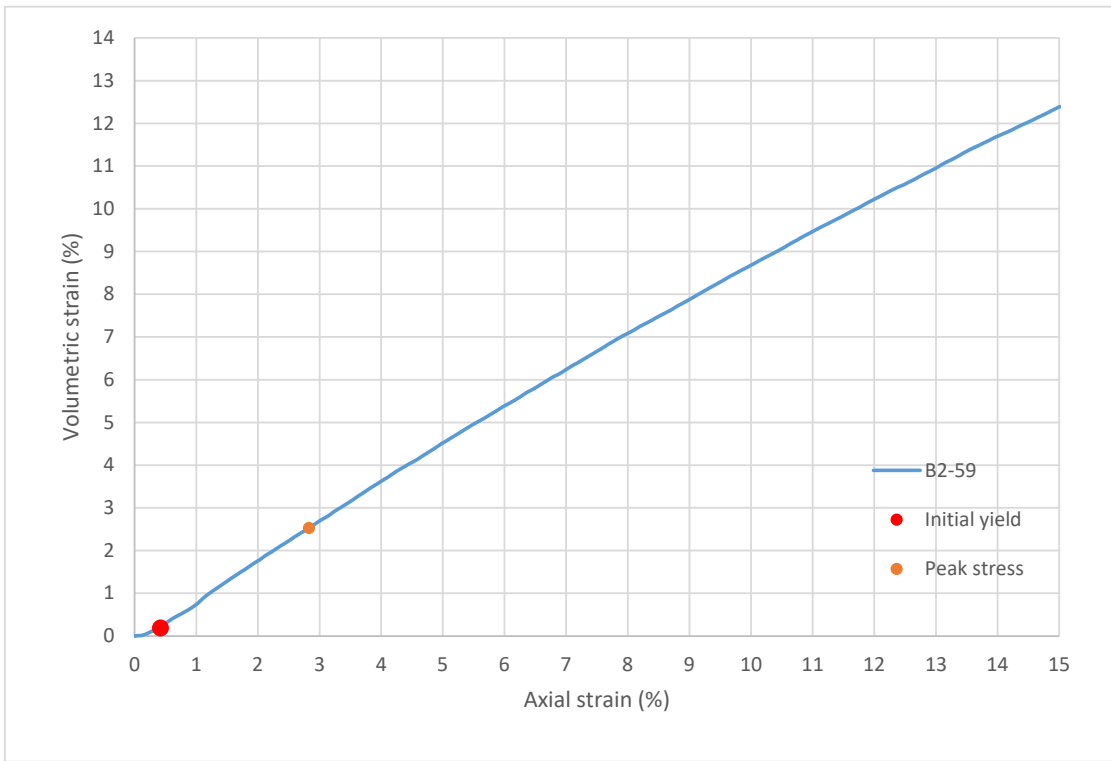
Consolidated-Drained Triaxial Shear, Lightweight Cellular Concrete

Sample ID:	B2-59
Height (in):	5.532
Height (mm):	140.5
Diameter (in):	2.964
Diameter (mm):	75.29
Area (in ²):	6.900
Area (mm ²):	4452
Mass (g):	288.05
Weight (lb):	0.6350
Weight (kN):	0.002825
Volume (in ³):	38.17
Volume (mm ³):	625512
Density (g/mm ³):	0.0004605
Density (kg/m ³):	460.5
Unit weight (pcf):	28.75
Dry unit weight (pcf):	19.32
Unit Weight (kN/m ³):	4.516
Wet mass + tare (g):	392.51
Dry mass + tare (g):	305.78
Tare (g):	128.10
Water content (%):	48.81
Saturation (%):	17.08
H:D ratio:	1.866
Age (days):	1073
Treatment:	W1

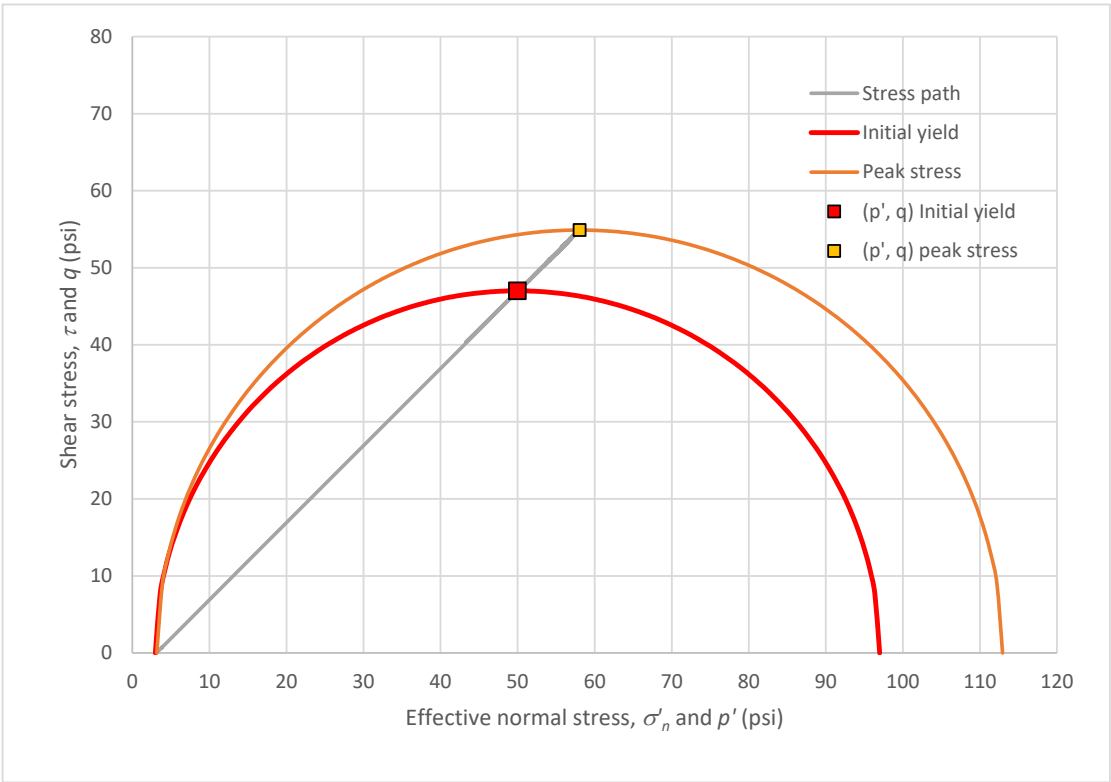
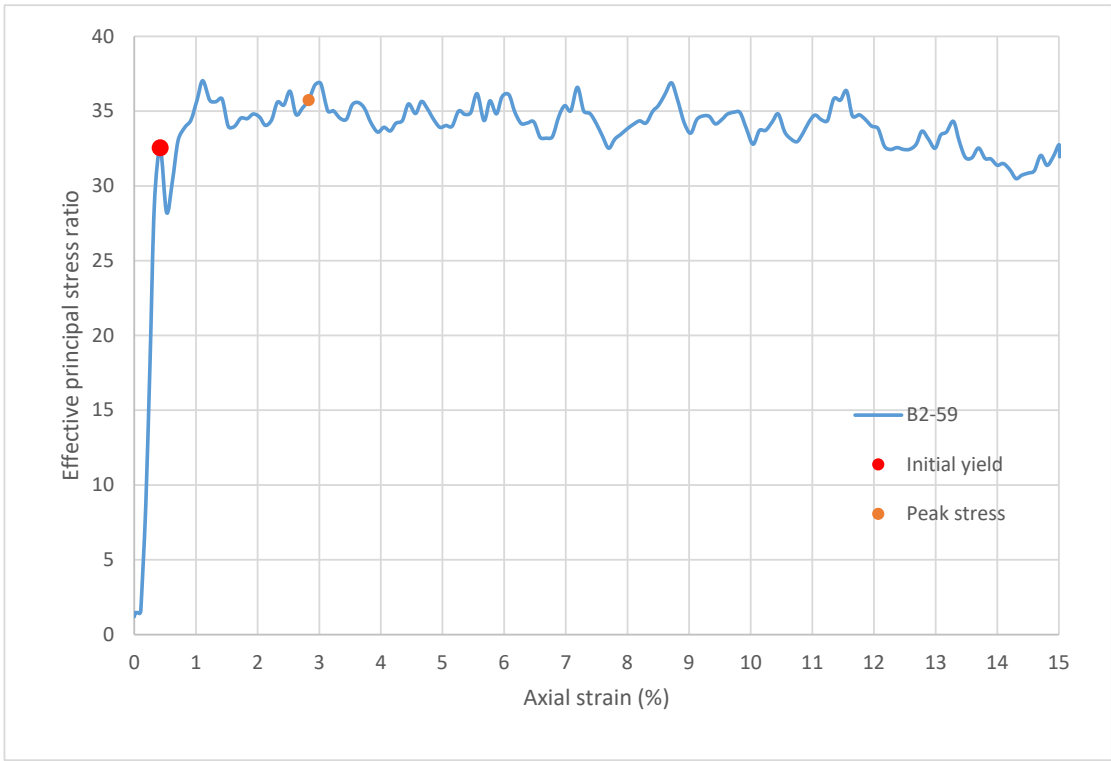
Strain rate (%/min):	0.2
Mean σ'_3 (psi):	3.1
Initial modulus (psi):	22398
Initial yield	
Time to failure (min):	2.1
Axial strain at failure (%):	0.420
σ'_1 (psi):	96.99
σ'_3 (psi):	2.98
$\sigma'_1 - \sigma'_3$ (psi):	94.01
σ'_1 / σ'_3 :	32.55
p' (psi):	49.98
q (psi):	47.00
Volumetric strain (%):	0.189
Poisson's ratio:	0.274
Peak stress	
Time to failure (min):	14.1
Axial strain at failure (%):	2.829
σ'_1 (psi):	112.94
σ'_3 (psi):	3.16
$\sigma'_1 - \sigma'_3$ (psi):	109.78
σ'_1 / σ'_3 :	35.74
p' (psi):	58.05
q (psi):	54.89
Volumetric strain (%):	2.530
Poisson's ratio:	0.053



Sample ID: **B2-59**



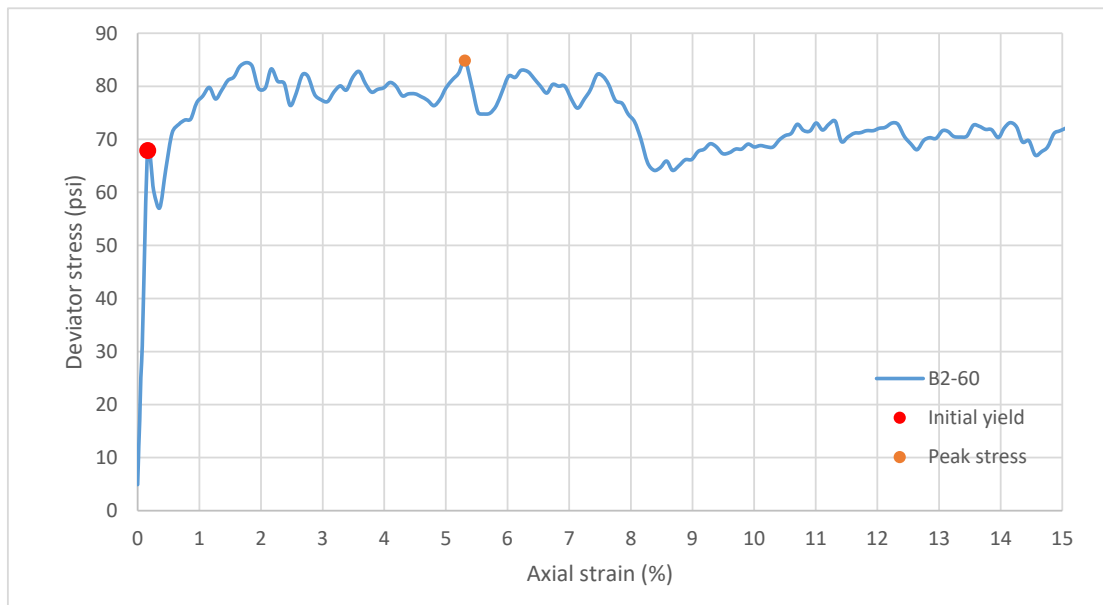
Sample ID: **B2-59**



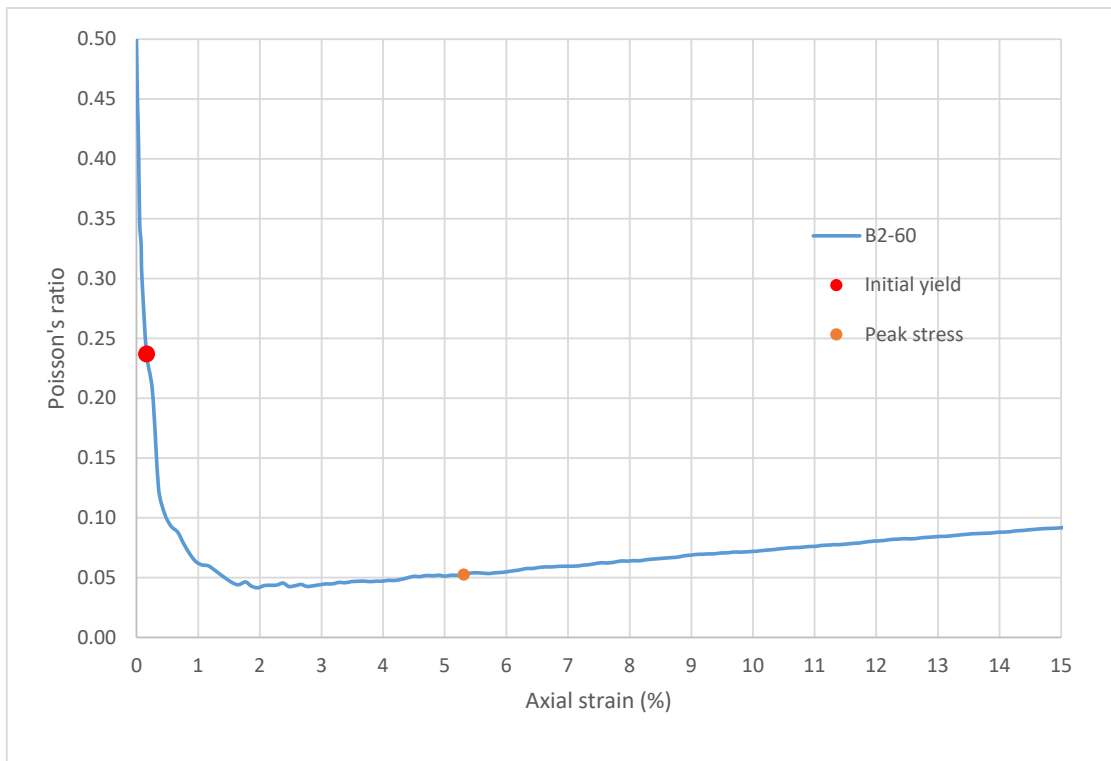
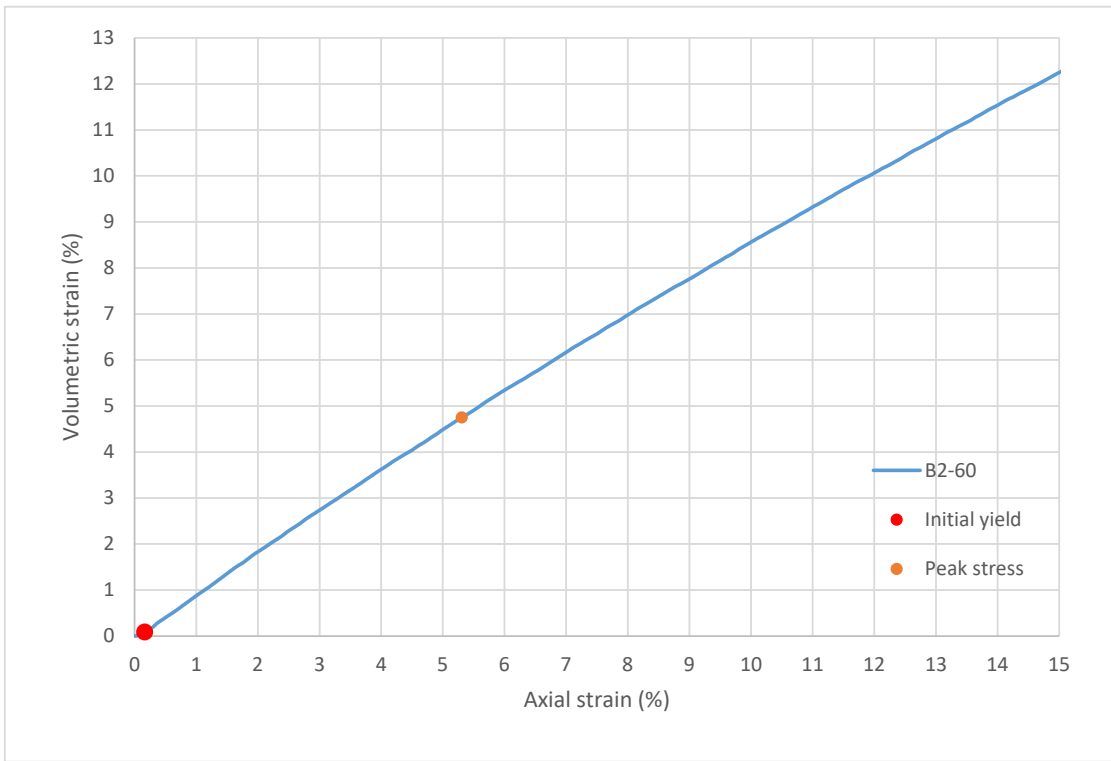
Consolidated-Drained Triaxial Shear, Lightweight Cellular Concrete

Sample ID:	B2-60
Height (in):	5.499
Height (mm):	139.7
Diameter (in):	2.963
Diameter (mm):	75.26
Area (in ²):	6.895
Area (mm ²):	4448
Mass (g):	297.98
Weight (lb):	0.6569
Weight (kN):	0.002922
Volume (in ³):	37.92
Volume (mm ³):	621344
Density (g/mm ³):	0.0004796
Density (kg/m ³):	479.6
Unit weight (pcf):	29.94
Dry unit weight (pcf):	19.74
Unit Weight (kN/m ³):	4.703
Wet mass + tare (g):	404.55
Dry mass + tare (g):	309.87
Tare (g):	126.71
Water content (%):	51.69
Saturation (%):	18.54
H:D ratio:	1.856
Age (days):	1073
Treatment:	W1

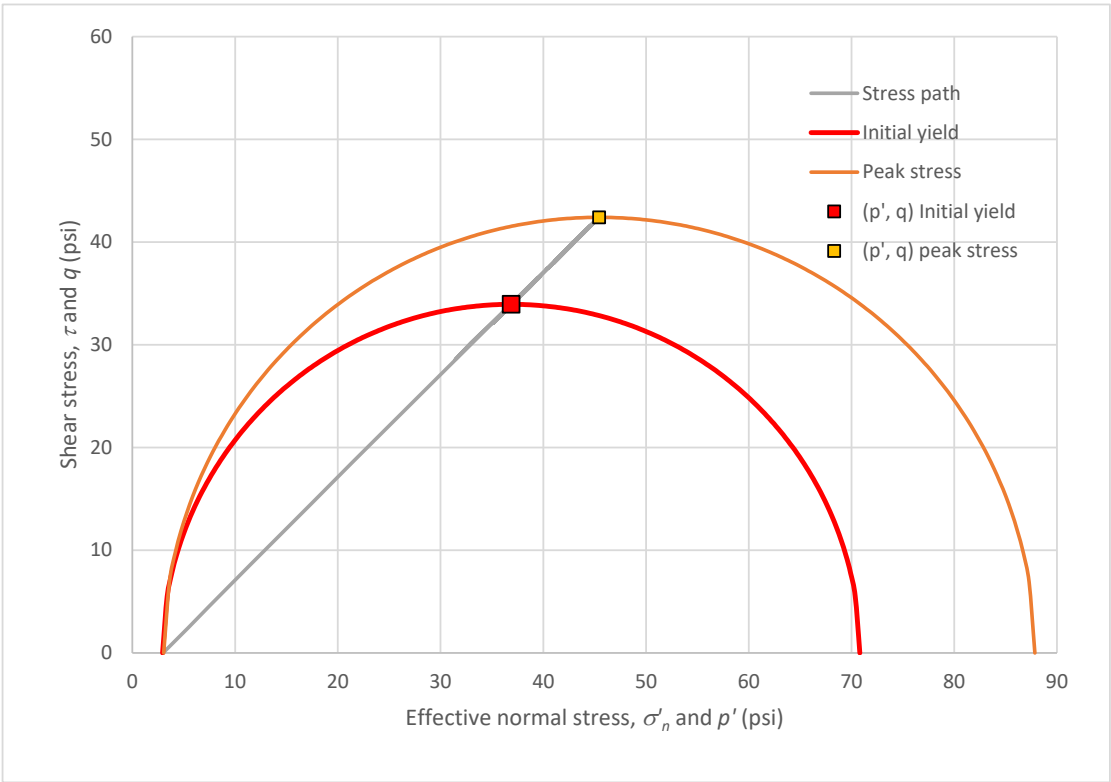
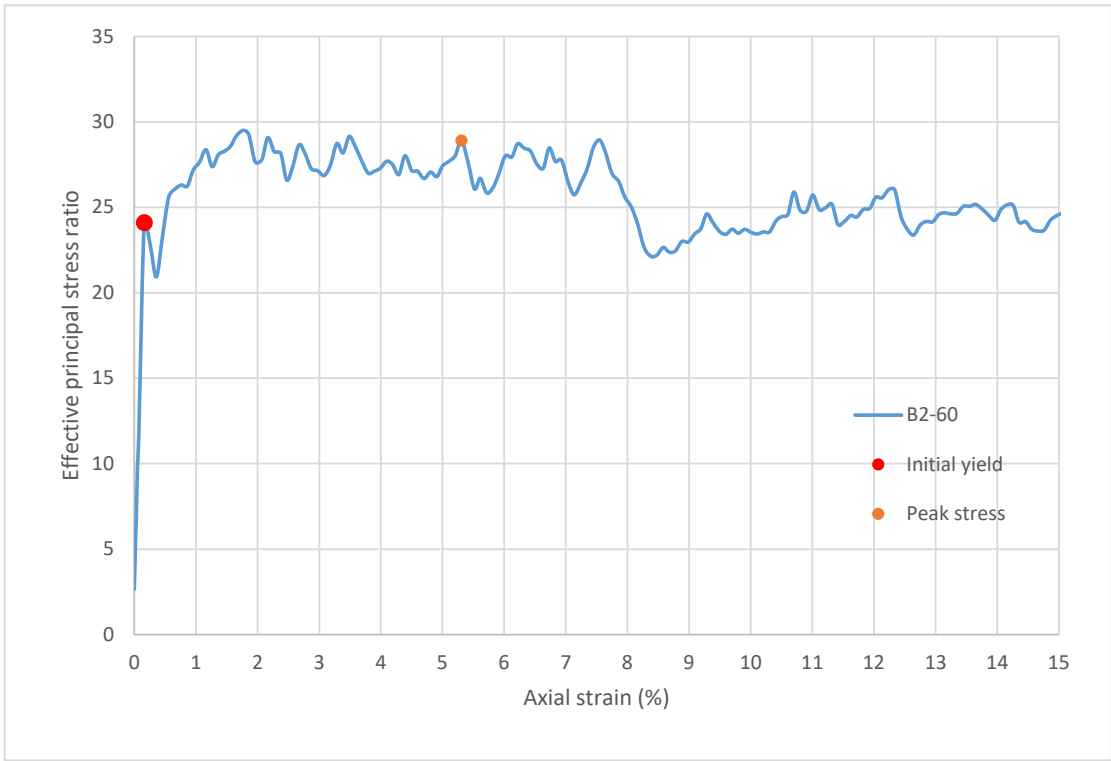
Strain rate (%/min):	0.2
Mean σ'_3 (psi):	3.0
Initial modulus (psi):	41398
Initial yield	
Time to failure (min):	0.8
Axial strain at failure (%):	0.164
σ'_1 (psi):	70.82
σ'_3 (psi):	2.94
$\sigma'_1 - \sigma'_3$ (psi):	67.88
σ'_1 / σ'_3 :	24.10
p' (psi):	36.88
q (psi):	33.94
Volumetric strain (%):	0.086
Poisson's ratio:	0.237
Peak stress	
Time to failure (min):	26.5
Axial strain at failure (%):	5.308
σ'_1 (psi):	87.85
σ'_3 (psi):	3.04
$\sigma'_1 - \sigma'_3$ (psi):	84.81
σ'_1 / σ'_3 :	28.90
p' (psi):	45.45
q (psi):	42.41
Volumetric strain (%):	4.750
Poisson's ratio:	0.053



Sample ID: **B2-60**



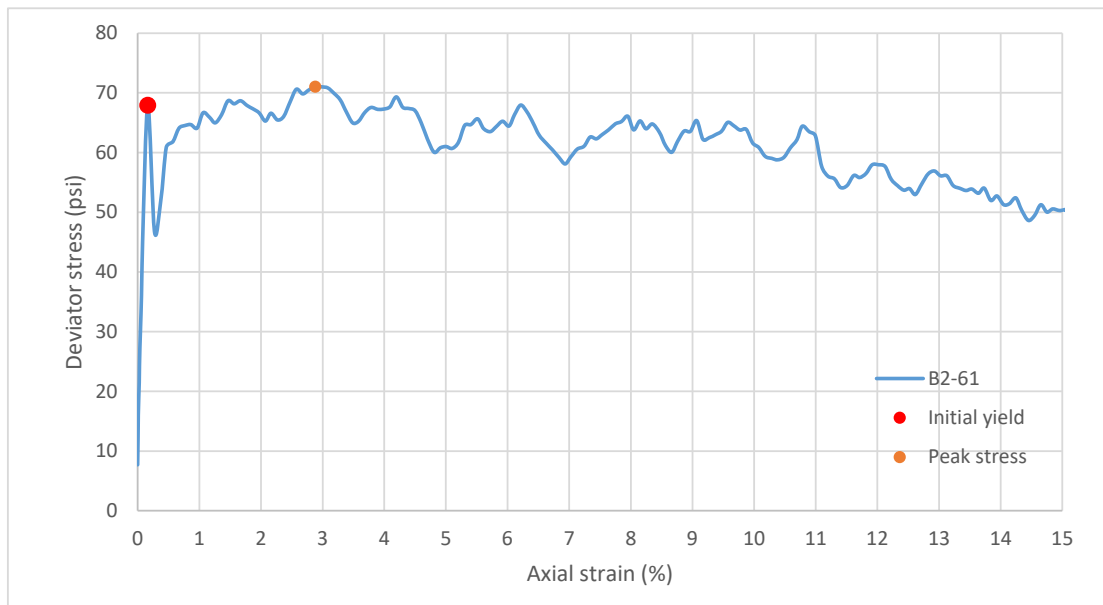
Sample ID: **B2-60**



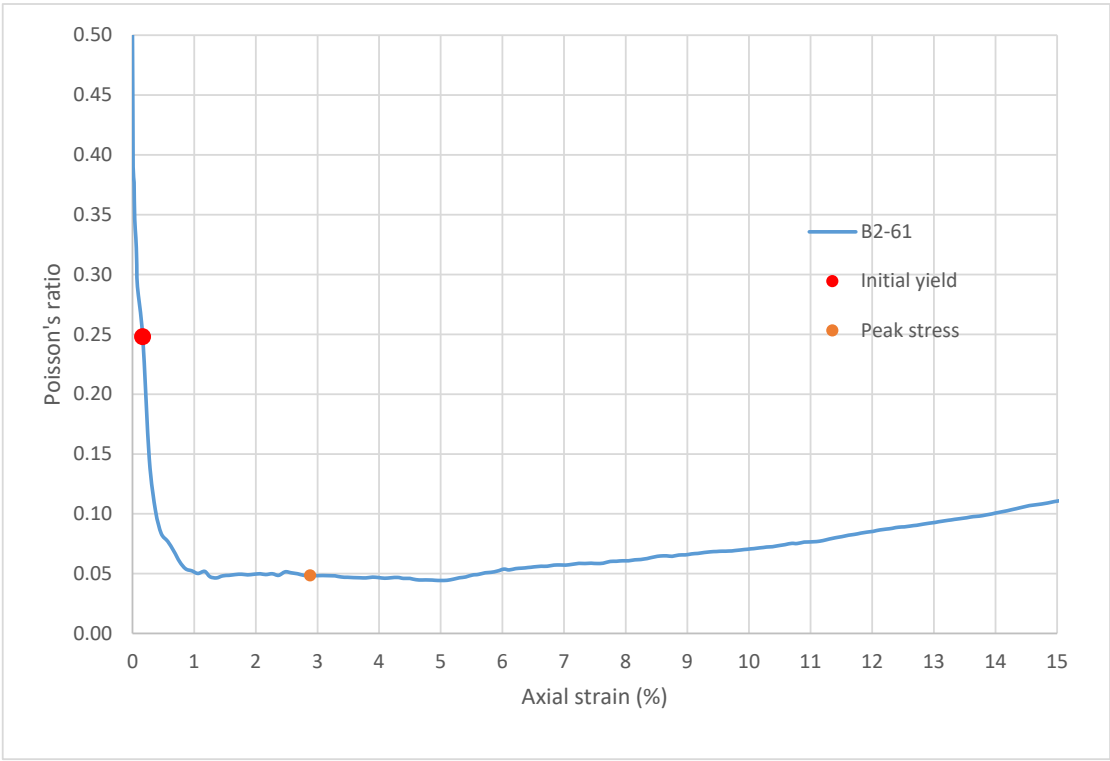
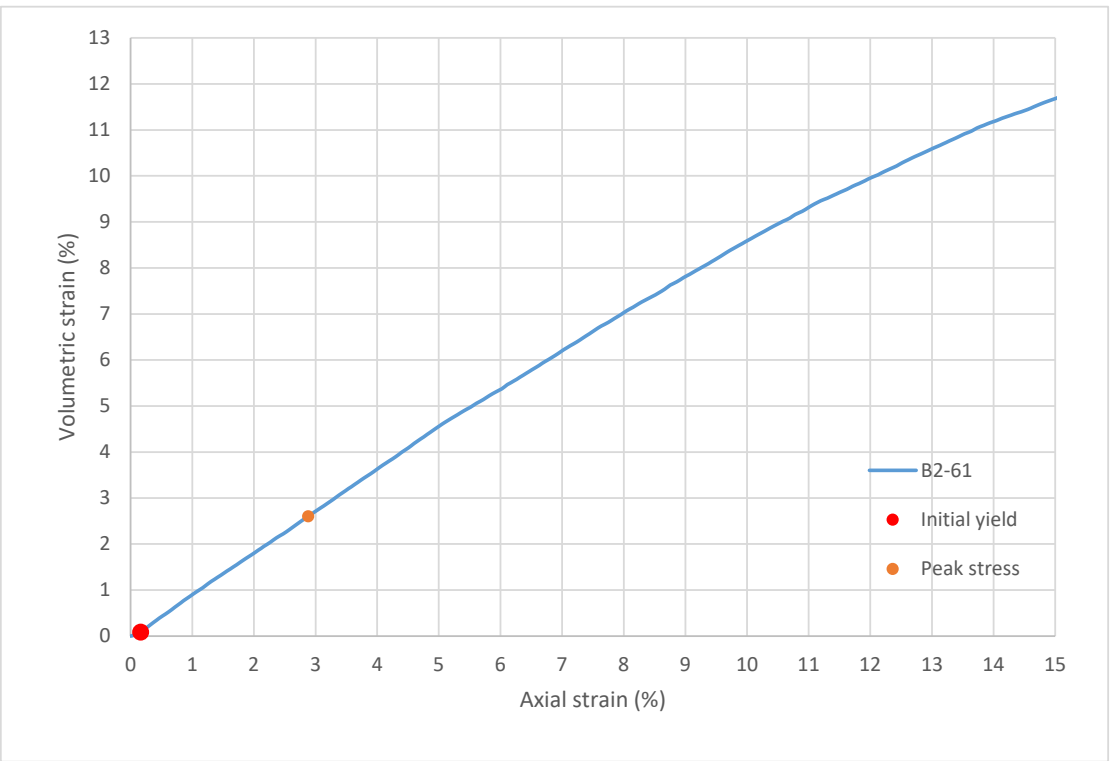
Consolidated-Drained Triaxial Shear, Lightweight Cellular Concrete

Sample ID:	B2-61
Height (in):	5.507
Height (mm):	139.9
Diameter (in):	2.971
Diameter (mm):	75.47
Area (in ²):	6.935
Area (mm ²):	4474
Mass (g):	304.81
Weight (lb):	0.6720
Weight (kN):	0.002989
Volume (in ³):	38.19
Volume (mm ³):	625808
Density (g/mm ³):	0.0004871
Density (kg/m ³):	487.1
Unit weight (pcf):	30.41
Dry unit weight (pcf):	20.39
Unit Weight (kN/m ³):	4.776
Wet mass + tare (g):	339.84
Dry mass + tare (g):	268.85
Tare (g):	124.39
Water content (%):	49.14
Saturation (%):	18.28
H:D ratio:	1.853
Age (days):	1072
Treatment:	W1

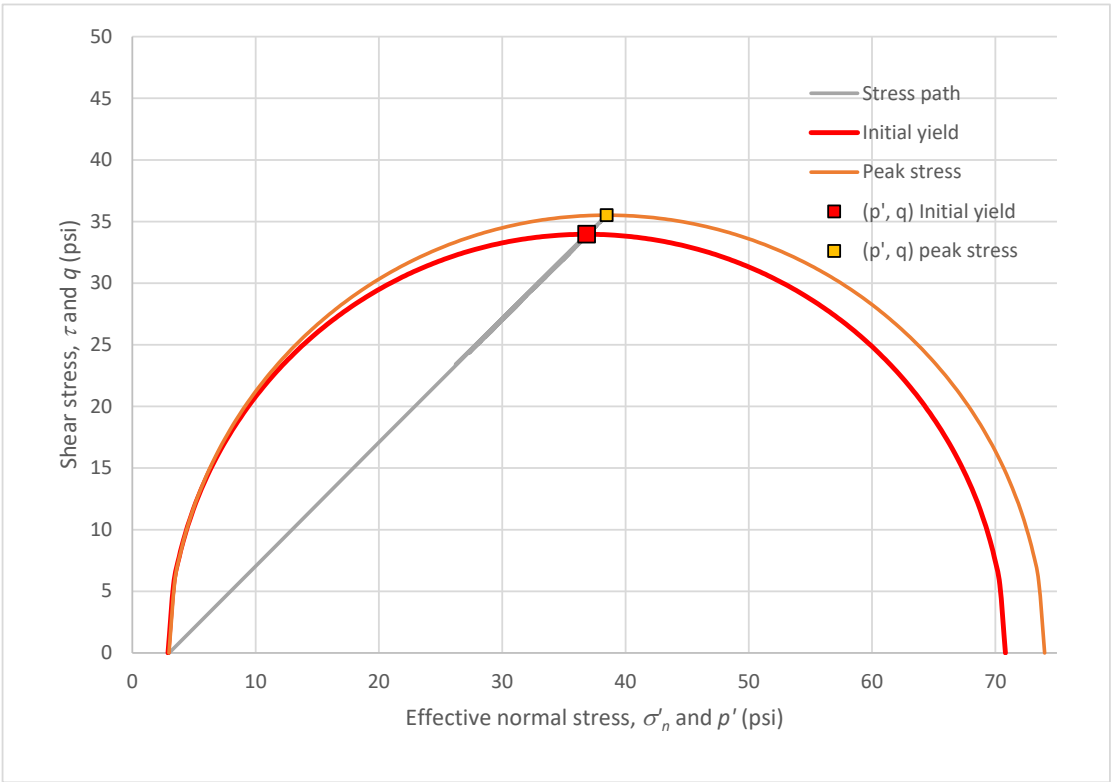
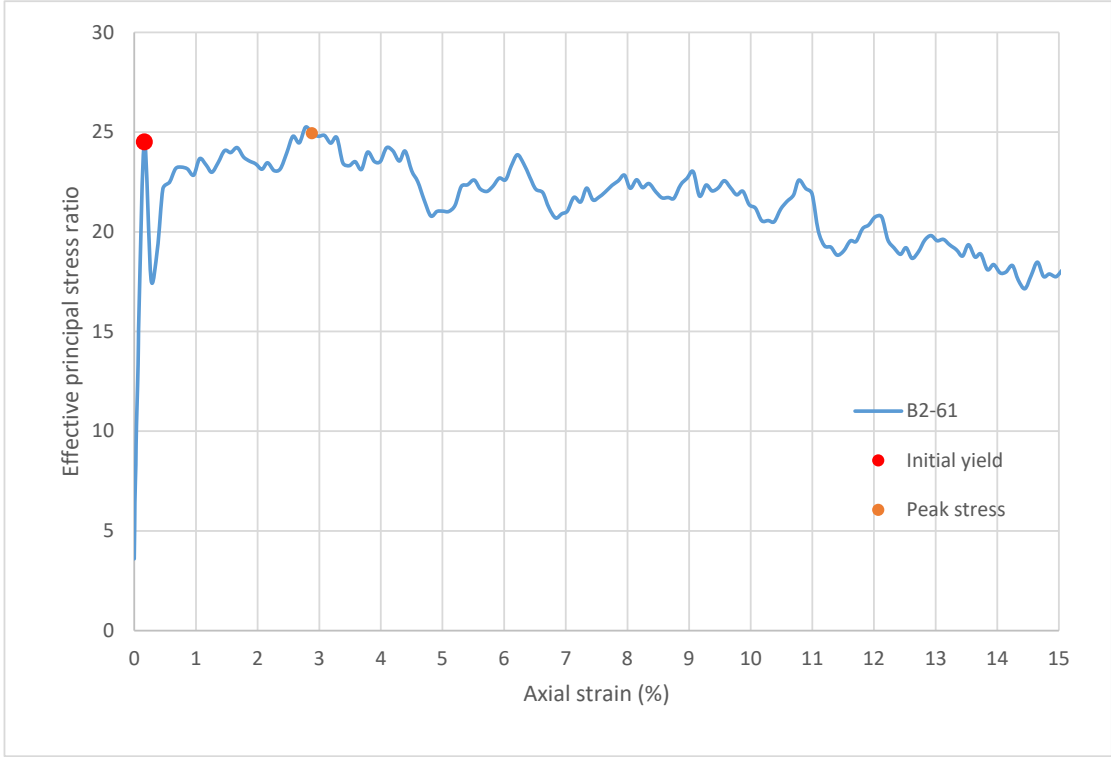
Strain rate (%/min):	0.2
Mean σ'_3 (psi):	3.0
Initial modulus (psi):	41311
Initial yield	
Time to failure (min):	0.8
Axial strain at failure (%):	0.164
σ'_1 (psi):	70.82
σ'_3 (psi):	2.89
$\sigma'_1 - \sigma'_3$ (psi):	67.93
σ'_1 / σ'_3 :	24.51
p' (psi):	36.85
q (psi):	33.96
Volumetric strain (%):	0.083
Poisson's ratio:	0.248
Peak stress	
Time to failure (min):	14.4
Axial strain at failure (%):	2.881
σ'_1 (psi):	74.00
σ'_3 (psi):	2.97
$\sigma'_1 - \sigma'_3$ (psi):	71.03
σ'_1 / σ'_3 :	24.94
p' (psi):	38.48
q (psi):	35.52
Volumetric strain (%):	2.601
Poisson's ratio:	0.049



Sample ID: **B2-61**



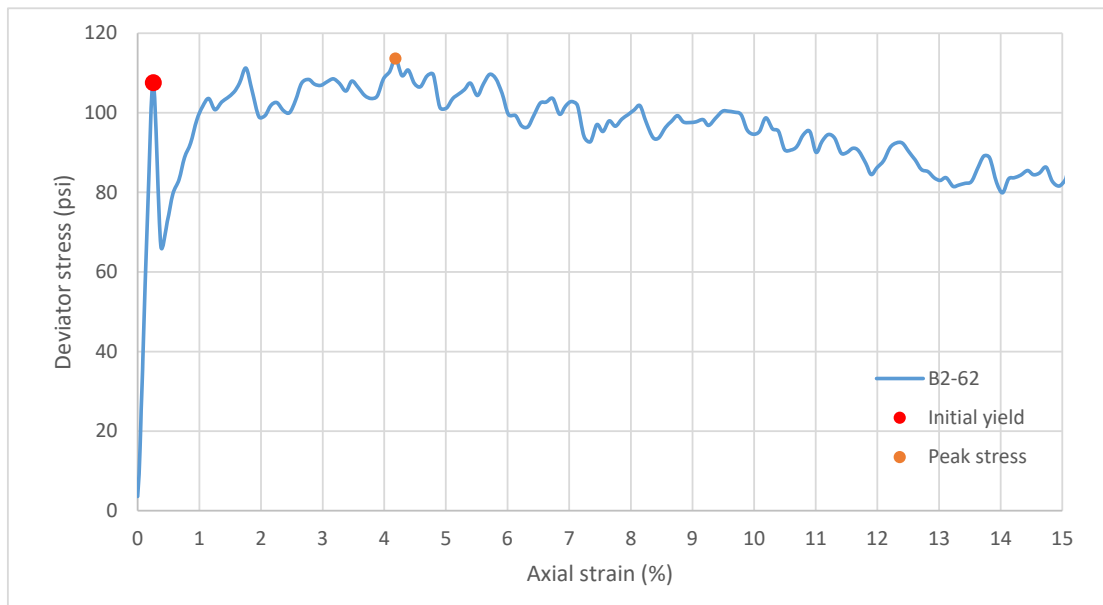
Sample ID: **B2-61**



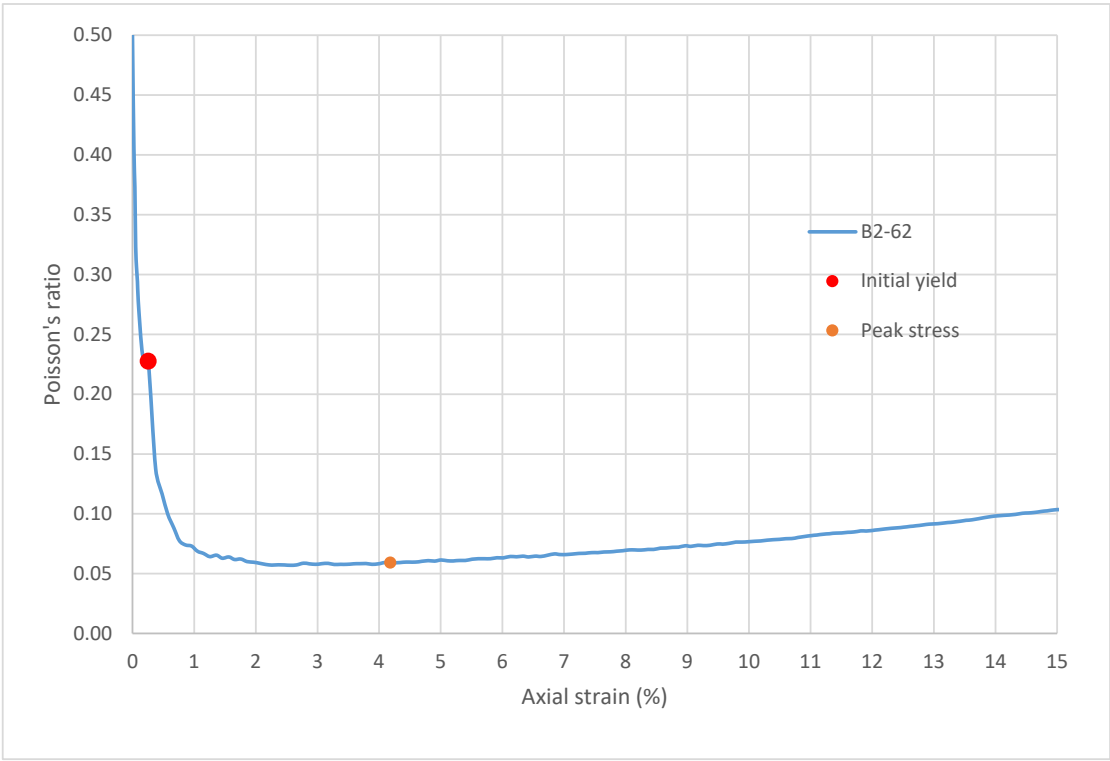
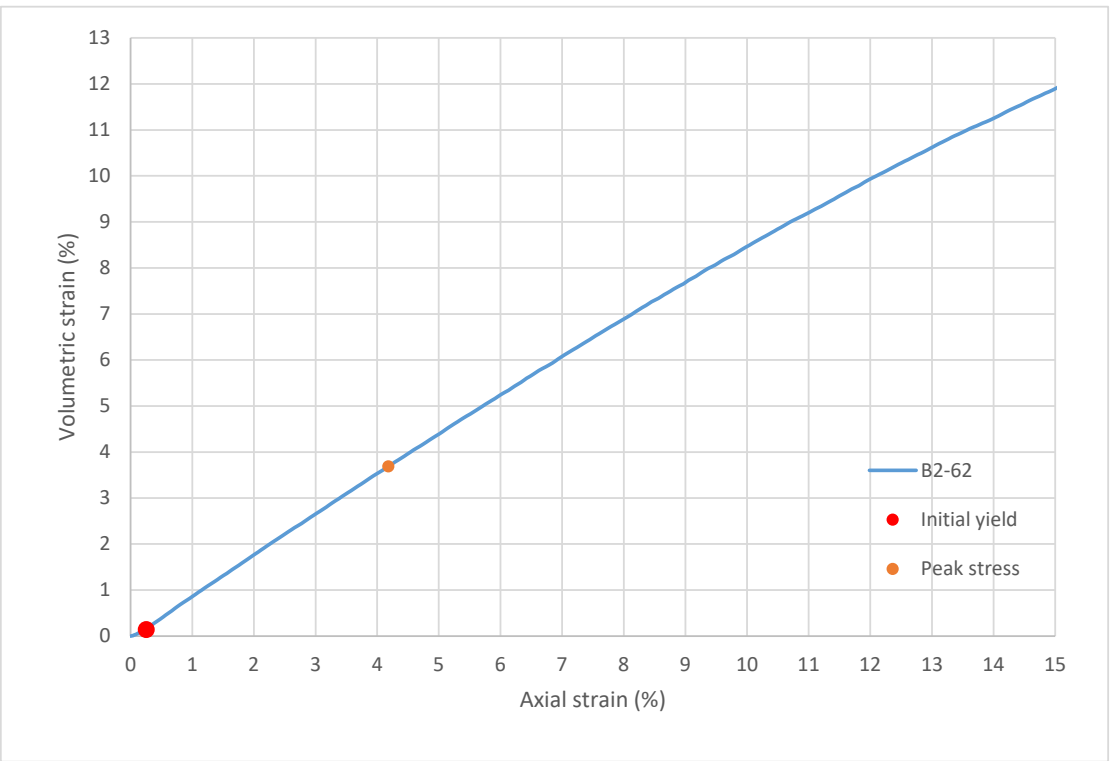
Consolidated-Drained Triaxial Shear, Lightweight Cellular Concrete

Sample ID:	B2-62
Height (in):	5.596
Height (mm):	142.1
Diameter (in):	2.971
Diameter (mm):	75.46
Area (in ²):	6.932
Area (mm ²):	4472
Mass (g):	218.32
Weight (lb):	0.4813
Weight (kN):	0.002141
Volume (in ³):	38.79
Volume (mm ³):	635722
Density (g/mm ³):	0.0003434
Density (kg/m ³):	343.4
Unit weight (pcf):	21.44
Dry unit weight (pcf):	19.22
Unit Weight (kN/m ³):	3.368
Wet mass + tare (g):	331.72
Dry mass + tare (g):	310.31
Tare (g):	124.70
Water content (%):	11.53
Saturation (%):	4.01
H:D ratio:	1.884
Age (days):	1057
Treatment:	AD

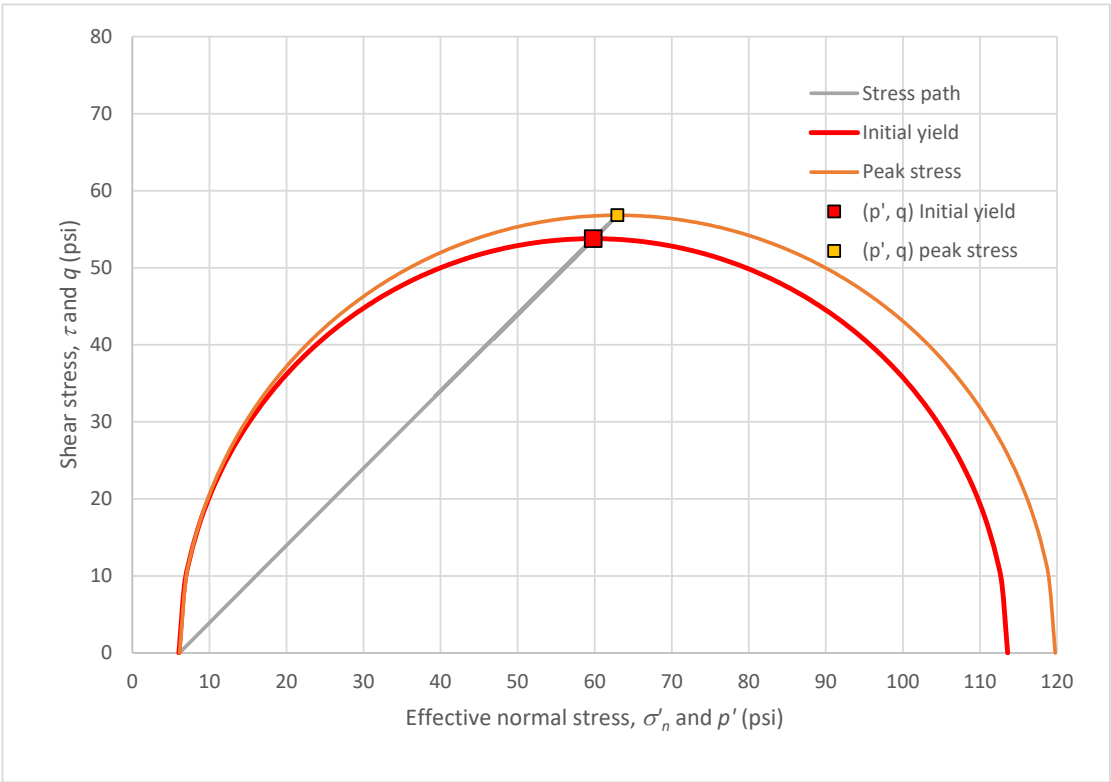
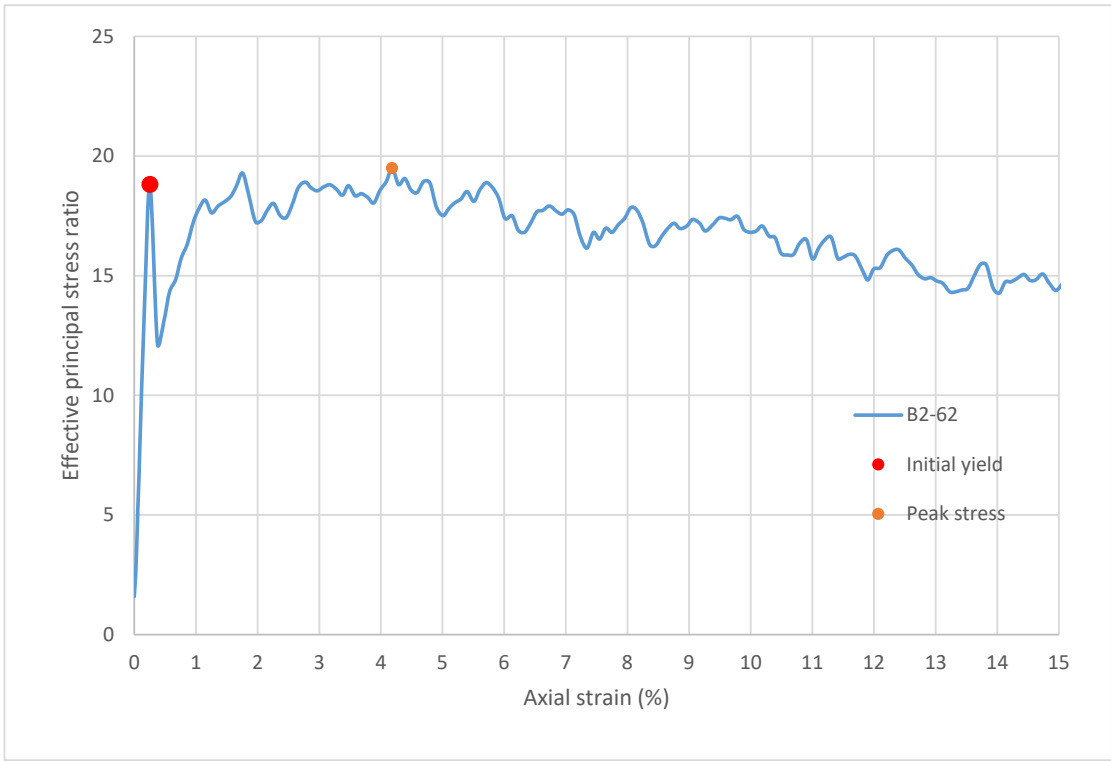
Strain rate (%/min):	0.2
Mean σ'_3 (psi):	6.1
Initial modulus (psi):	42322
Initial yield	
Time to failure (min):	1.3
Axial strain at failure (%):	0.254
σ'_1 (psi):	113.59
σ'_3 (psi):	6.04
$\sigma'_1 - \sigma'_3$ (psi):	107.56
σ'_1 / σ'_3 :	18.81
p' (psi):	59.82
q (psi):	53.78
Volumetric strain (%):	0.138
Poisson's ratio:	0.228
Peak stress	
Time to failure (min):	20.9
Axial strain at failure (%):	4.183
σ'_1 (psi):	119.77
σ'_3 (psi):	6.14
$\sigma'_1 - \sigma'_3$ (psi):	113.62
σ'_1 / σ'_3 :	19.50
p' (psi):	62.95
q (psi):	56.81
Volumetric strain (%):	3.688
Poisson's ratio:	0.059



Sample ID: **B2-62**



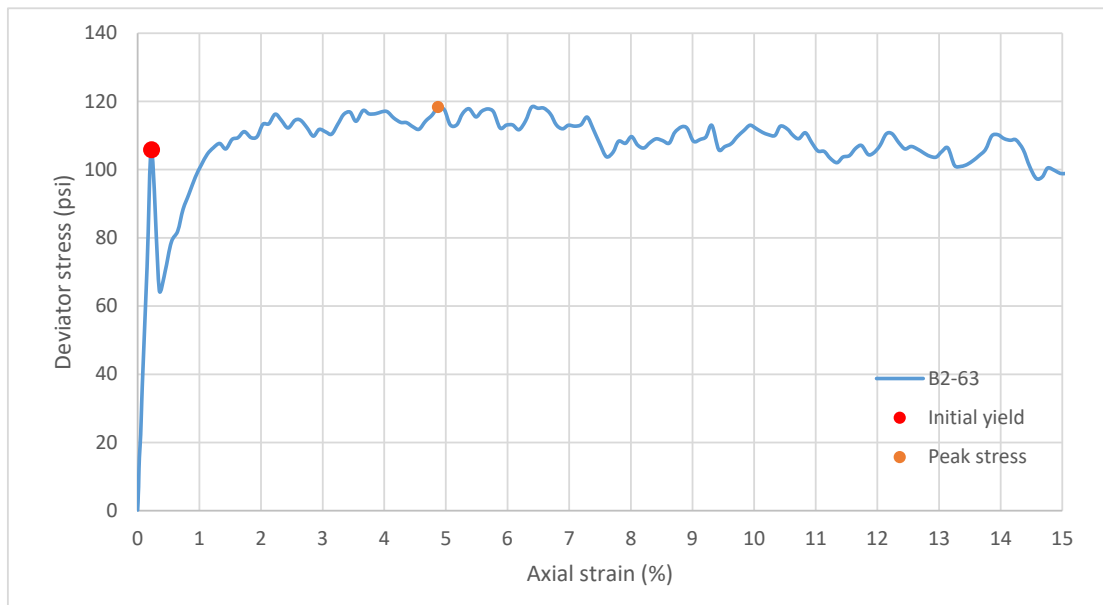
Sample ID: **B2-62**



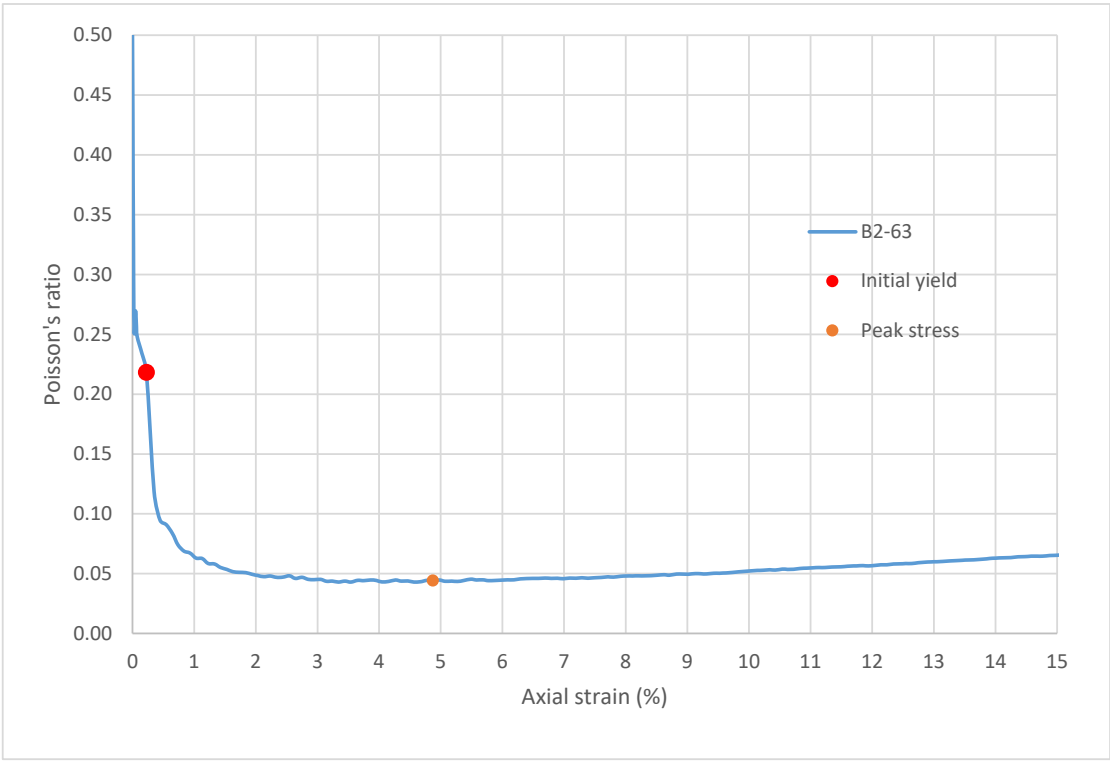
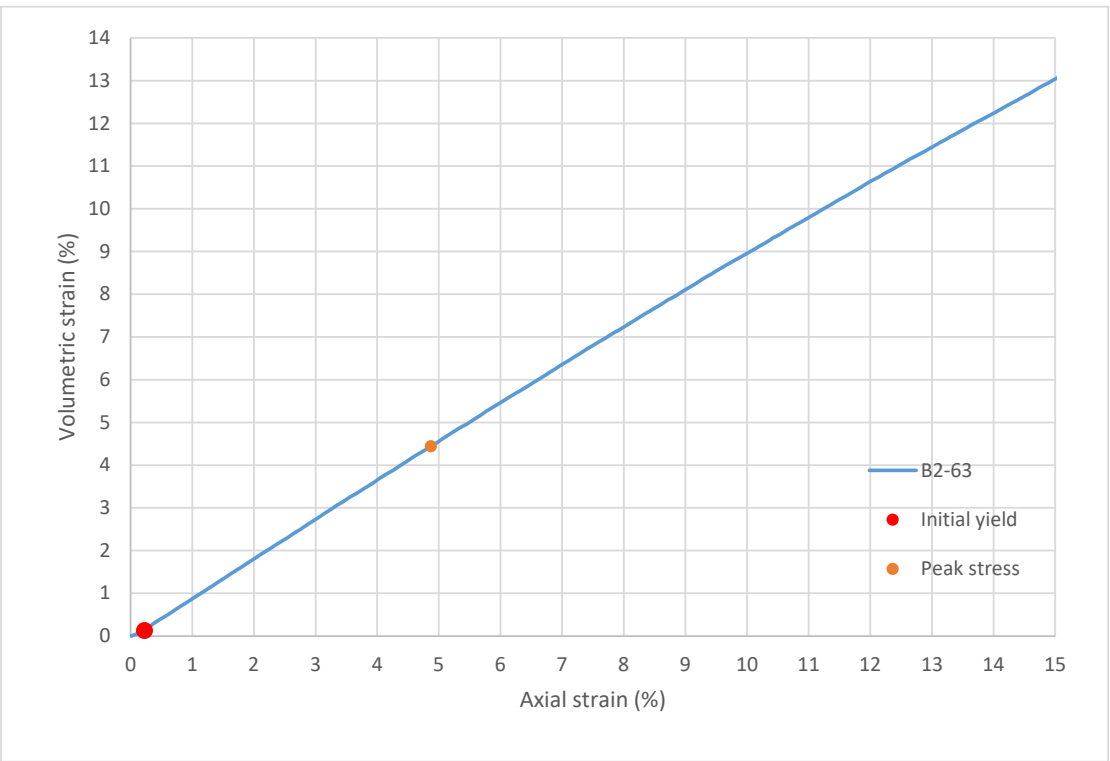
Consolidated-Drained Triaxial Shear, Lightweight Cellular Concrete

Sample ID:	B2-63
Height (in):	5.509
Height (mm):	139.9
Diameter (in):	2.964
Diameter (mm):	75.28
Area (in ²):	6.898
Area (mm ²):	4451
Mass (g):	210.83
Weight (lb):	0.4648
Weight (kN):	0.002068
Volume (in ³):	38.00
Volume (mm ³):	622763
Density (g/mm ³):	0.0003385
Density (kg/m ³):	338.5
Unit weight (pcf):	21.13
Dry unit weight (pcf):	19.02
Unit Weight (kN/m ³):	3.320
Wet mass + tare (g):	324.78
Dry mass + tare (g):	305.02
Tare (g):	127.36
Water content (%):	11.12
Saturation (%):	3.82
H:D ratio:	1.859
Age (days):	1057
Treatment:	AD

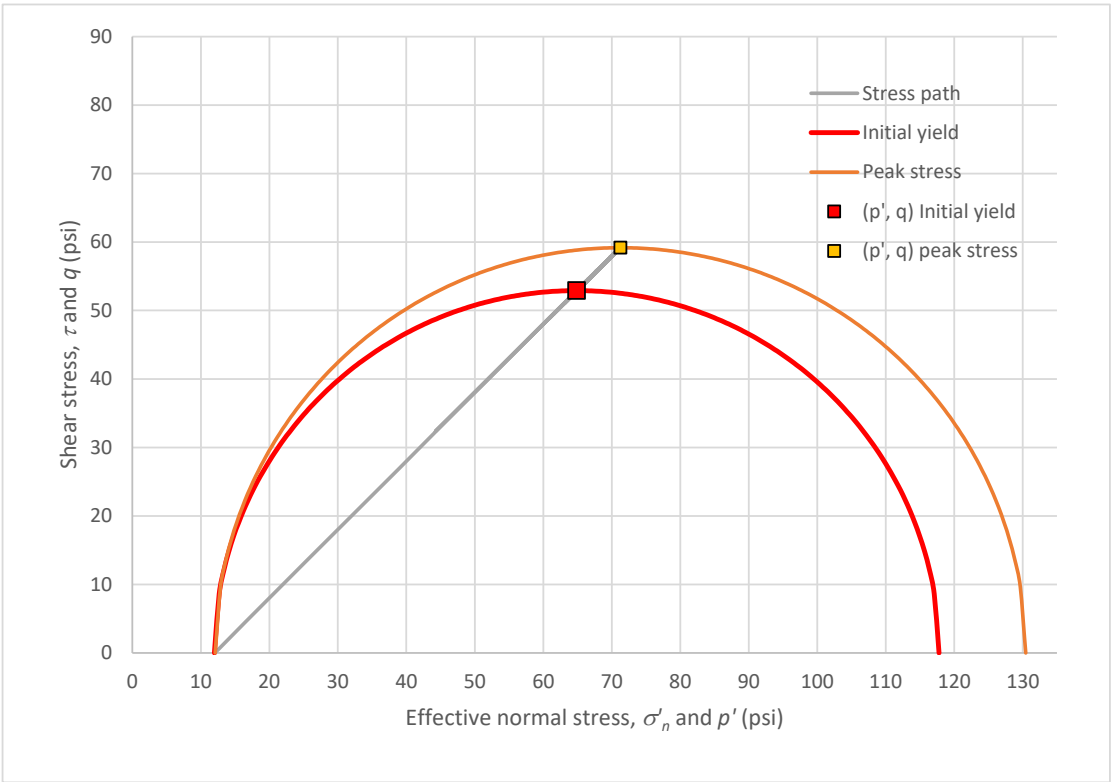
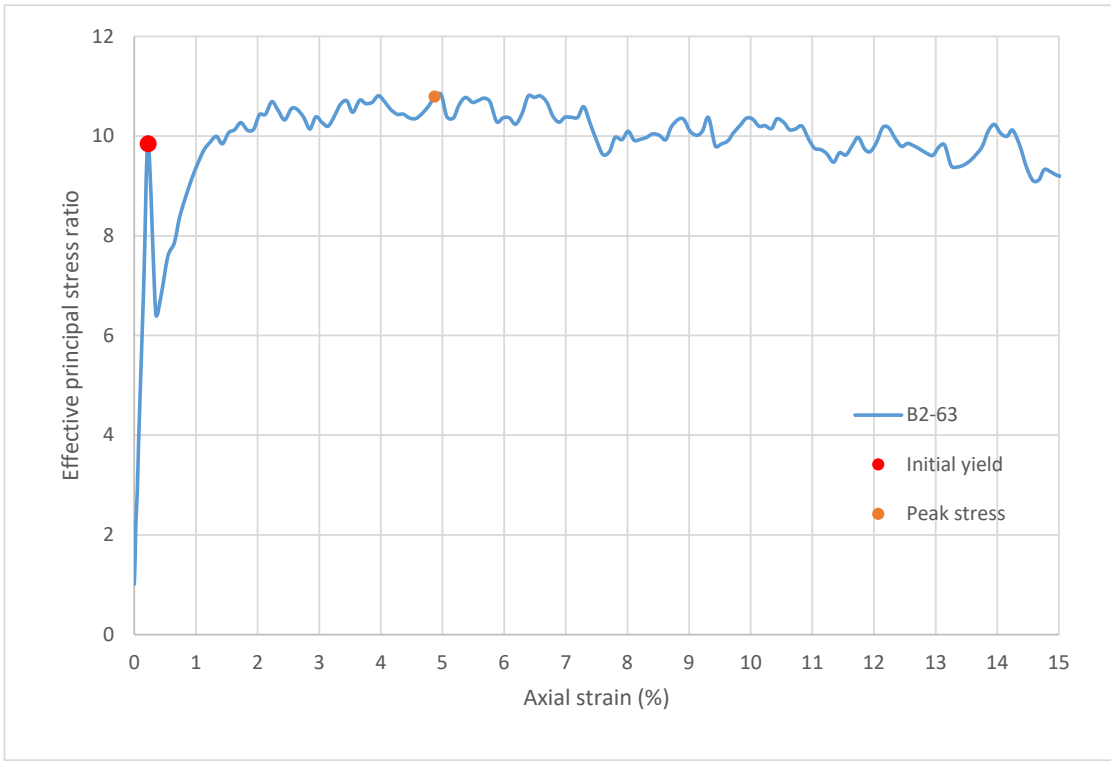
Strain rate (%/min):	0.2
Mean σ'_3 (psi):	12.0
Initial modulus (psi):	46807
Initial yield	
Time to failure (min):	1.1
Axial strain at failure (%):	0.226
σ'_1 (psi):	117.78
σ'_3 (psi):	11.97
$\sigma'_1 - \sigma'_3$ (psi):	105.82
σ'_1 / σ'_3 :	9.84
p' (psi):	64.87
q (psi):	52.91
Volumetric strain (%):	0.127
Poisson's ratio:	0.218
Peak stress	
Time to failure (min):	24.4
Axial strain at failure (%):	4.873
σ'_1 (psi):	130.43
σ'_3 (psi):	12.09
$\sigma'_1 - \sigma'_3$ (psi):	118.34
σ'_1 / σ'_3 :	10.79
p' (psi):	71.26
q (psi):	59.17
Volumetric strain (%):	4.442
Poisson's ratio:	0.044



Sample ID: **B2-63**



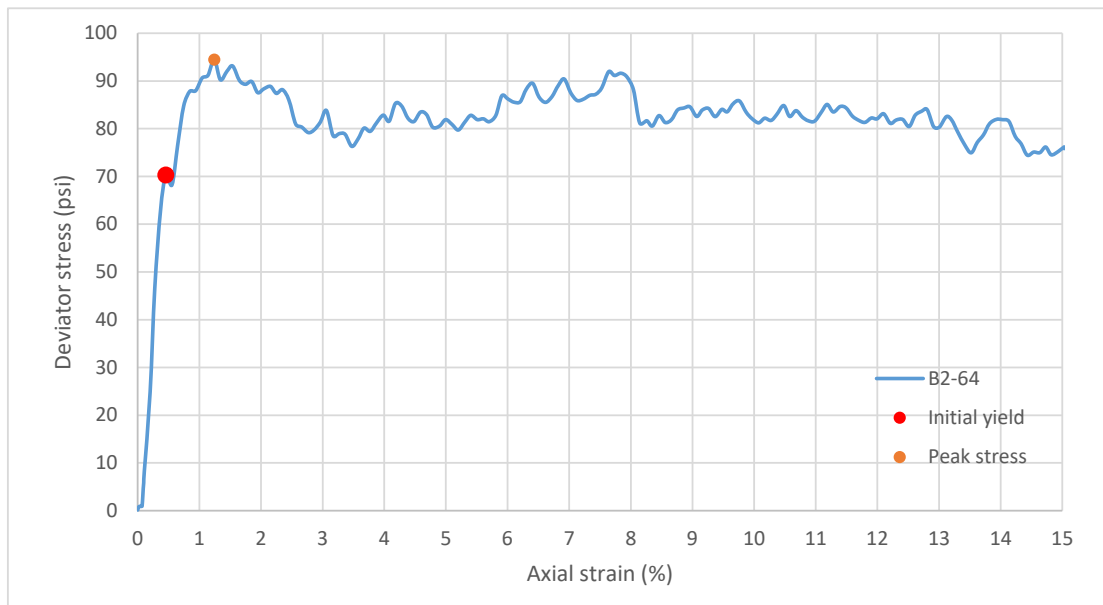
Sample ID: **B2-63**



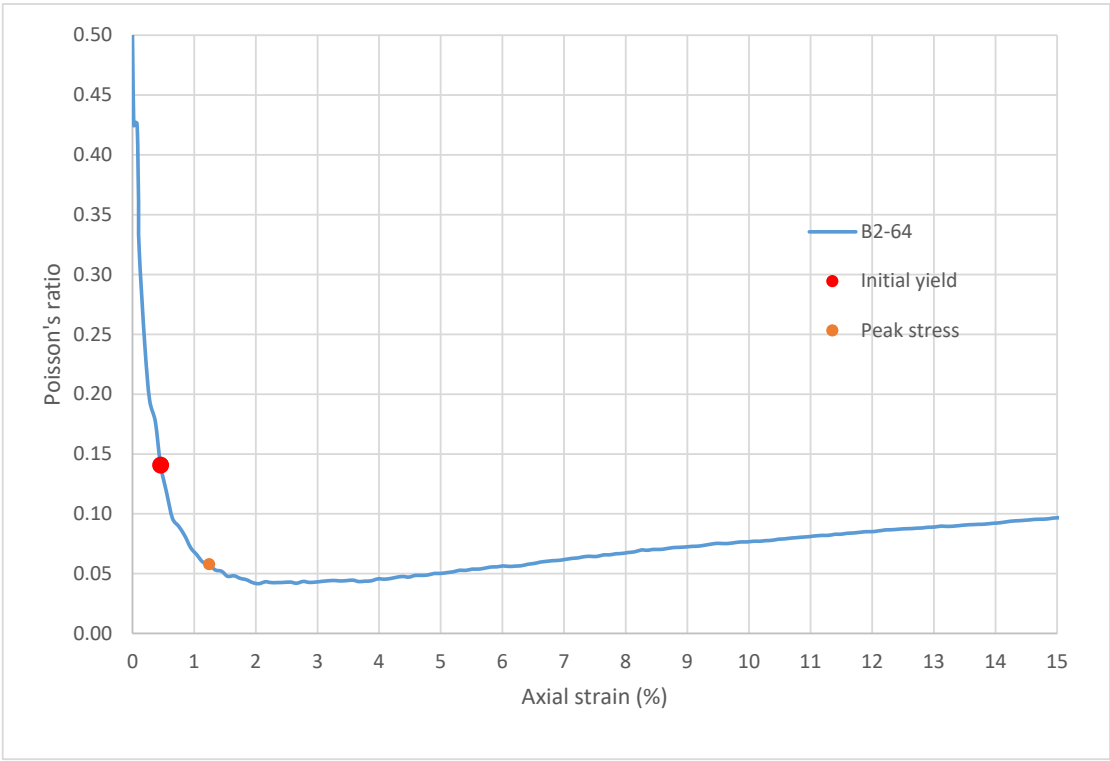
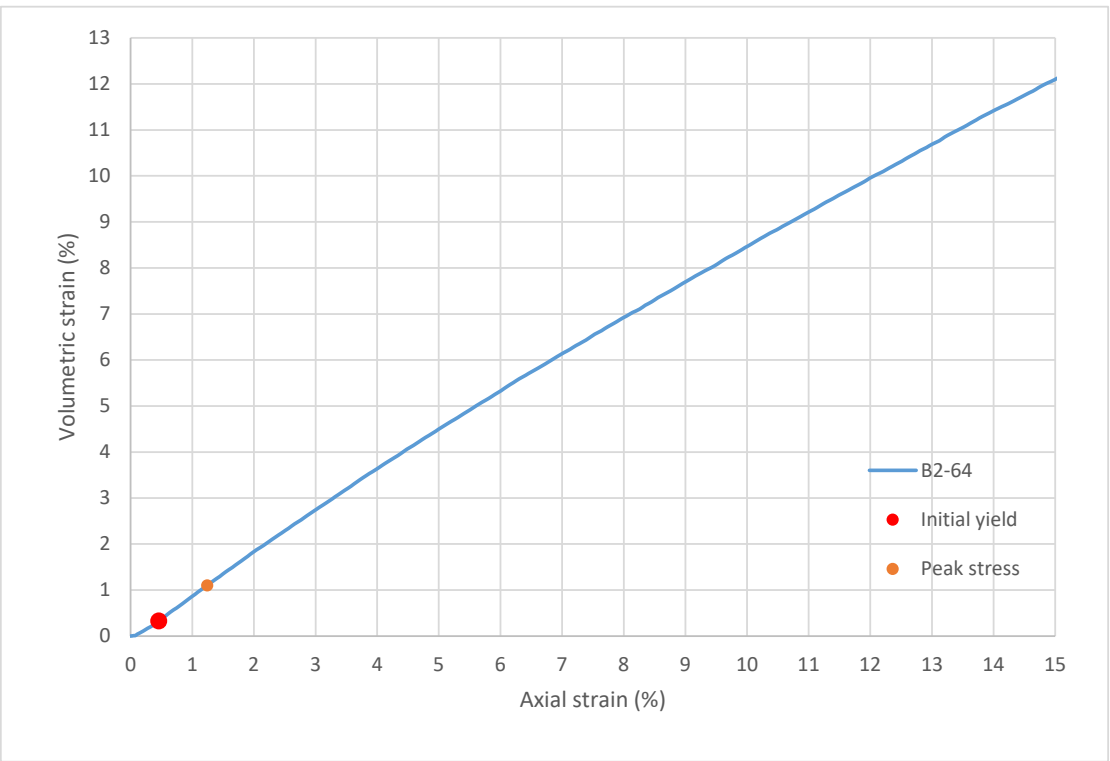
Consolidated-Drained Triaxial Shear, Lightweight Cellular Concrete

Sample ID:	B2-64
Height (in):	5.536
Height (mm):	140.6
Diameter (in):	2.957
Diameter (mm):	75.10
Area (in ²):	6.866
Area (mm ²):	4430
Mass (g):	219.62
Weight (lb):	0.4842
Weight (kN):	0.002154
Volume (in ³):	38.01
Volume (mm ³):	622909
Density (g/mm ³):	0.0003526
Density (kg/m ³):	352.6
Unit weight (pcf):	22.01
Dry unit weight (pcf):	19.09
Unit Weight (kN/m ³):	3.458
Wet mass + tare (g):	325.46
Dry mass + tare (g):	299.19
Tare (g):	127.69
Water content (%):	15.32
Saturation (%):	5.29
H:D ratio:	1.872
Age (days):	1067
Treatment:	H100

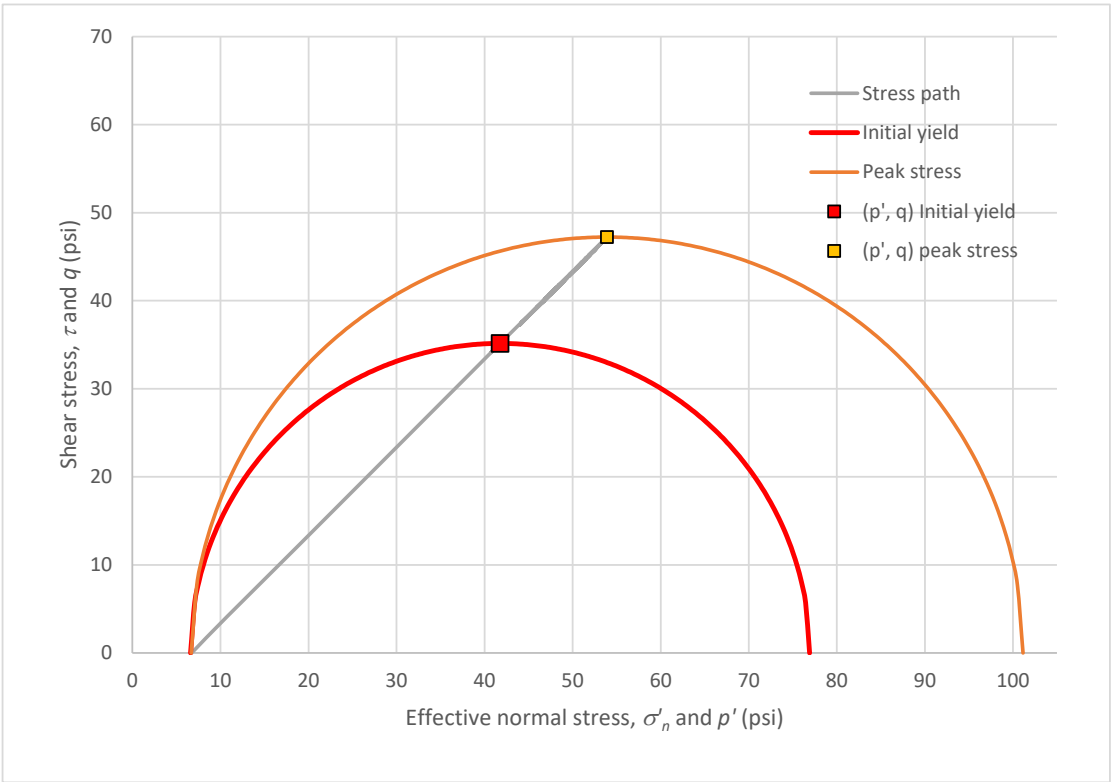
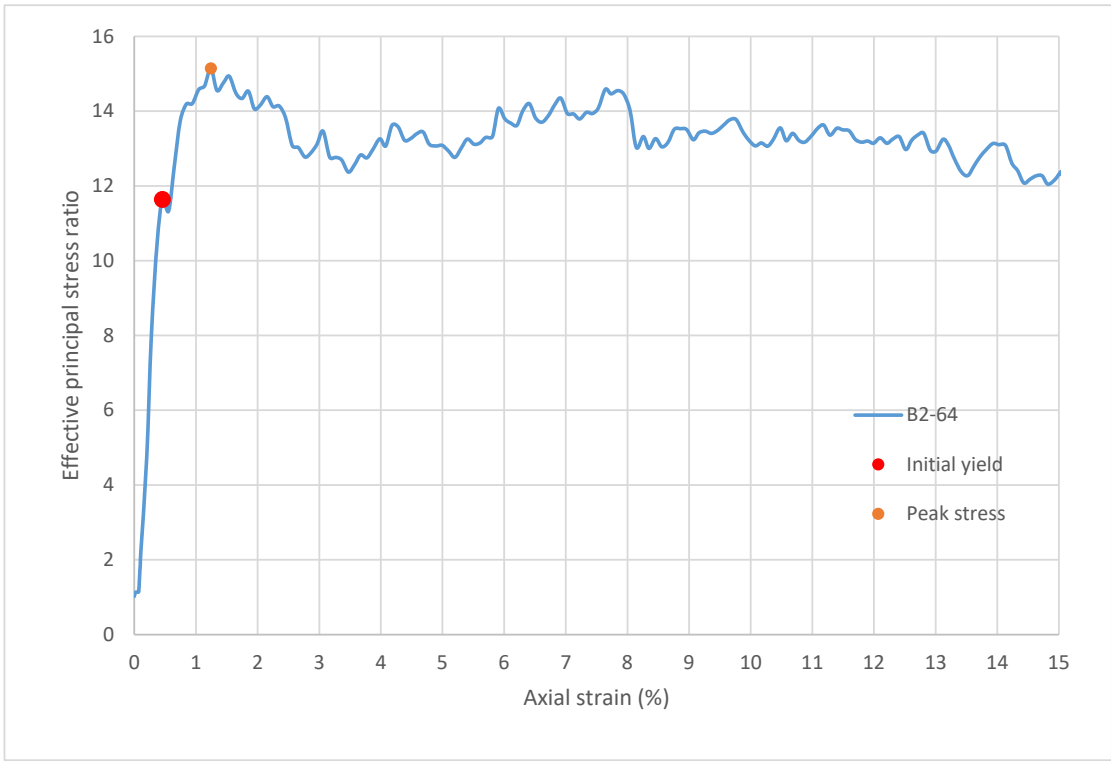
Strain rate (%/min):	0.2
Mean σ'_3 (psi):	6.7
Initial modulus (psi):	15409
Initial yield	
Time to failure (min):	2.3
Axial strain at failure (%):	0.456
σ'_1 (psi):	76.91
σ'_3 (psi):	6.61
$\sigma'_1 - \sigma'_3$ (psi):	70.30
σ'_1 / σ'_3 :	11.64
p' (psi):	41.76
q (psi):	35.15
Volumetric strain (%):	0.328
Poisson's ratio:	0.141
Peak stress	
Time to failure (min):	6.2
Axial strain at failure (%):	1.243
σ'_1 (psi):	101.14
σ'_3 (psi):	6.68
$\sigma'_1 - \sigma'_3$ (psi):	94.46
σ'_1 / σ'_3 :	15.14
p' (psi):	53.91
q (psi):	47.23
Volumetric strain (%):	1.099
Poisson's ratio:	0.058



Sample ID: **B2-64**



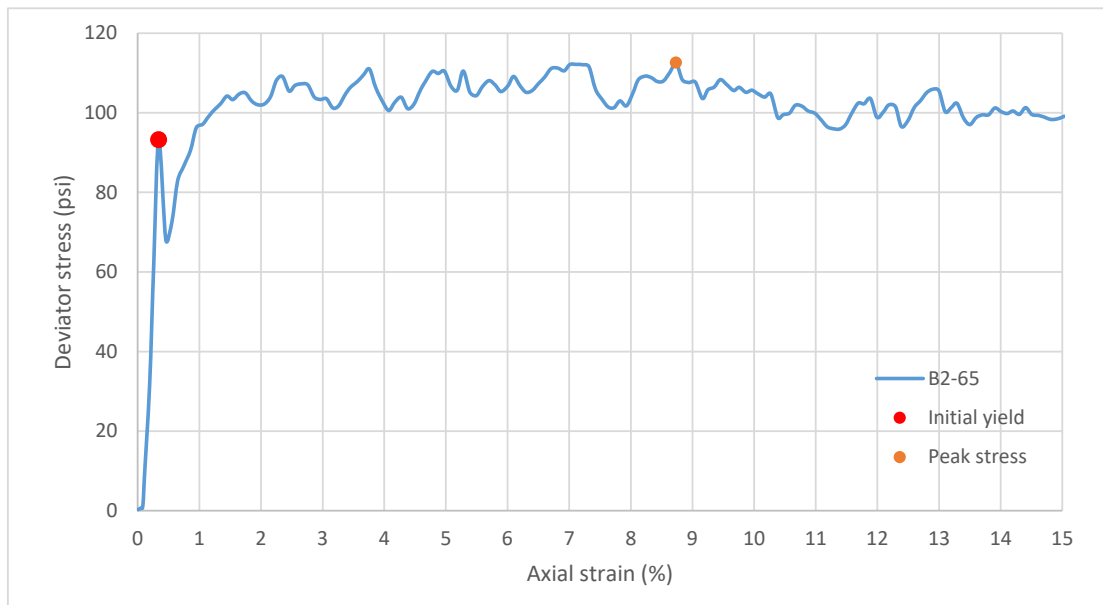
Sample ID: **B2-64**



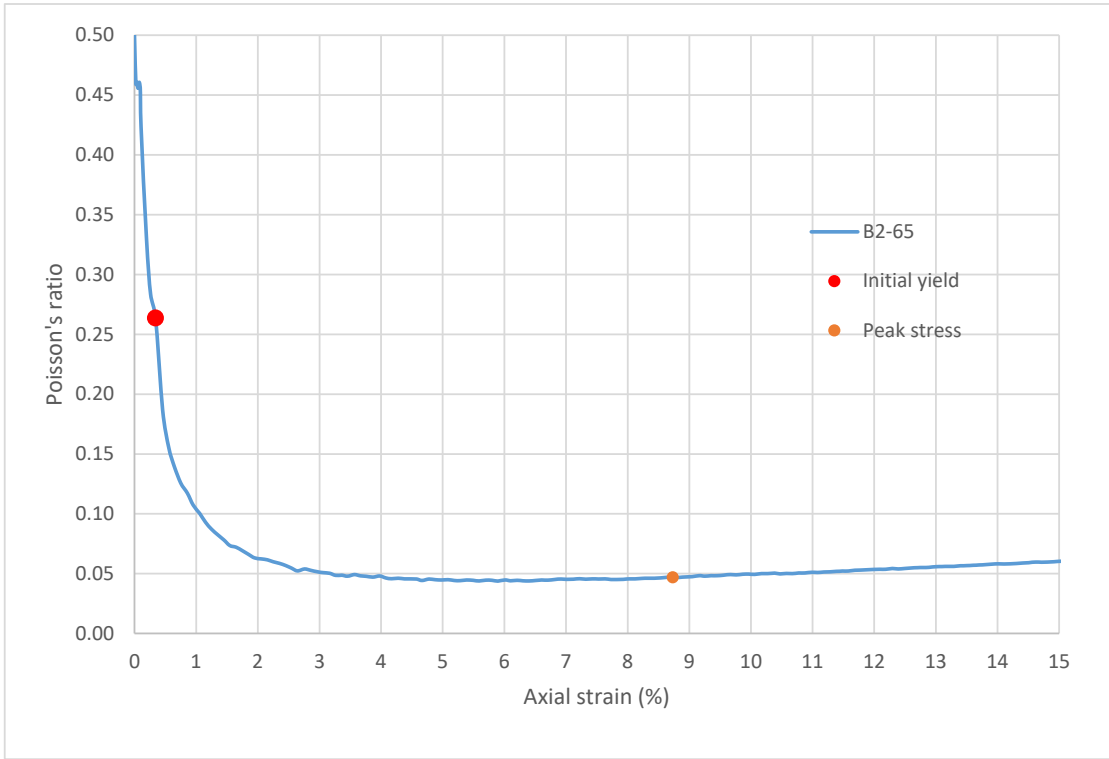
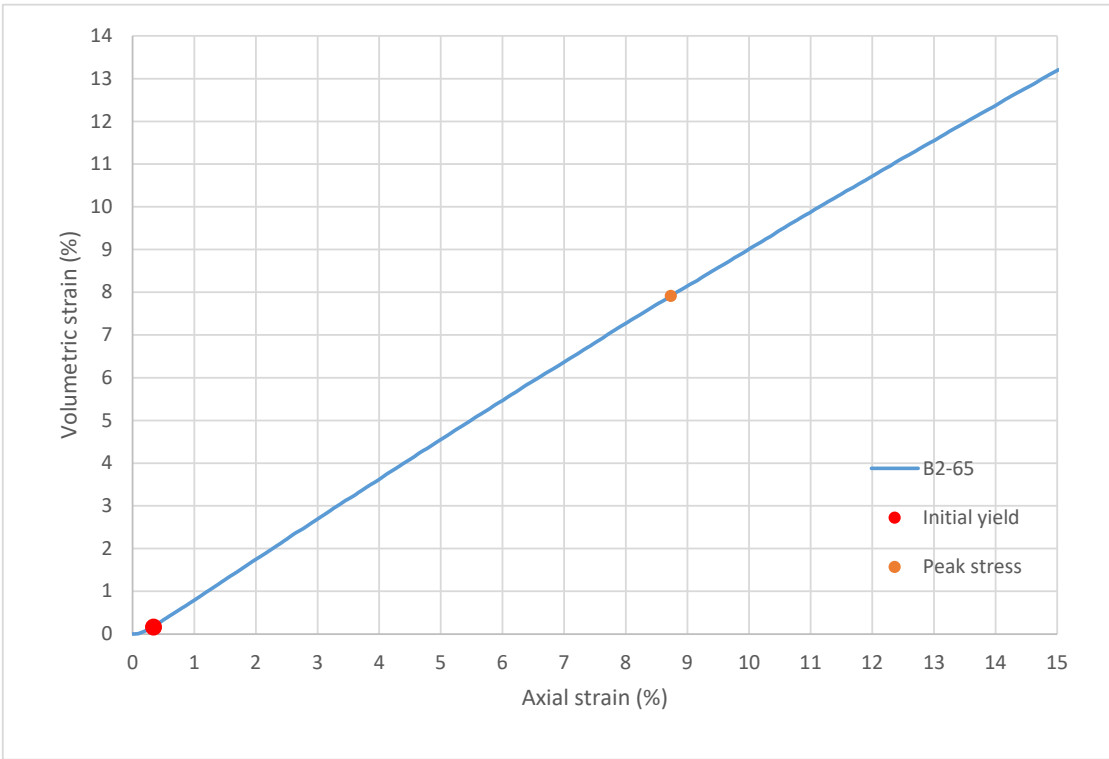
Consolidated-Drained Triaxial Shear, Lightweight Cellular Concrete

Sample ID:	B2-65
Height (in):	5.465
Height (mm):	138.8
Diameter (in):	2.953
Diameter (mm):	75.00
Area (in ²):	6.847
Area (mm ²):	4418
Mass (g):	215.73
Weight (lb):	0.4756
Weight (kN):	0.002116
Volume (in ³):	37.42
Volume (mm ³):	613174
Density (g/mm ³):	0.0003518
Density (kg/m ³):	351.8
Unit weight (pcf):	21.96
Dry unit weight (pcf):	19.14
Unit Weight (kN/m ³):	3.450
Wet mass + tare (g):	331.98
Dry mass + tare (g):	305.80
Tare (g):	128.45
Water content (%):	14.76
Saturation (%):	5.11
H:D ratio:	1.851
Age (days):	1067
Treatment:	H100

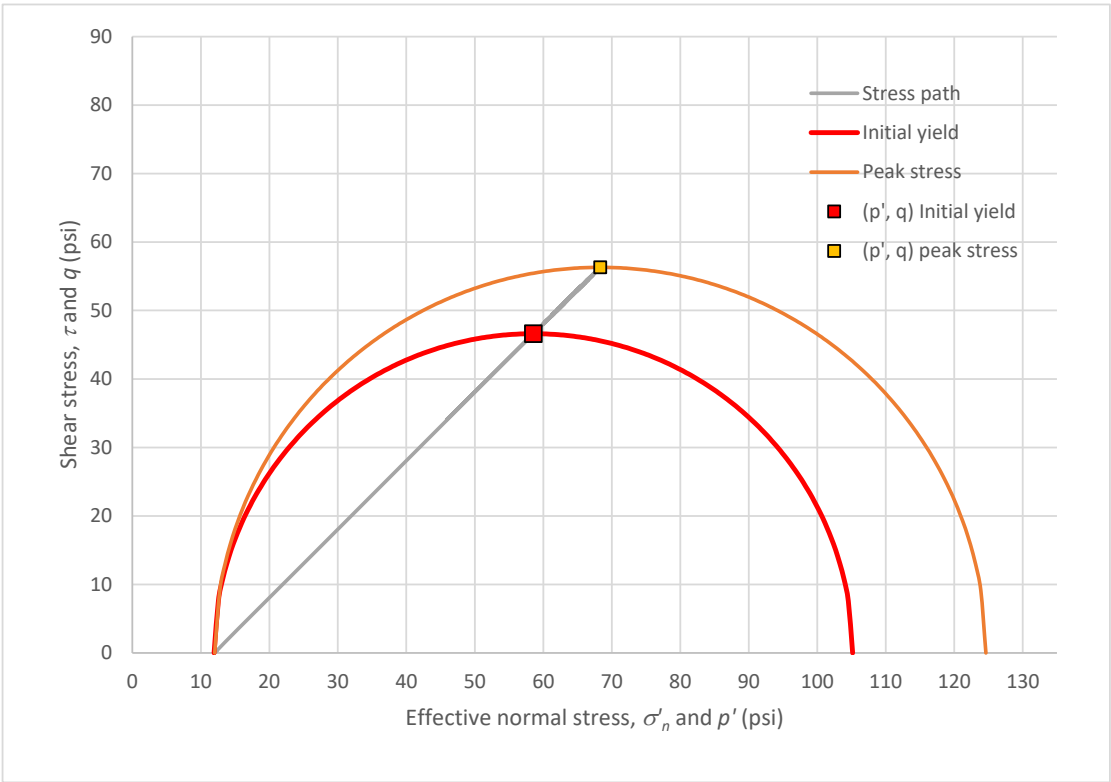
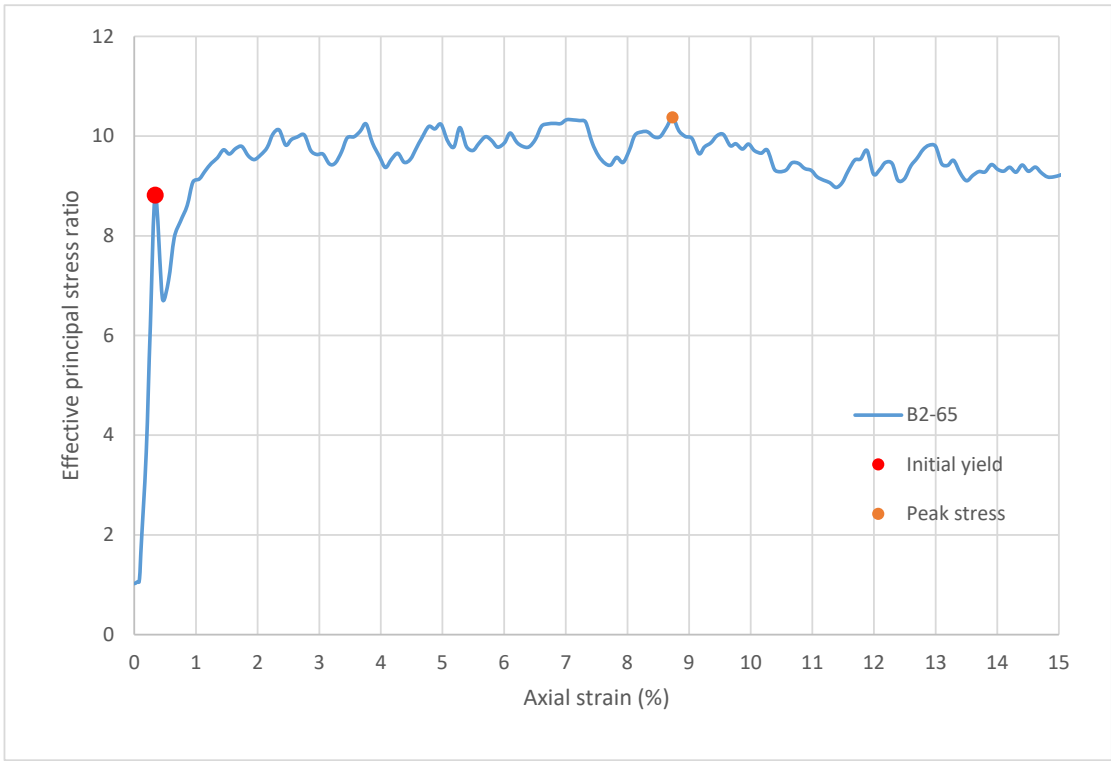
Strain rate (%/min):	0.2
Mean σ'_3 (psi):	12.0
Initial modulus (psi):	27310
Initial yield	
Time to failure (min):	1.7
Axial strain at failure (%):	0.341
σ'_1 (psi):	105.16
σ'_3 (psi):	11.93
$\sigma'_1 - \sigma'_3$ (psi):	93.23
σ'_1 / σ'_3 :	8.82
p' (psi):	58.55
q (psi):	46.62
Volumetric strain (%):	0.161
Poisson's ratio:	0.264
Peak stress	
Time to failure (min):	43.7
Axial strain at failure (%):	8.733
σ'_1 (psi):	124.63
σ'_3 (psi):	12.01
$\sigma'_1 - \sigma'_3$ (psi):	112.61
σ'_1 / σ'_3 :	10.37
p' (psi):	68.32
q (psi):	56.31
Volumetric strain (%):	7.914
Poisson's ratio:	0.047



Sample ID: **B2-65**



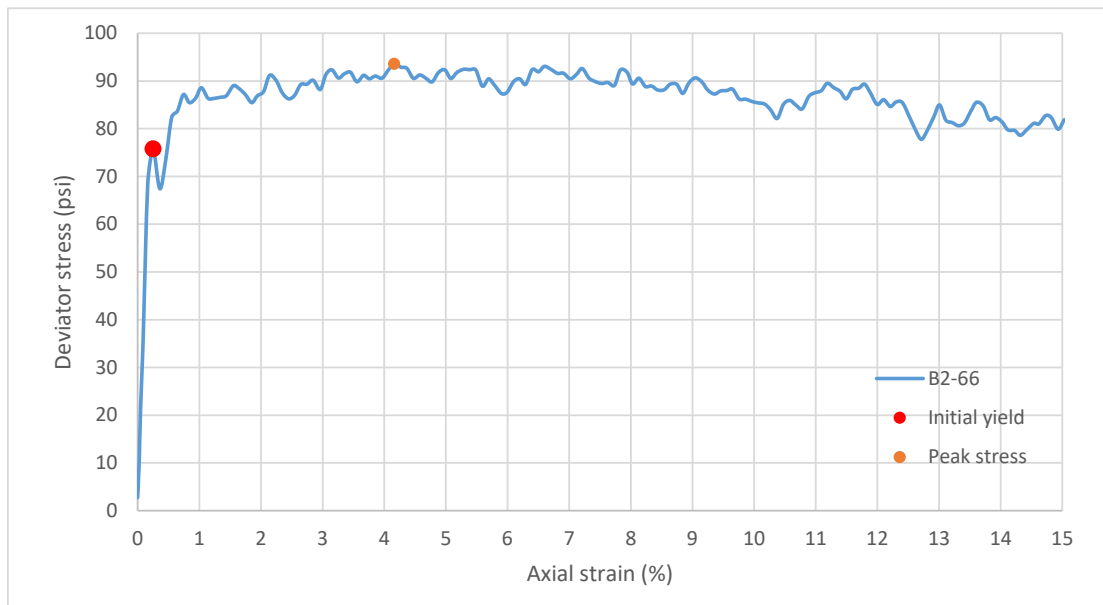
Sample ID: **B2-65**



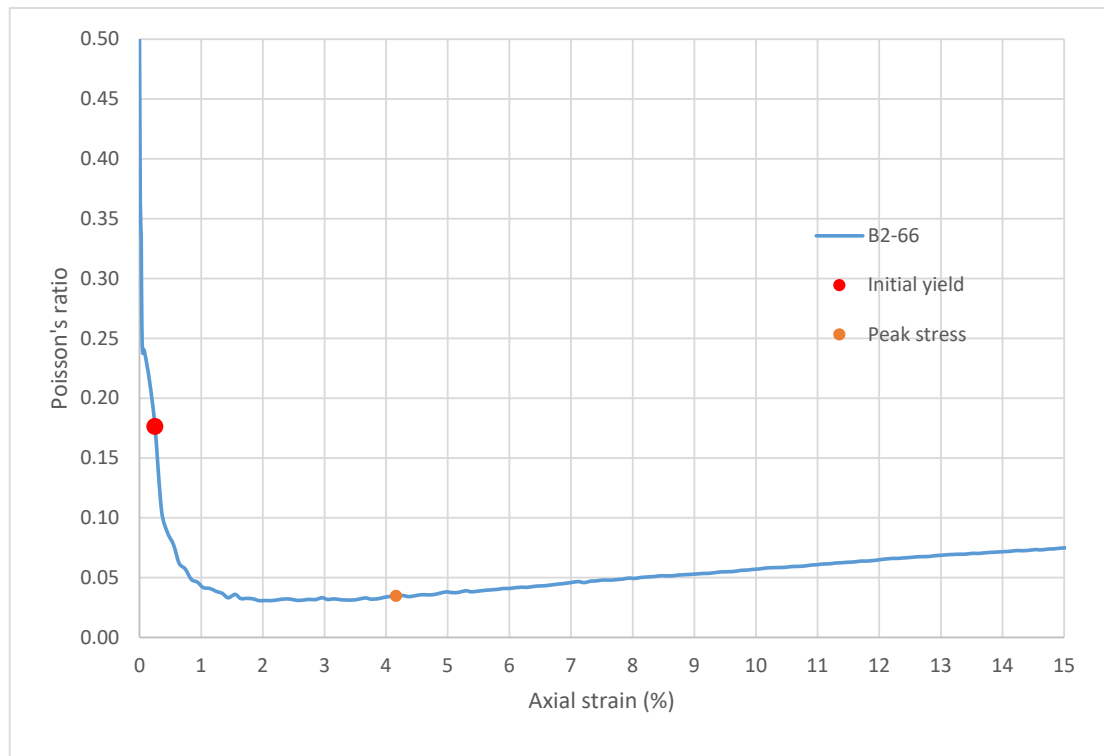
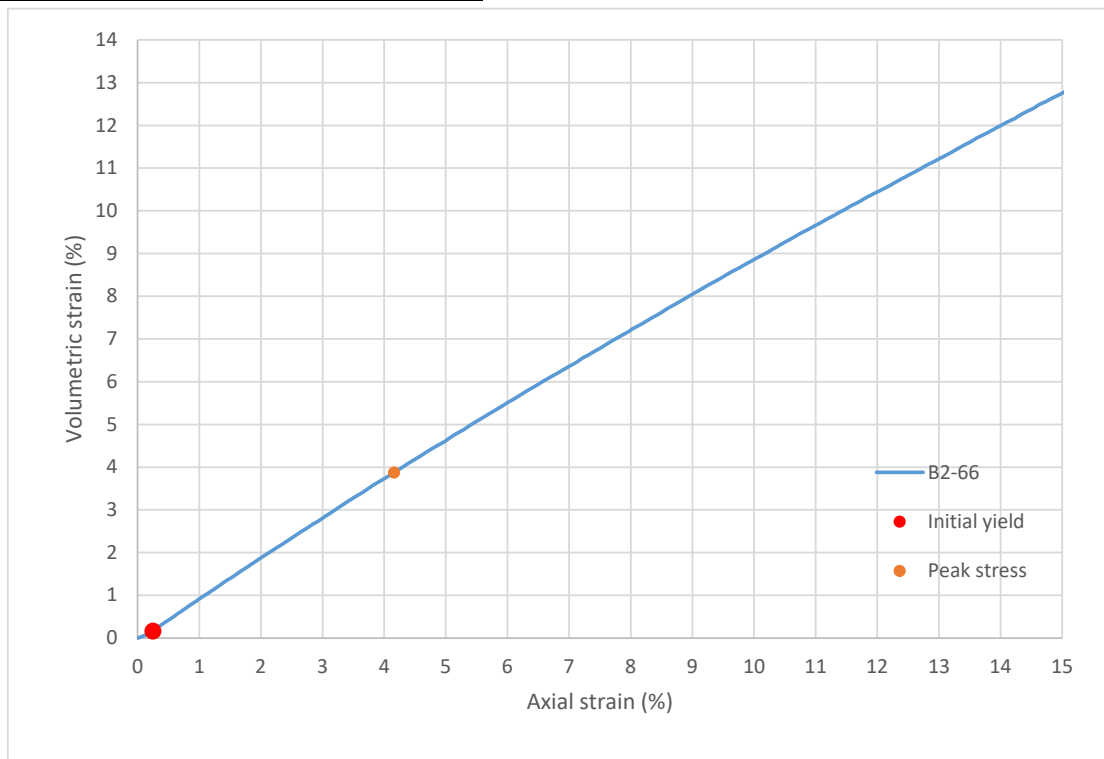
Consolidated-Drained Triaxial Shear, Lightweight Cellular Concrete

Sample ID:	B2-66
Height (in):	5.537
Height (mm):	140.6
Diameter (in):	2.948
Diameter (mm):	74.89
Area (in ²):	6.828
Area (mm ²):	4405
Mass (g):	280.93
Weight (lb):	0.6193
Weight (kN):	0.002755
Volume (in ³):	37.81
Volume (mm ³):	619514
Density (g/mm ³):	0.0004535
Density (kg/m ³):	453.5
Unit weight (pcf):	28.31
Dry unit weight (pcf):	19.59
Unit Weight (kN/m ³):	4.447
Wet mass + tare (g):	455.63
Dry mass + tare (g):	374.89
Tare (g):	193.60
Water content (%):	44.54
Saturation (%):	15.83
H:D ratio:	1.878
Age (days):	1067
Treatment:	D1

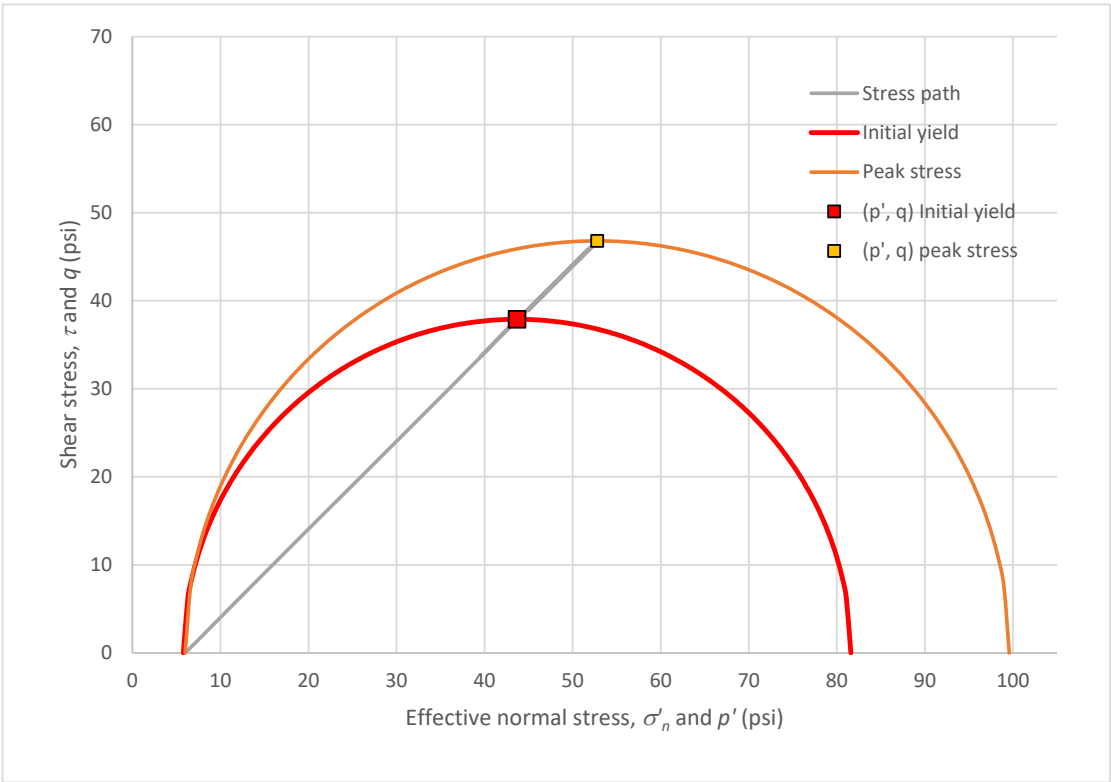
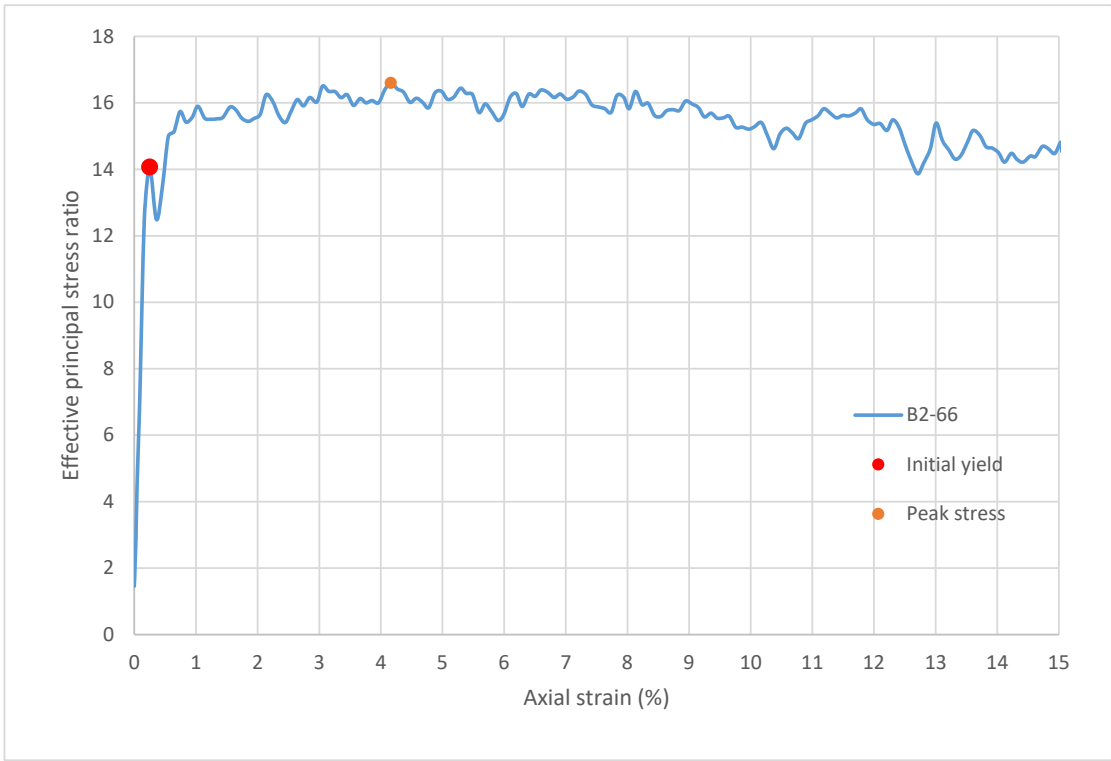
Strain rate (%/min):	0.2
Mean σ'_3 (psi):	6.0
Initial modulus (psi):	30273
Initial yield	
Time to failure (min):	1.3
Axial strain at failure (%):	0.250
σ'_1 (psi):	81.59
σ'_3 (psi):	5.80
$\sigma'_1 - \sigma'_3$ (psi):	75.79
σ'_1 / σ'_3 :	14.07
p' (psi):	43.69
q (psi):	37.89
Volumetric strain (%):	0.162
Poisson's ratio:	0.176
Peak stress	
Time to failure (min):	20.8
Axial strain at failure (%):	4.163
σ'_1 (psi):	99.59
σ'_3 (psi):	6.00
$\sigma'_1 - \sigma'_3$ (psi):	93.59
σ'_1 / σ'_3 :	16.60
p' (psi):	52.79
q (psi):	46.80
Volumetric strain (%):	3.873
Poisson's ratio:	0.035



Sample ID: B2-66



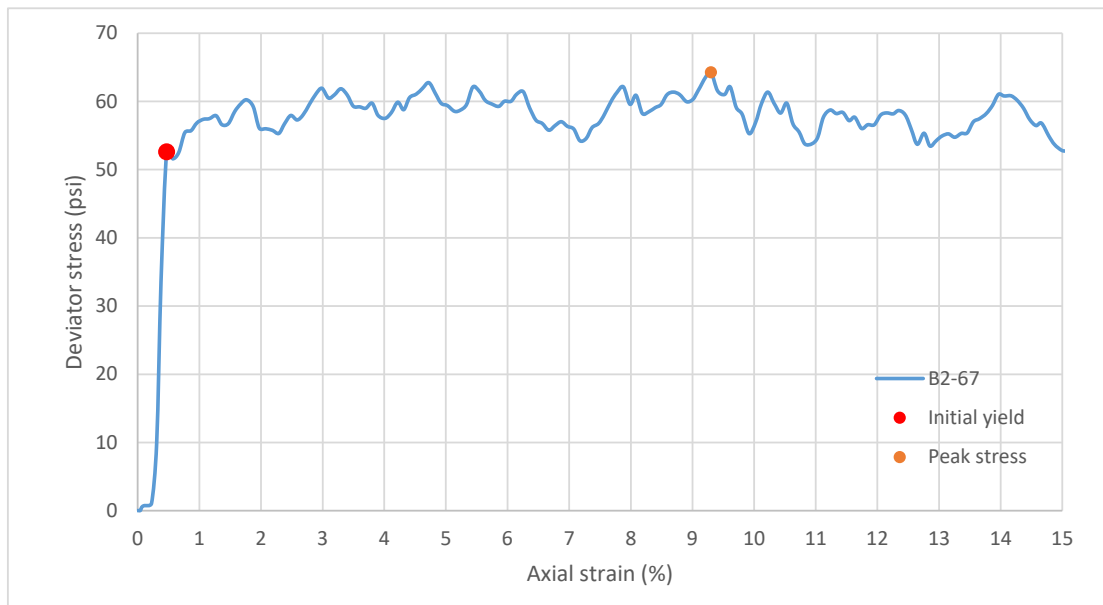
Sample ID: **B2-66**



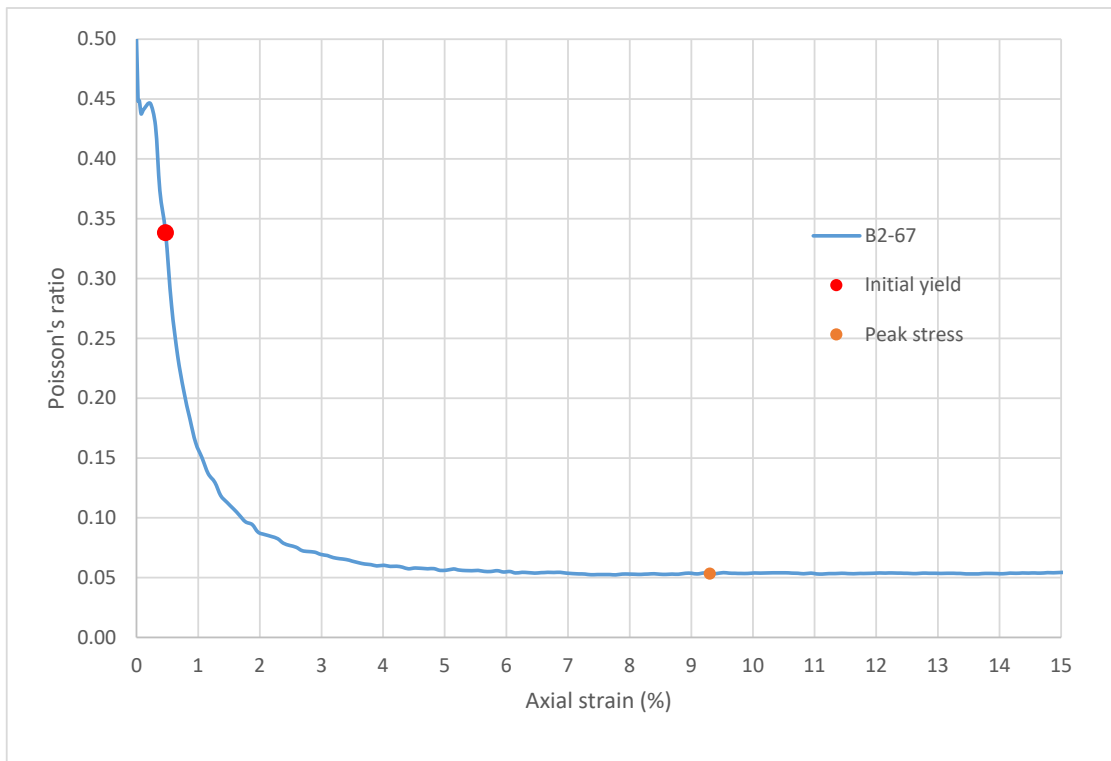
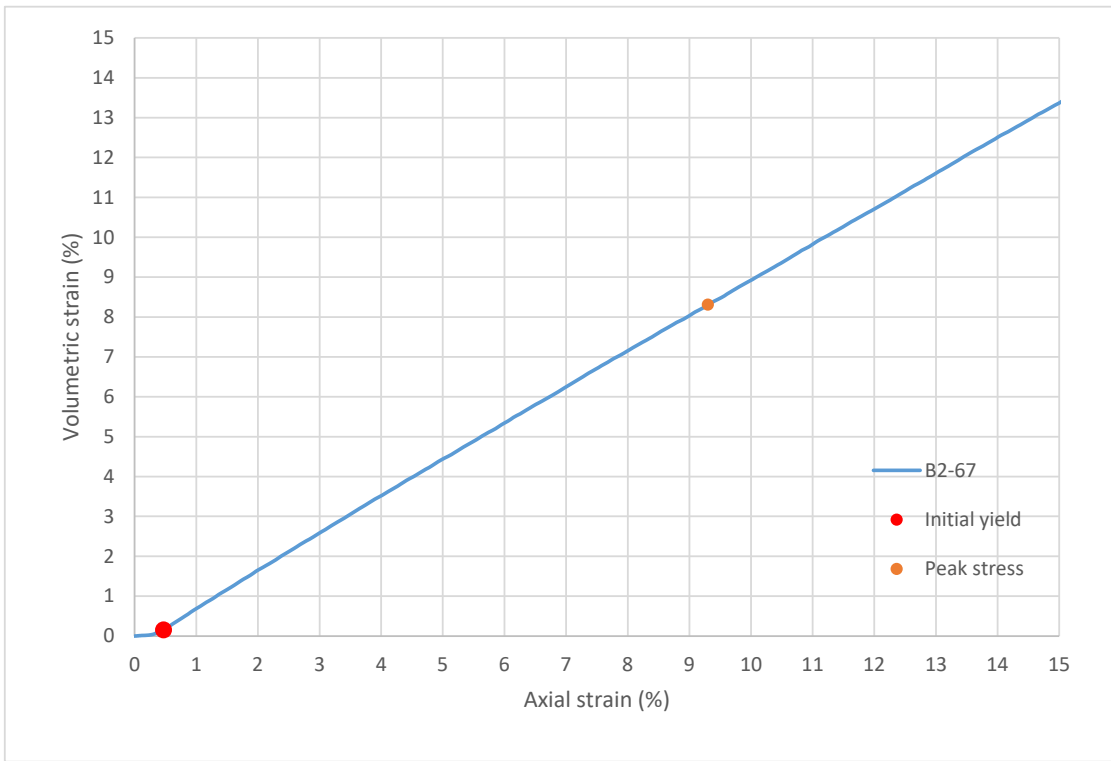
Consolidated-Drained Triaxial Shear, Lightweight Cellular Concrete

Sample ID:	B2-67
Height (in):	5.482
Height (mm):	139.3
Diameter (in):	2.964
Diameter (mm):	75.28
Area (in ²):	6.899
Area (mm ²):	4451
Mass (g):	293.46
Weight (lb):	0.6470
Weight (kN):	0.002878
Volume (in ³):	37.82
Volume (mm ³):	619795
Density (g/mm ³):	0.0004735
Density (kg/m ³):	473.5
Unit weight (pcf):	29.56
Dry unit weight (pcf):	19.91
Unit Weight (kN/m ³):	4.643
Wet mass + tare (g):	403.19
Dry mass + tare (g):	312.10
Tare (g):	124.08
Water content (%)	48.45
Saturation (%)	17.55
H:D ratio:	1.850
Age (days):	1073
Treatment:	D1

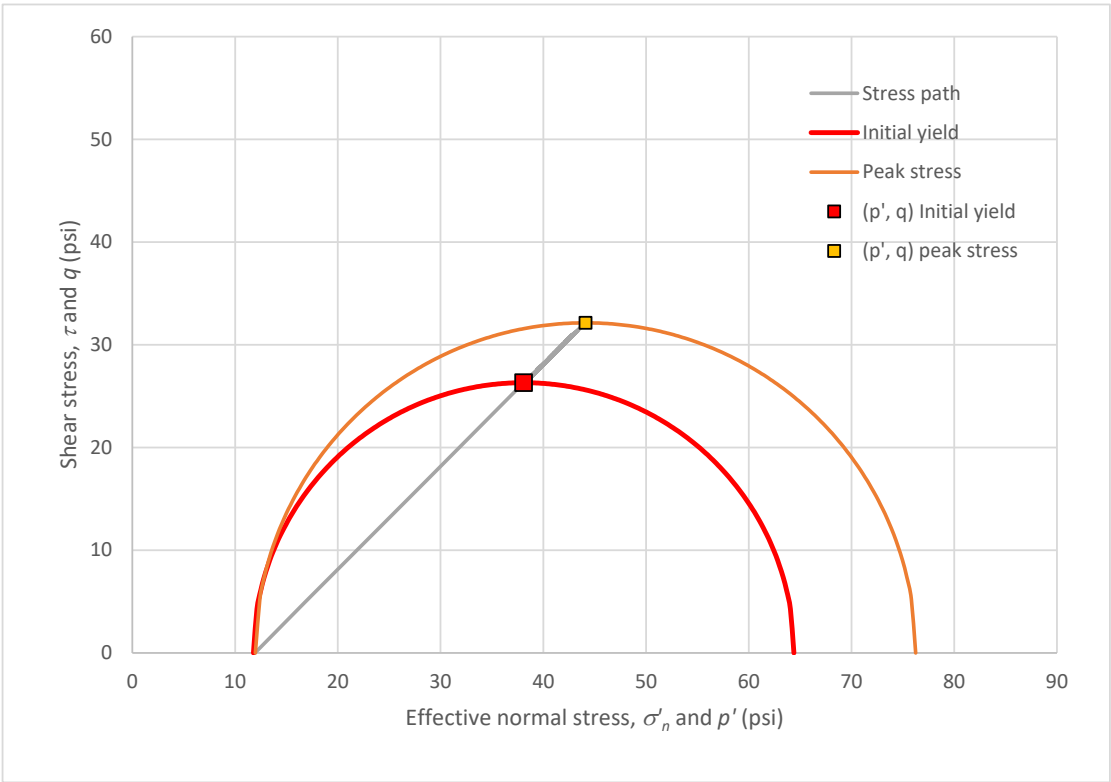
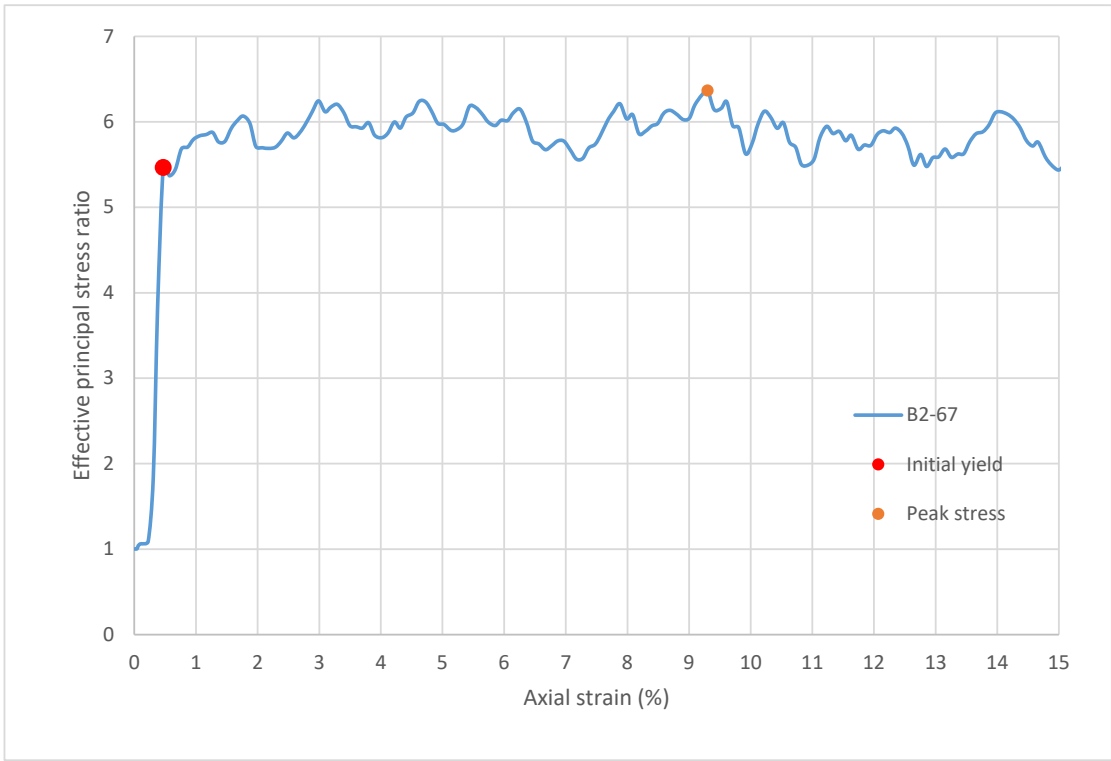
Strain rate (%/min):	0.2
Mean σ'_3 (psi):	11.9
Initial modulus (psi):	20949
Initial yield	
Time to failure (min):	2.4
Axial strain at failure (%):	0.470
σ'_1 (psi):	64.40
σ'_3 (psi):	11.78
$\sigma'_1 - \sigma'_3$ (psi):	52.62
σ'_1 / σ'_3 :	5.47
p' (psi):	38.09
q (psi):	26.31
Volumetric strain (%):	0.152
Poisson's ratio:	0.338
Peak stress	
Time to failure (min):	46.5
Axial strain at failure (%):	9.301
σ'_1 (psi):	76.25
σ'_3 (psi):	11.98
$\sigma'_1 - \sigma'_3$ (psi):	64.27
σ'_1 / σ'_3 :	6.37
p' (psi):	44.11
q (psi):	32.14
Volumetric strain (%):	8.309
Poisson's ratio:	0.053



Sample ID: **B2-67**



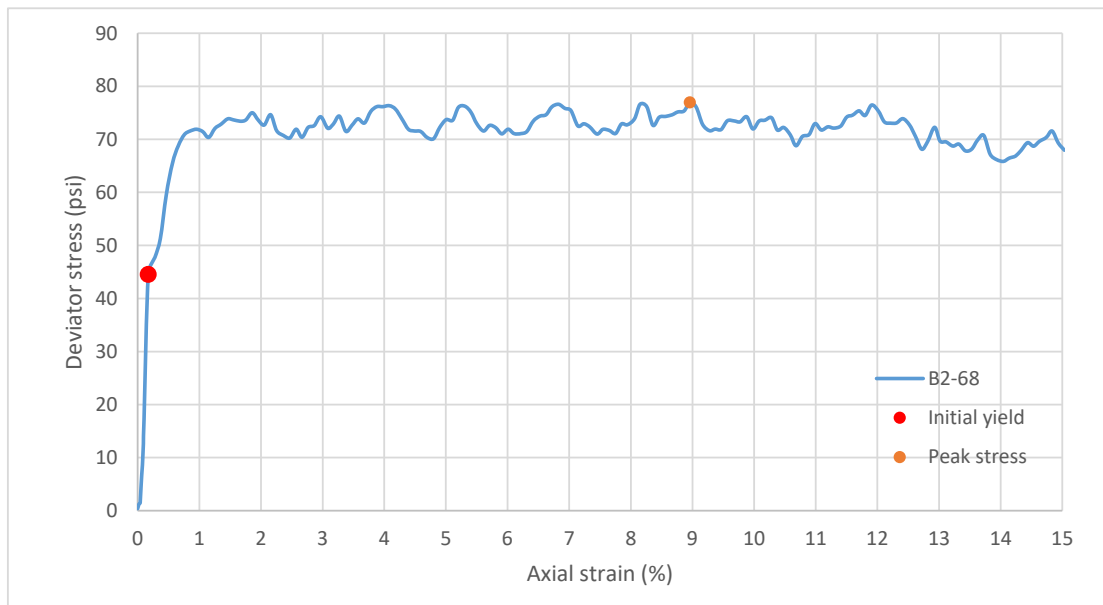
Sample ID: **B2-67**



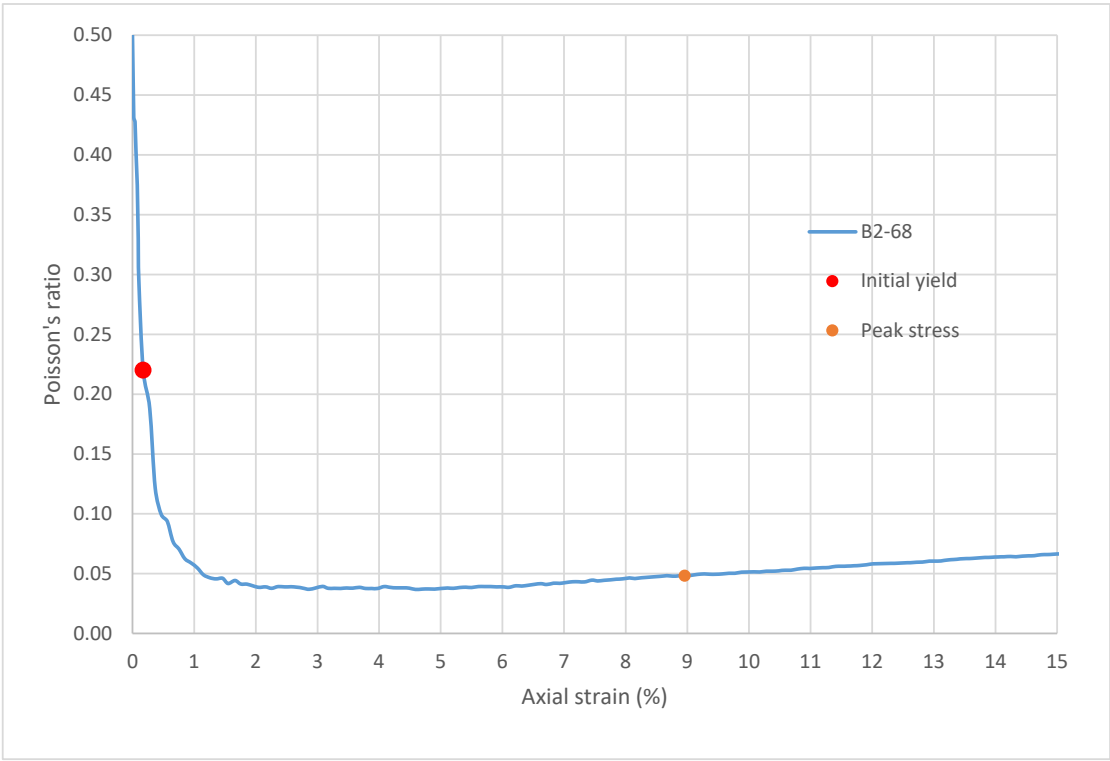
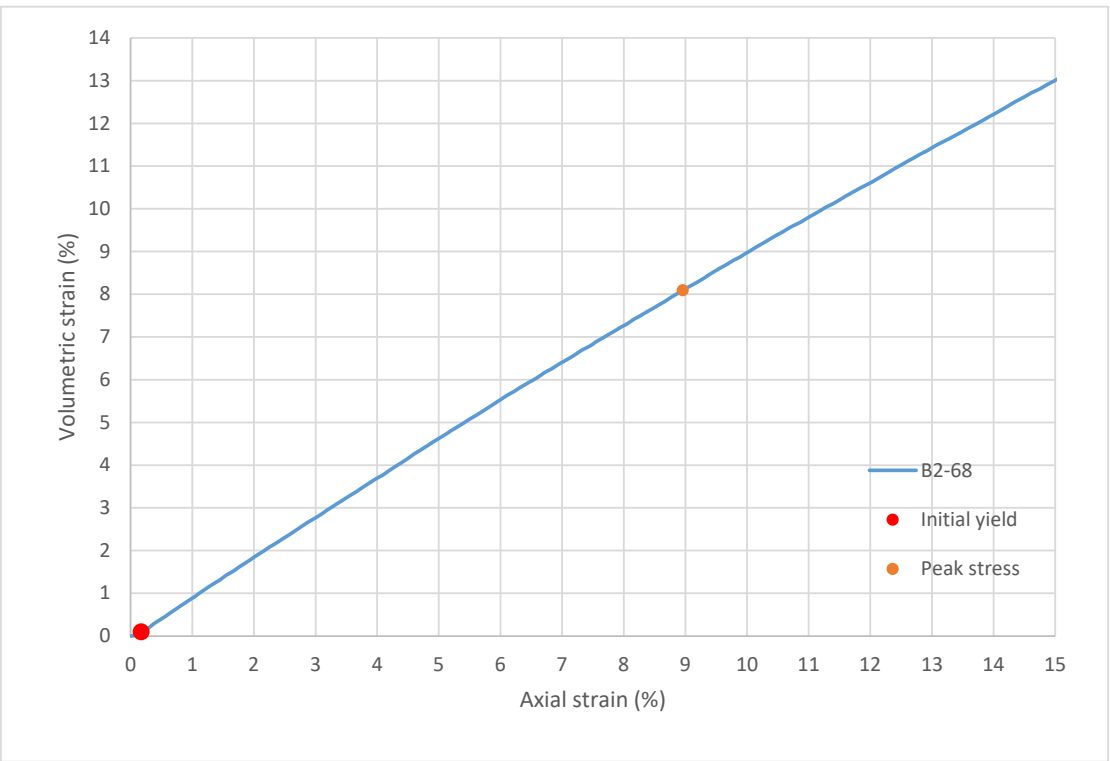
Consolidated-Drained Triaxial Shear, Lightweight Cellular Concrete

Sample ID:	B2-68
Height (in):	5.519
Height (mm):	140.2
Diameter (in):	2.962
Diameter (mm):	75.24
Area (in ²):	6.891
Area (mm ²):	4446
Mass (g):	295.76
Weight (lb):	0.6520
Weight (kN):	0.002900
Volume (in ³):	38.03
Volume (mm ³):	623276
Density (g/mm ³):	0.0004745
Density (kg/m ³):	474.5
Unit weight (pcf):	29.62
Dry unit weight (pcf):	19.84
Unit Weight (kN/m ³):	4.654
Wet mass + tare (g):	395.90
Dry mass + tare (g):	306.34
Tare (g):	124.62
Water content (%):	49.28
Saturation (%):	17.78
H:D ratio:	1.863
Age (days):	1072
Treatment:	W1

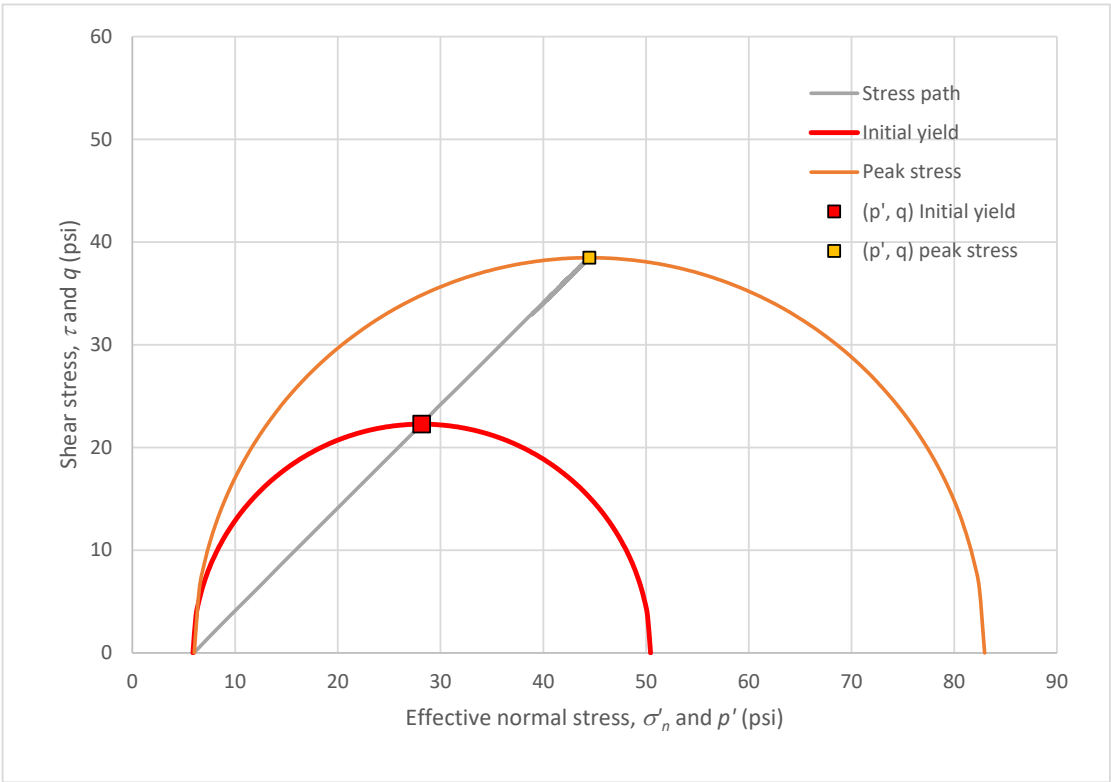
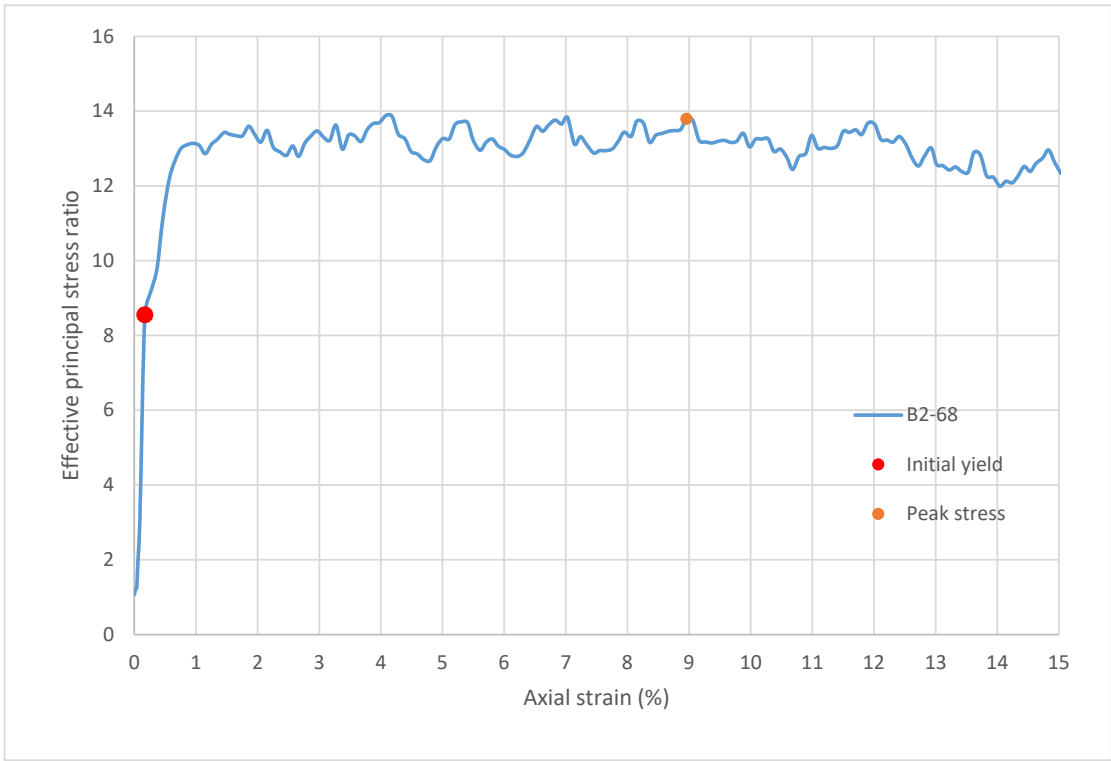
Strain rate (%/min):	0.2
Mean σ'_3 (psi):	6.0
Initial modulus (psi):	25796
Initial yield	
Time to failure (min):	0.9
Axial strain at failure (%):	0.173
σ'_1 (psi):	50.44
σ'_3 (psi):	5.90
$\sigma'_1 - \sigma'_3$ (psi):	44.54
σ'_1 / σ'_3 :	8.55
p' (psi):	28.17
q (psi):	22.27
Volumetric strain (%):	0.097
Poisson's ratio:	0.220
Peak stress	
Time to failure (min):	44.8
Axial strain at failure (%):	8.959
σ'_1 (psi):	82.96
σ'_3 (psi):	6.01
$\sigma'_1 - \sigma'_3$ (psi):	76.95
σ'_1 / σ'_3 :	13.79
p' (psi):	44.49
q (psi):	38.47
Volumetric strain (%):	8.094
Poisson's ratio:	0.048



Sample ID: **B2-68**



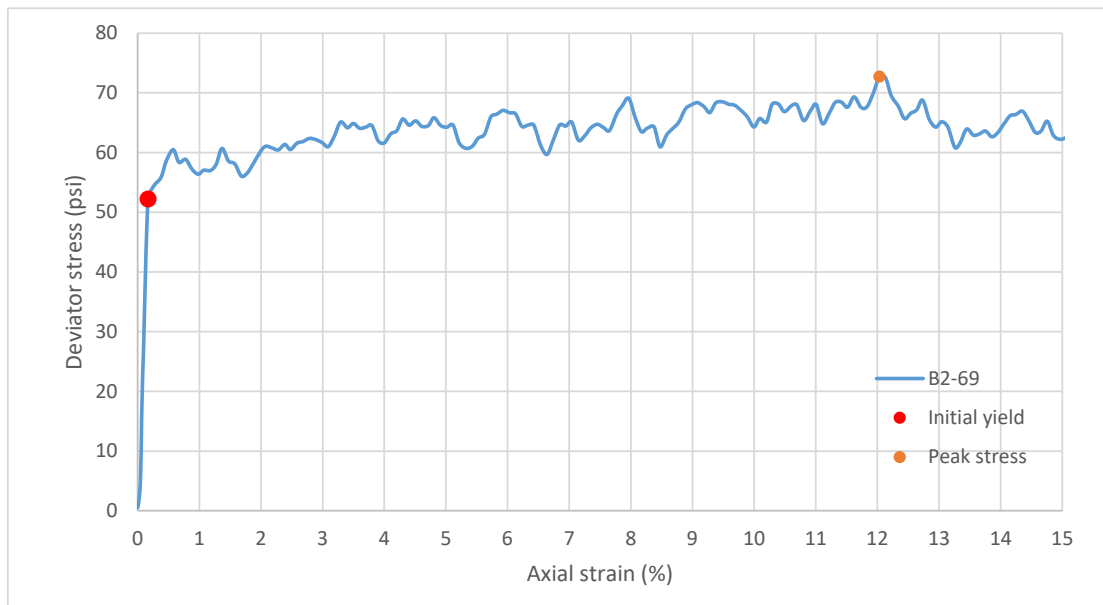
Sample ID: **B2-68**



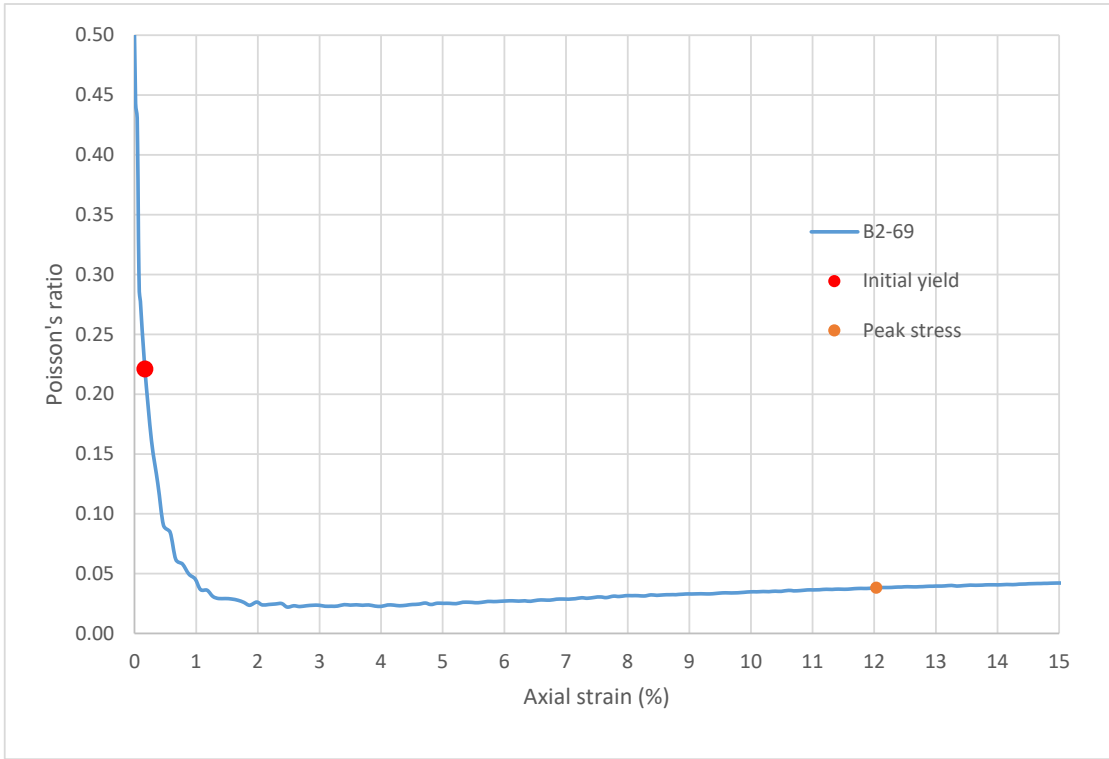
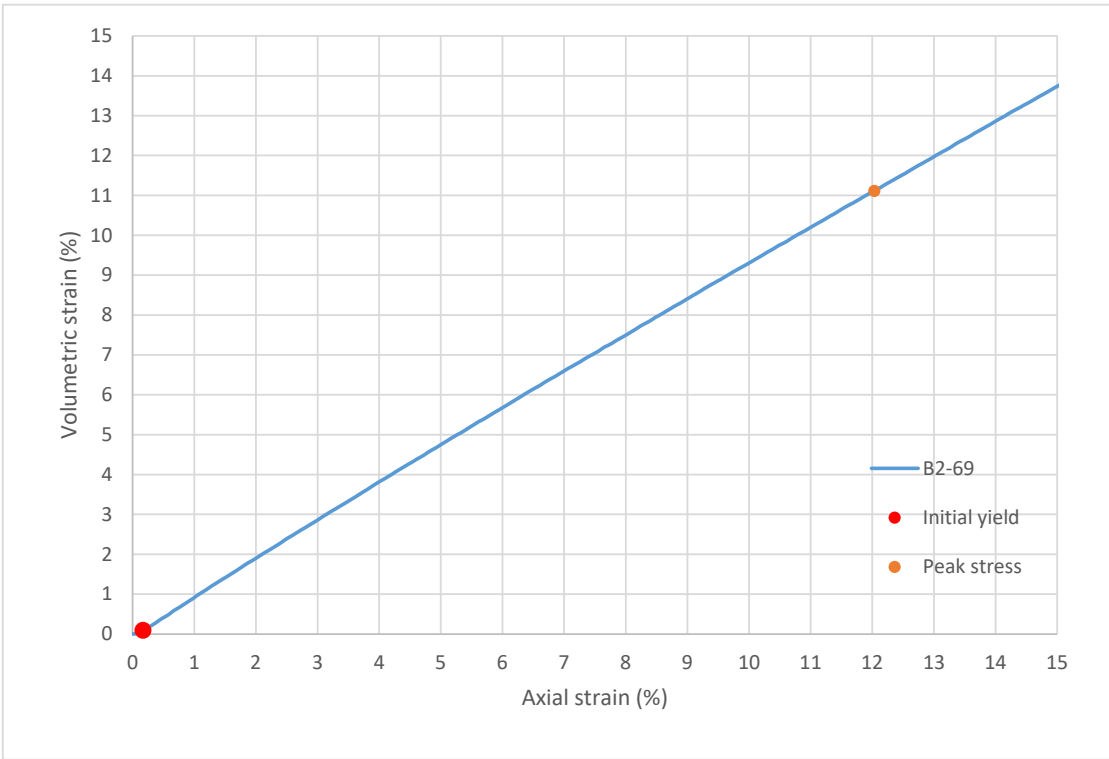
Consolidated-Drained Triaxial Shear, Lightweight Cellular Concrete

Sample ID:	B2-69
Height (in):	5.500
Height (mm):	139.7
Diameter (in):	2.941
Diameter (mm):	74.71
Area (in ²):	6.794
Area (mm ²):	4383
Mass (g):	302.71
Weight (lb):	0.6674
Weight (kN):	0.002969
Volume (in ³):	37.37
Volume (mm ³):	612364
Density (g/mm ³):	0.0004943
Density (kg/m ³):	494.3
Unit weight (pcf):	30.86
Dry unit weight (pcf):	20.75
Unit Weight (kN/m ³):	4.848
Wet mass + tare (g):	363.83
Dry mass + tare (g):	286.37
Tare (g):	127.49
Water content (%):	48.75
Saturation (%):	18.50
H:D ratio:	1.870
Age (days):	1072
Treatment:	W1

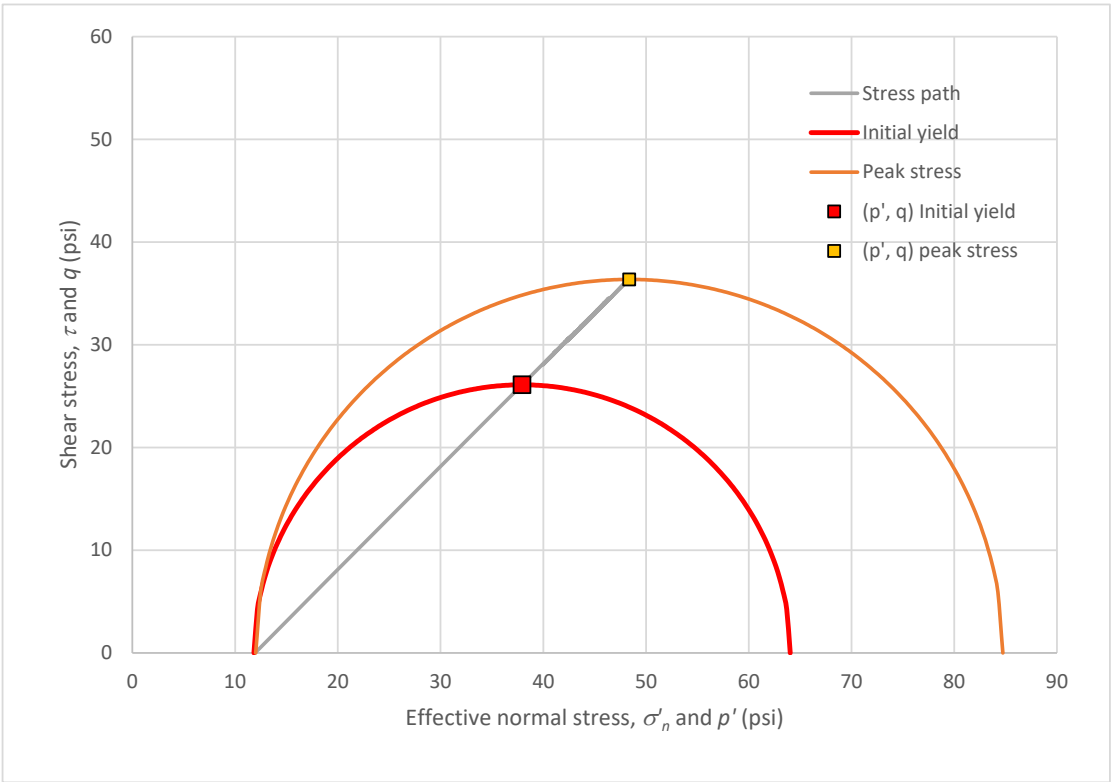
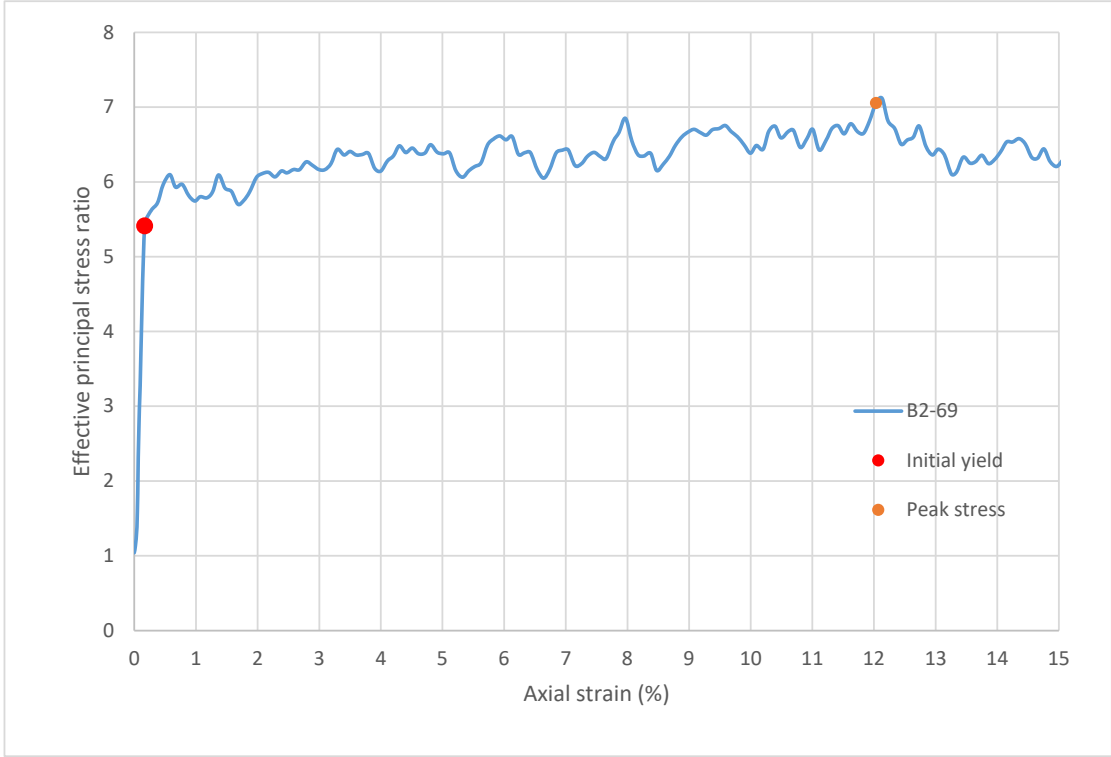
Strain rate (%/min):	0.2
Mean σ'_3 (psi):	11.9
Initial modulus (psi):	30946
Initial yield	
Time to failure (min):	0.8
Axial strain at failure (%):	0.169
σ'_1 (psi):	64.04
σ'_3 (psi):	11.83
$\sigma'_1 - \sigma'_3$ (psi):	52.20
σ'_1 / σ'_3 :	5.41
p' (psi):	37.93
q (psi):	26.10
Volumetric strain (%):	0.094
Poisson's ratio:	0.221
Peak stress	
Time to failure (min):	60.2
Axial strain at failure (%):	12.034
σ'_1 (psi):	84.73
σ'_3 (psi):	12.01
$\sigma'_1 - \sigma'_3$ (psi):	72.72
σ'_1 / σ'_3 :	7.06
p' (psi):	48.37
q (psi):	36.36
Volumetric strain (%):	11.113
Poisson's ratio:	0.038



Sample ID: **B2-69**



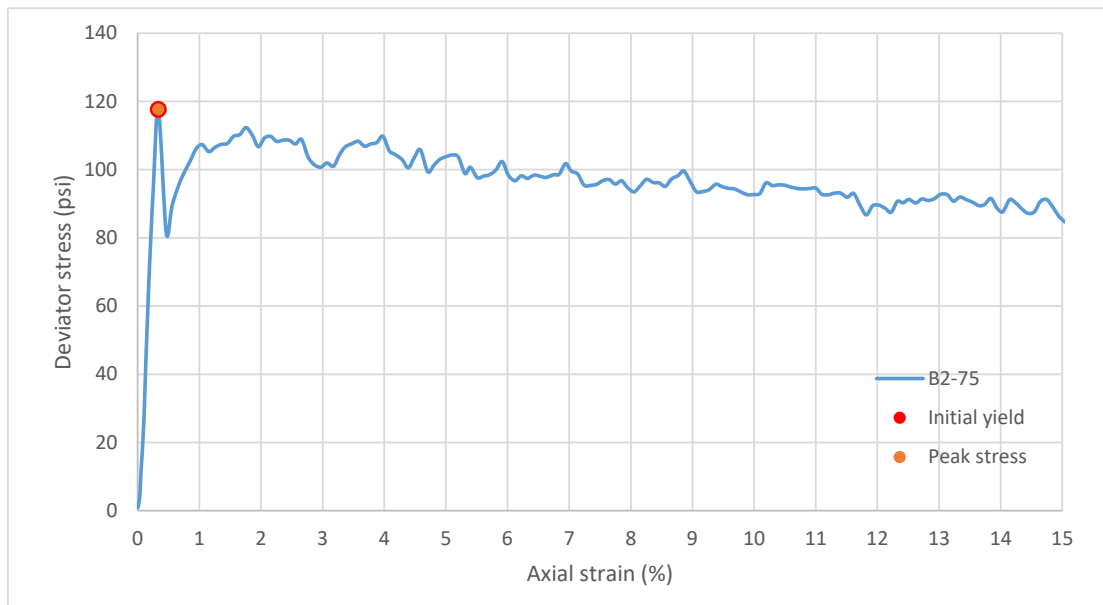
Sample ID: **B2-69**



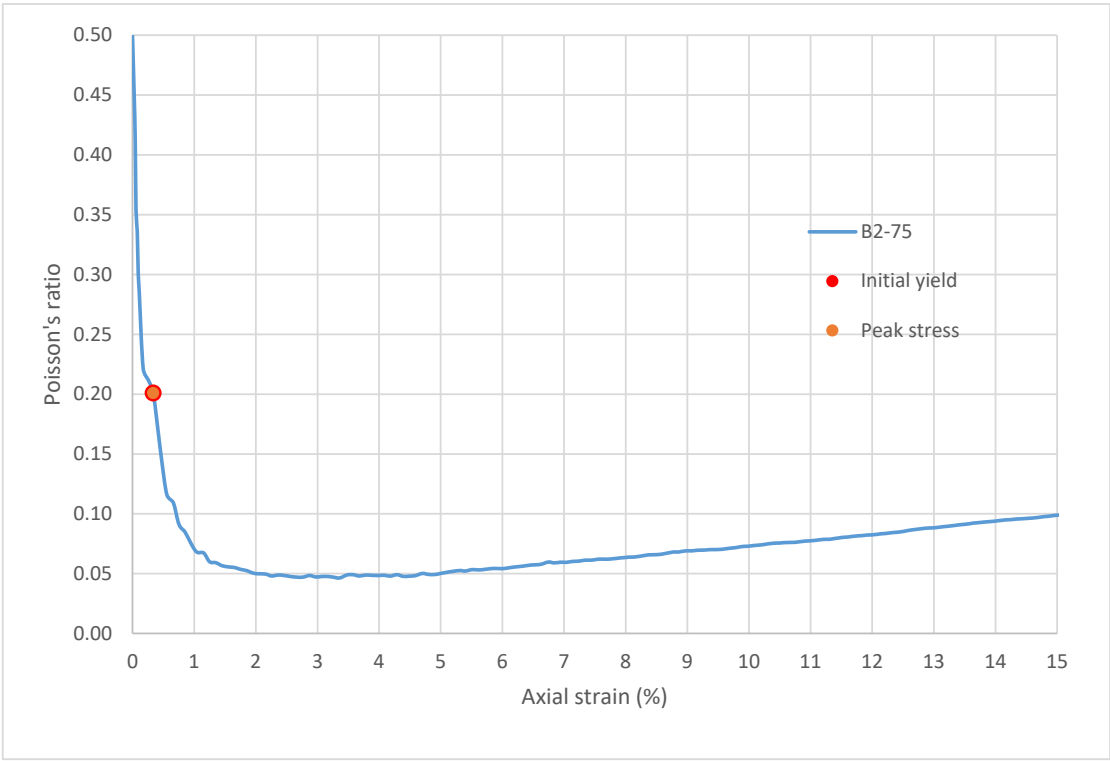
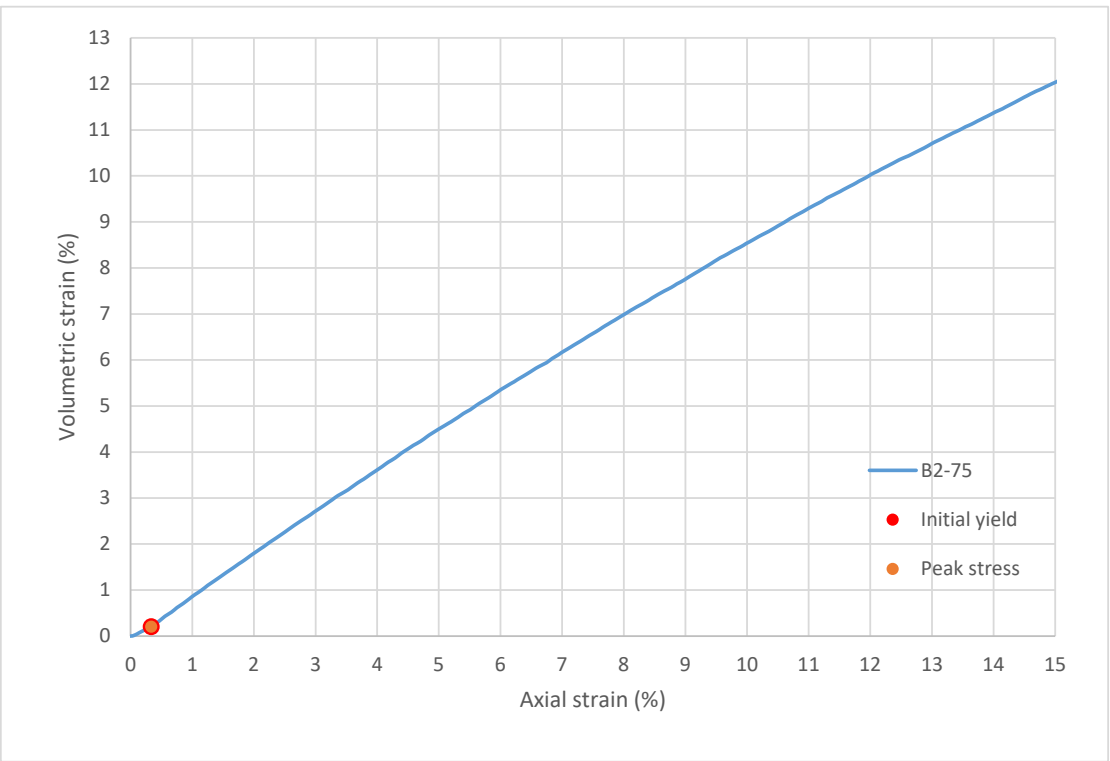
Consolidated-Drained Triaxial Shear, Lightweight Cellular Concrete

Sample ID:	B2-75
Height (in):	5.443
Height (mm):	138.3
Diameter (in):	2.953
Diameter (mm):	75.01
Area (in ²):	6.850
Area (mm ²):	4420
Mass (g):	245.42
Weight (lb):	0.5411
Weight (kN):	0.002407
Volume (in ³):	37.29
Volume (mm ³):	611056
Density (g/mm ³):	0.0004016
Density (kg/m ³):	401.6
Unit weight (pcf):	25.07
Dry unit weight (pcf):	19.53
Unit Weight (kN/m ³):	3.939
Wet mass + tare (g):	358.08
Dry mass + tare (g):	306.96
Tare (g):	126.81
Water content (%):	28.38
Saturation (%):	10.05
H:D ratio:	1.843
Age (days):	1076
Treatment:	M5

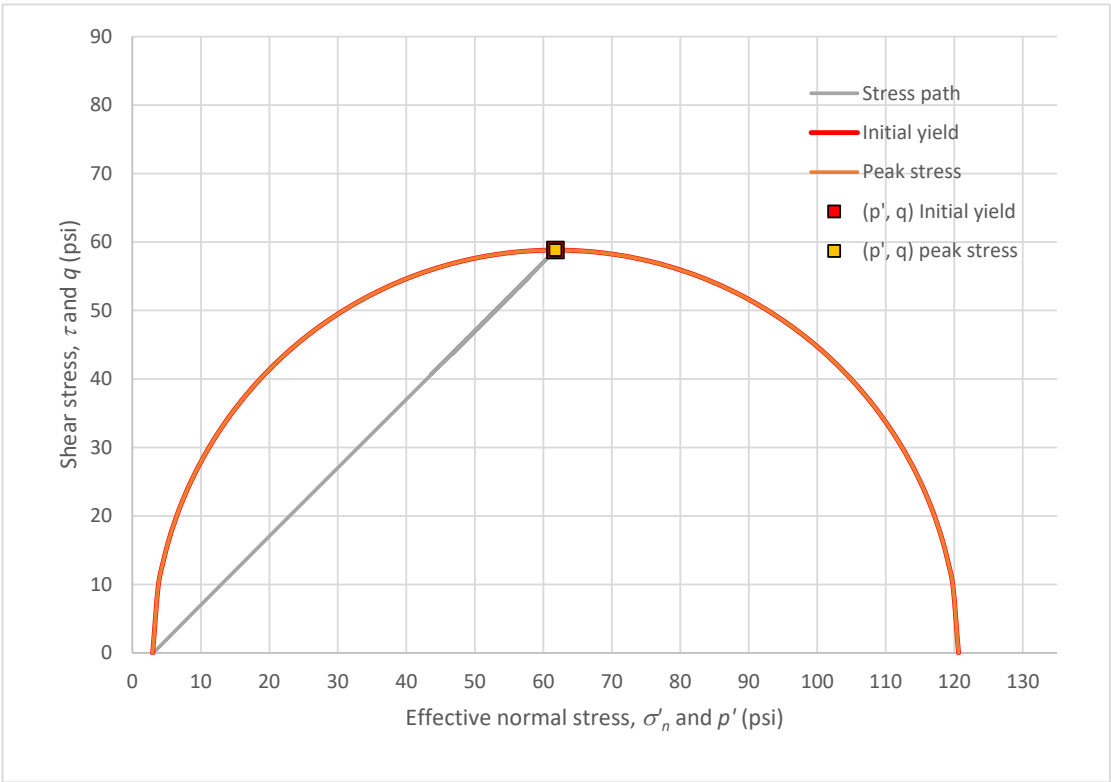
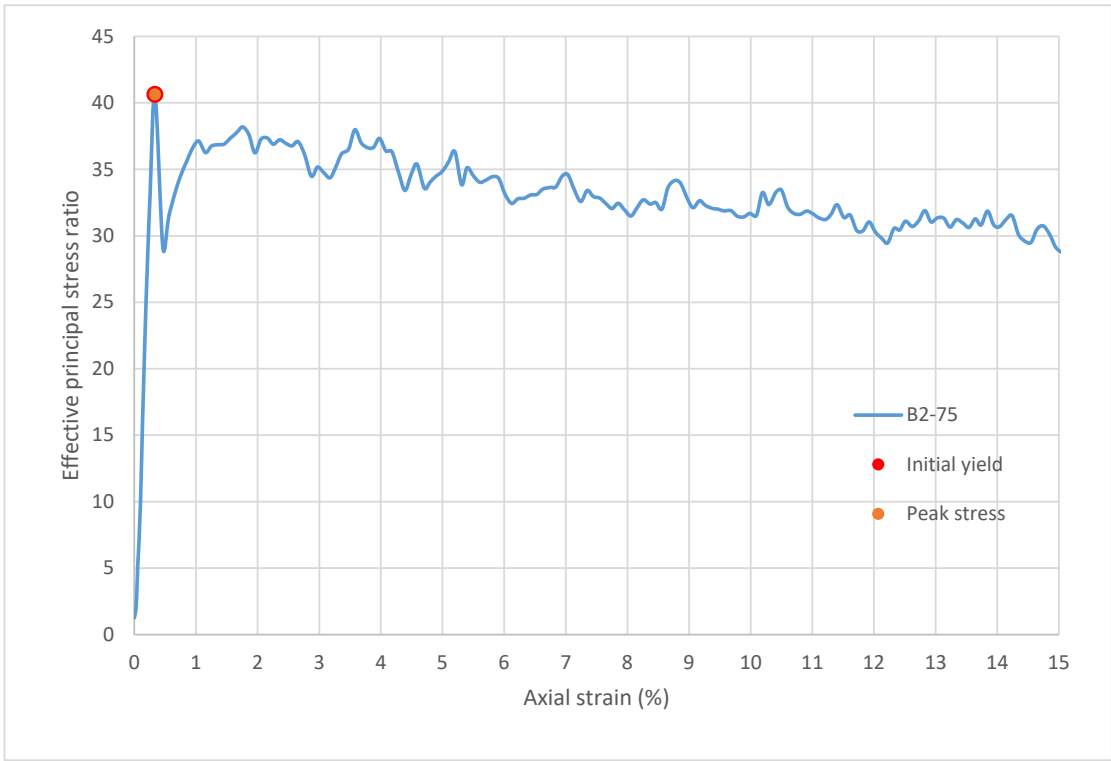
Strain rate (%/min):	0.2
Mean σ'_3 (psi):	3.0
Initial modulus (psi):	35072
Initial yield	
Time to failure (min):	1.7
Axial strain at failure (%):	0.335
σ'_1 (psi):	120.62
σ'_3 (psi):	2.97
$\sigma'_1 - \sigma'_3$ (psi):	117.65
σ'_1 / σ'_3 :	40.64
p' (psi):	61.79
q (psi):	58.82
Volumetric strain (%):	0.201
Poisson's ratio:	0.201
Peak stress	
Time to failure (min):	1.7
Axial strain at failure (%):	0.335
σ'_1 (psi):	120.62
σ'_3 (psi):	2.97
$\sigma'_1 - \sigma'_3$ (psi):	117.65
σ'_1 / σ'_3 :	40.64
p' (psi):	61.79
q (psi):	58.82
Volumetric strain (%):	0.201
Poisson's ratio:	0.201



Sample ID: **B2-75**



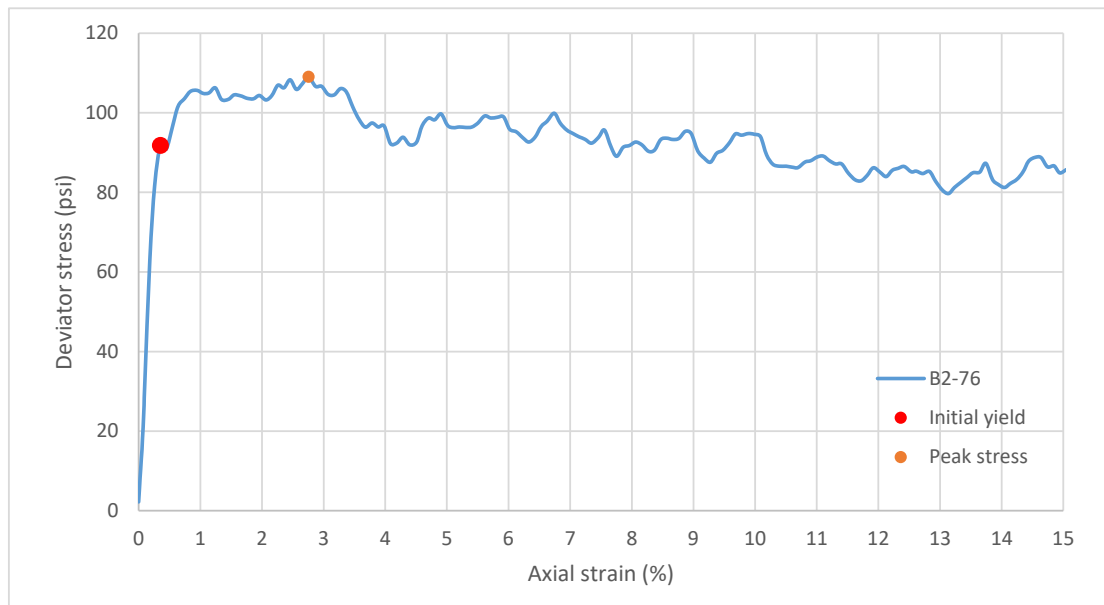
Sample ID: **B2-75**



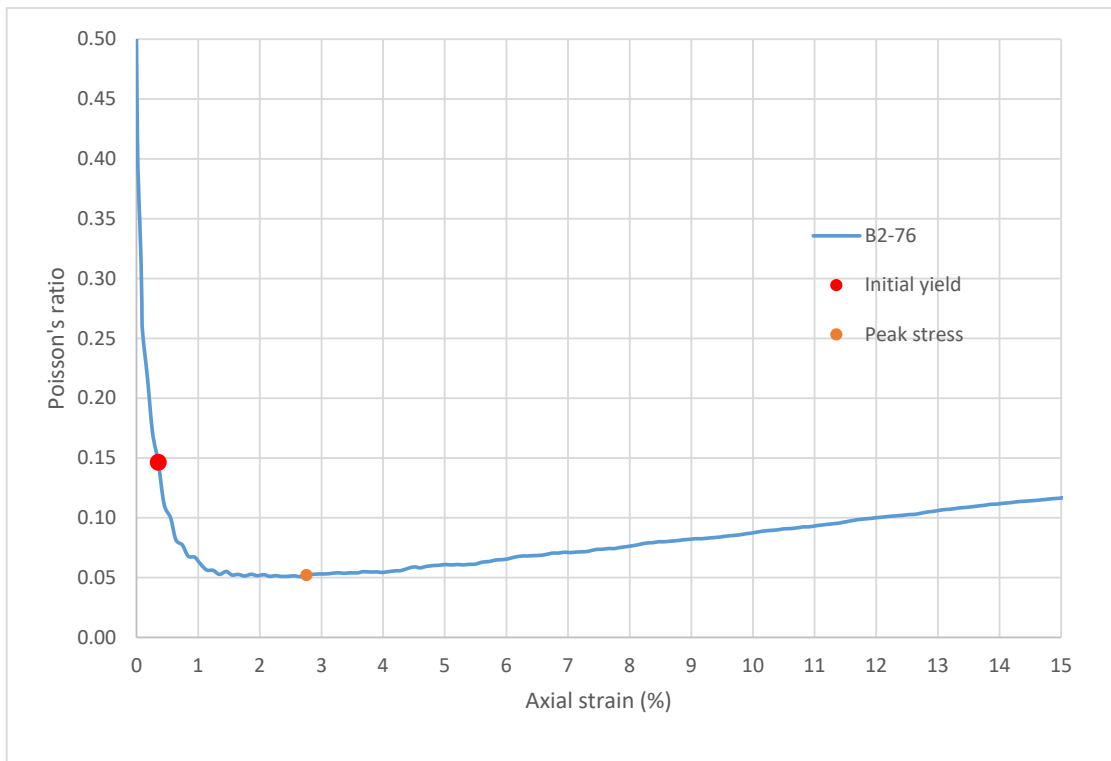
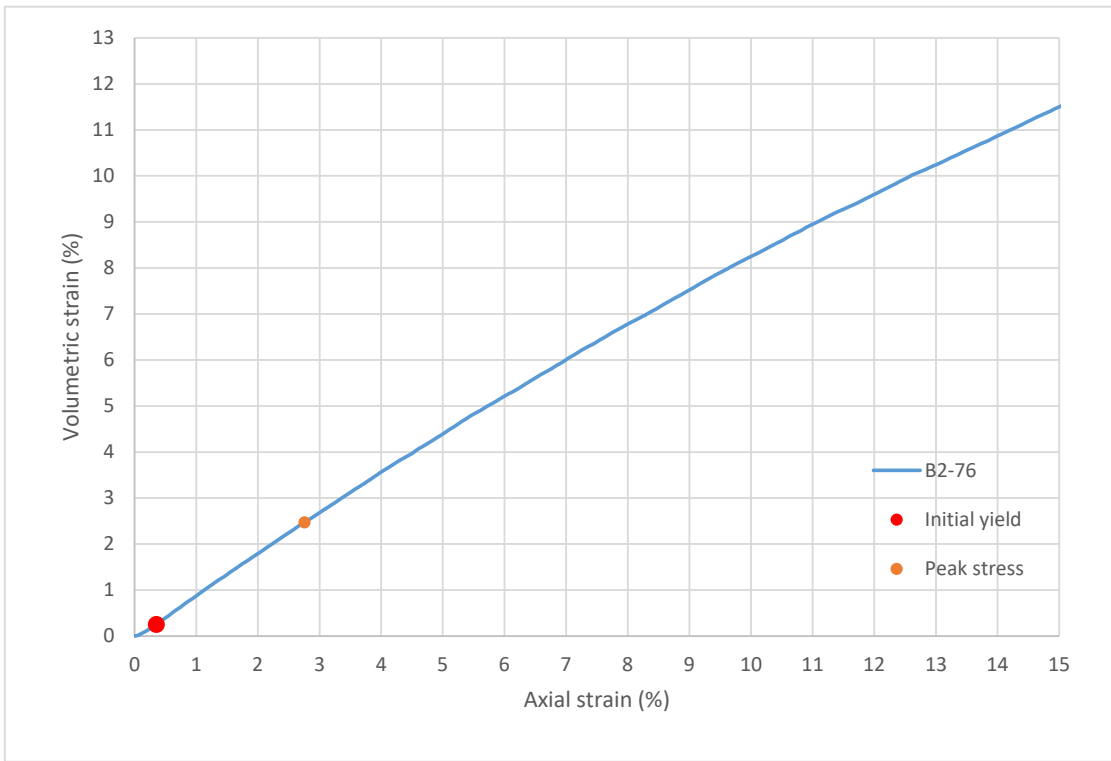
Consolidated-Drained Triaxial Shear, Lightweight Cellular Concrete

Sample ID:	B2-76
Height (in):	5.475
Height (mm):	139.1
Diameter (in):	2.955
Diameter (mm):	75.05
Area (in ²):	6.856
Area (mm ²):	4423
Mass (g):	248.27
Weight (lb):	0.5473
Weight (kN):	0.002435
Volume (in ³):	37.54
Volume (mm ³):	615157
Density (g/mm ³):	0.0004036
Density (kg/m ³):	403.6
Unit weight (pcf):	25.20
Dry unit weight (pcf):	19.76
Unit Weight (kN/m ³):	3.958
Wet mass + tare (g):	364.30
Dry mass + tare (g):	313.32
Tare (g):	128.16
Water content (%):	27.53
Saturation (%):	9.88
H:D ratio:	1.853
Age (days):	1076
Treatment:	M5

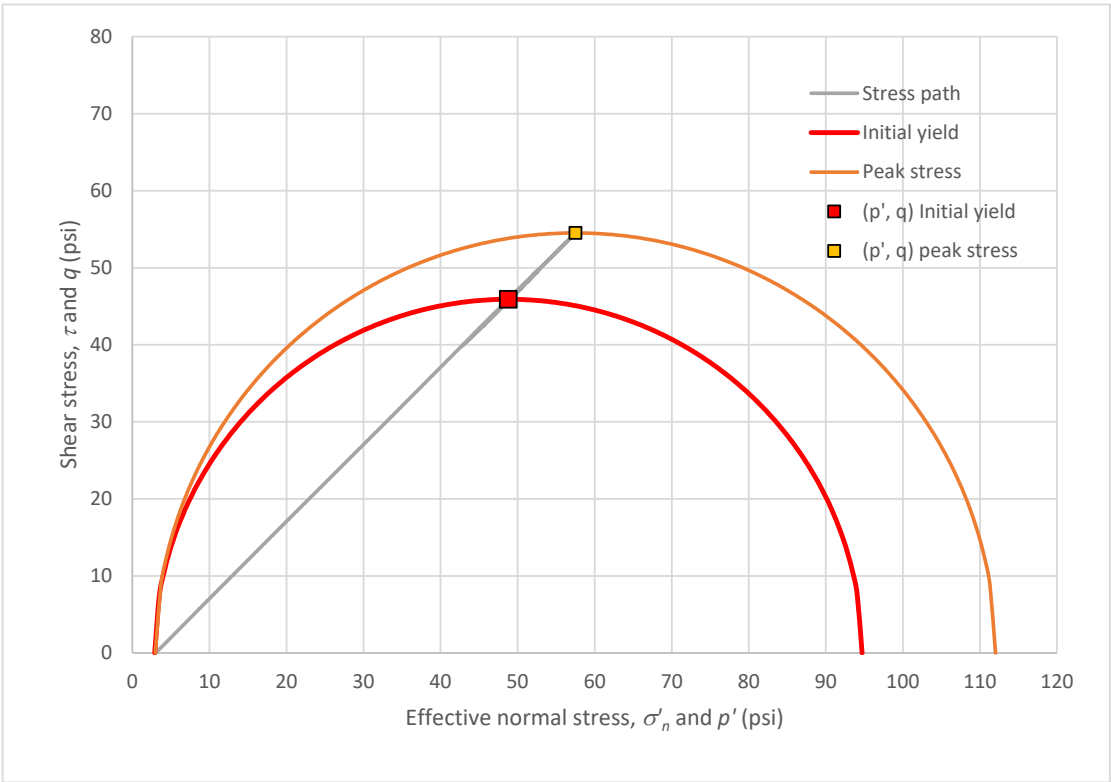
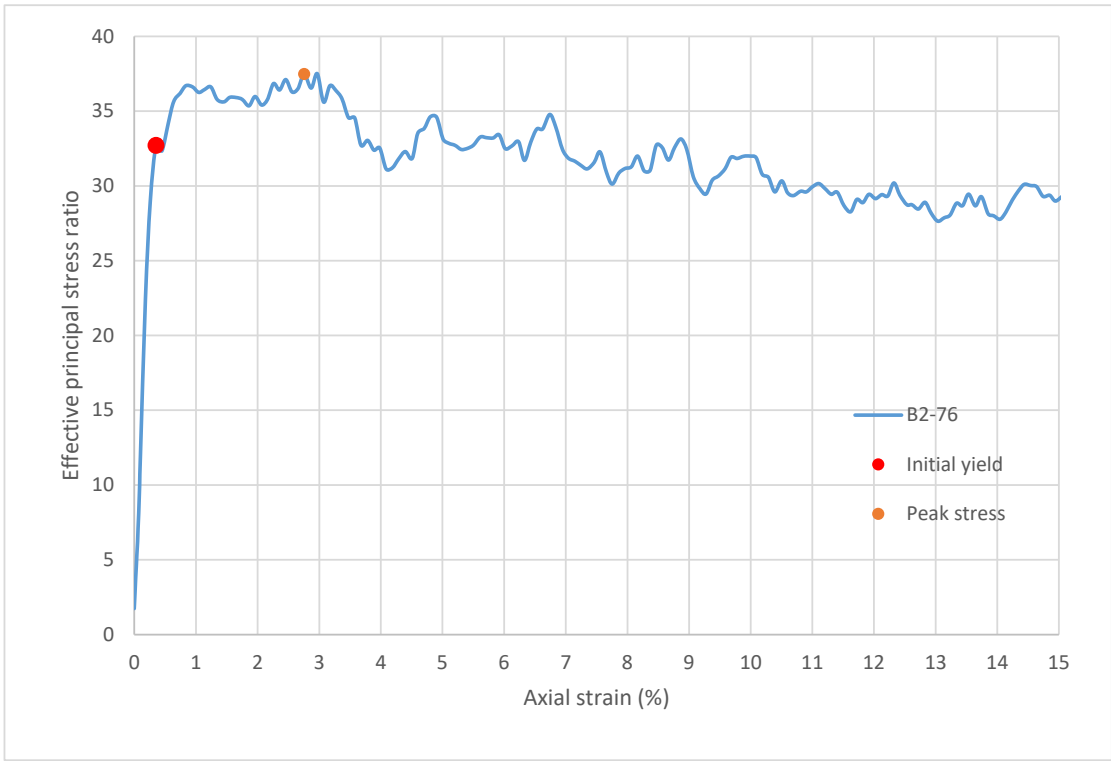
Strain rate (%/min):	0.2
Mean σ'_3 (psi):	3.0
Initial modulus (psi):	26062
Initial yield	
Time to failure (min):	1.8
Axial strain at failure (%):	0.352
σ'_1 (psi):	94.70
σ'_3 (psi):	2.90
$\sigma'_1 - \sigma'_3$ (psi):	91.81
σ'_1 / σ'_3 :	32.71
p' (psi):	48.80
q (psi):	45.90
Volumetric strain (%):	0.249
Poisson's ratio:	0.146
Peak stress	
Time to failure (min):	13.8
Axial strain at failure (%):	2.757
σ'_1 (psi):	112.02
σ'_3 (psi):	2.99
$\sigma'_1 - \sigma'_3$ (psi):	109.03
σ'_1 / σ'_3 :	37.48
p' (psi):	57.50
q (psi):	54.51
Volumetric strain (%):	2.469
Poisson's ratio:	0.052



Sample ID: **B2-76**



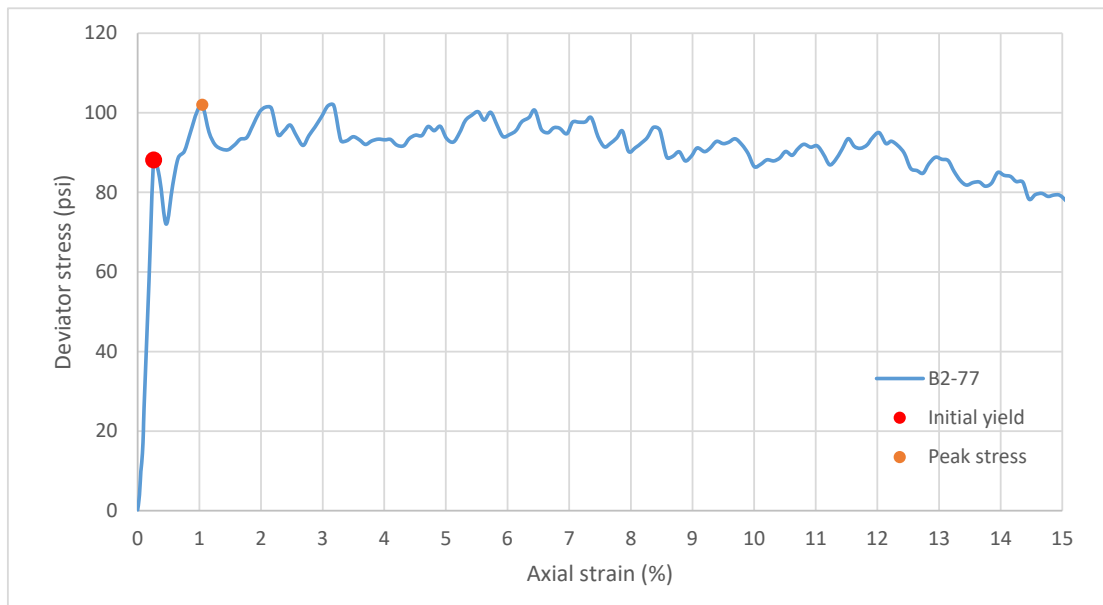
Sample ID: **B2-76**



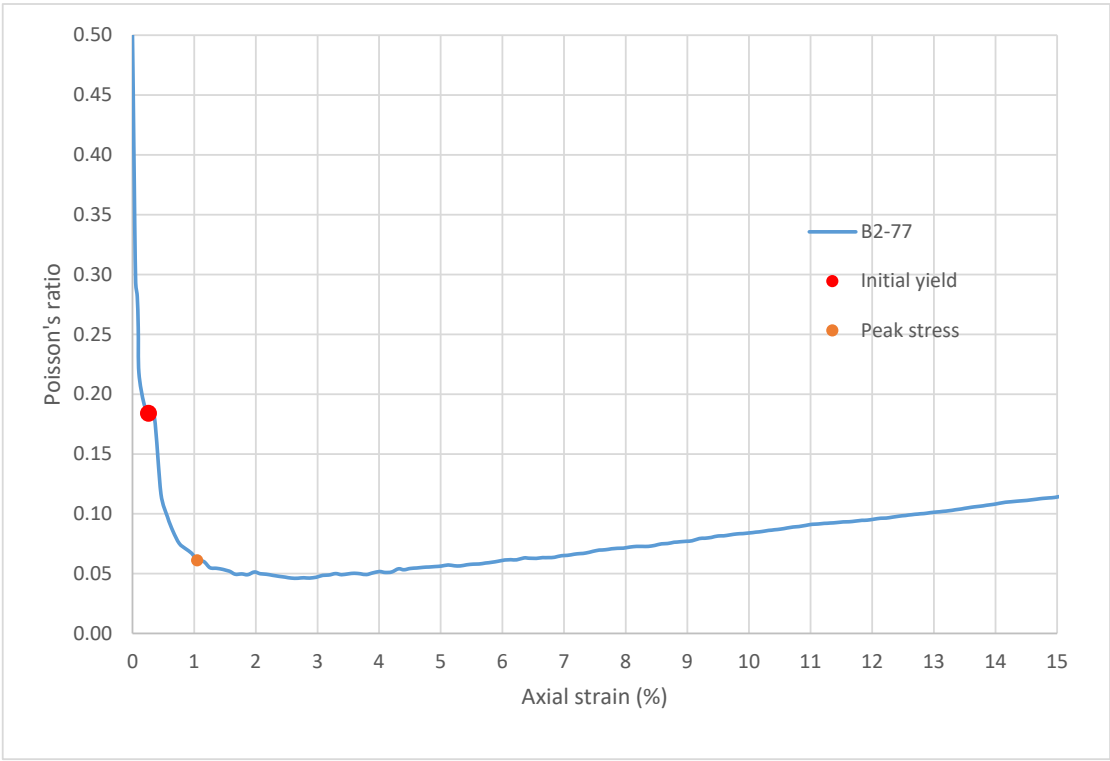
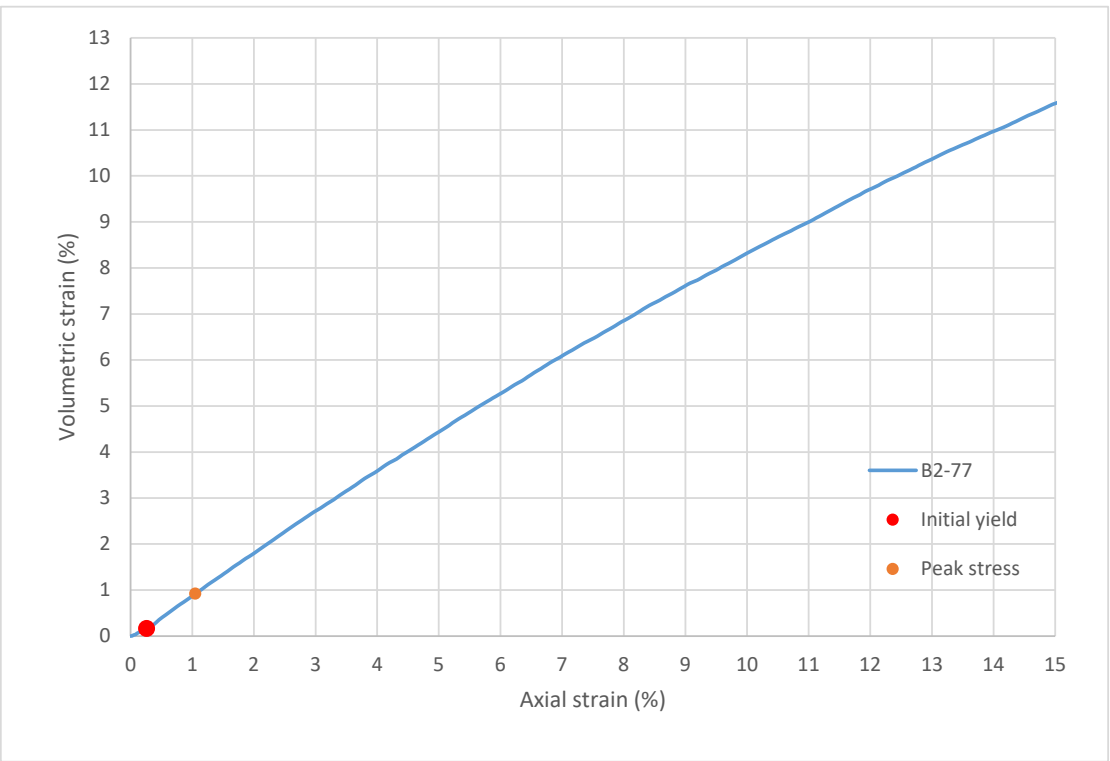
Consolidated-Drained Triaxial Shear, Lightweight Cellular Concrete

Sample ID:	B2-77
Height (in):	5.497
Height (mm):	139.6
Diameter (in):	2.958
Diameter (mm):	75.14
Area (in ²):	6.873
Area (mm ²):	4434
Mass (g):	253.60
Weight (lb):	0.5591
Weight (kN):	0.002487
Volume (in ³):	37.78
Volume (mm ³):	619079
Density (g/mm ³):	0.0004096
Density (kg/m ³):	409.6
Unit weight (pcf):	25.57
Dry unit weight (pcf):	20.16
Unit Weight (kN/m ³):	4.017
Wet mass + tare (g):	368.64
Dry mass + tare (g):	322.95
Tare (g):	152.71
Water content (%):	26.84
Saturation (%):	9.86
H:D ratio:	1.858
Age (days):	1076
Treatment:	M5

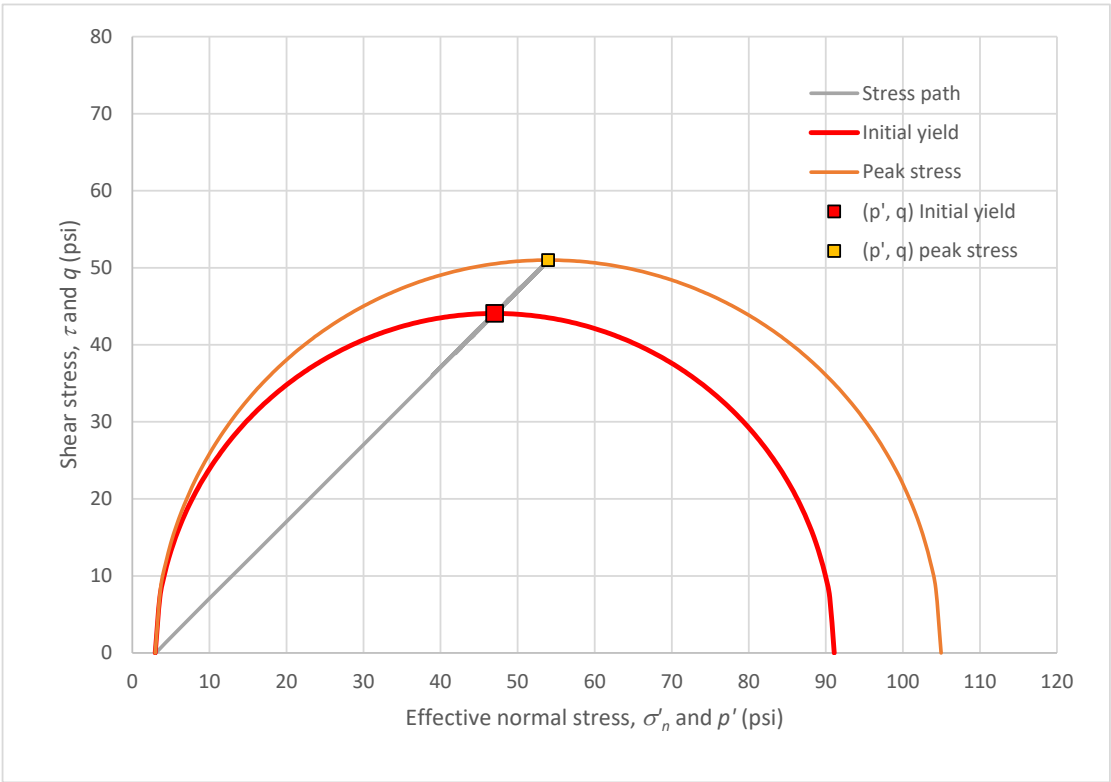
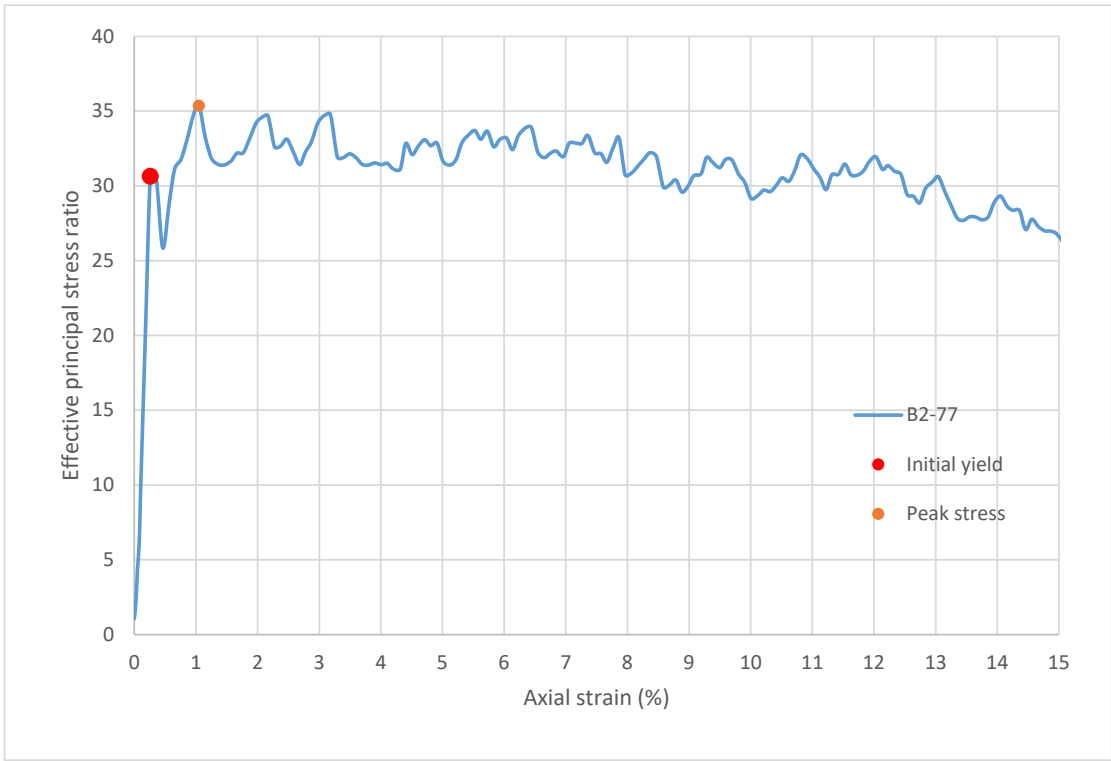
Strain rate (%/min):	0.2
Mean σ'_3 (psi):	3.0
Initial modulus (psi):	33817
Initial yield	
Time to failure (min):	1.3
Axial strain at failure (%):	0.261
σ'_1 (psi):	91.09
σ'_3 (psi):	2.97
$\sigma'_1 - \sigma'_3$ (psi):	88.12
σ'_1 / σ'_3 :	30.65
p' (psi):	47.03
q (psi):	44.06
Volumetric strain (%):	0.165
Poisson's ratio:	0.184
Peak stress	
Time to failure (min):	5.2
Axial strain at failure (%):	1.048
σ'_1 (psi):	104.95
σ'_3 (psi):	2.97
$\sigma'_1 - \sigma'_3$ (psi):	101.99
σ'_1 / σ'_3 :	35.37
p' (psi):	53.96
q (psi):	50.99
Volumetric strain (%):	0.920
Poisson's ratio:	0.061



Sample ID: **B2-77**



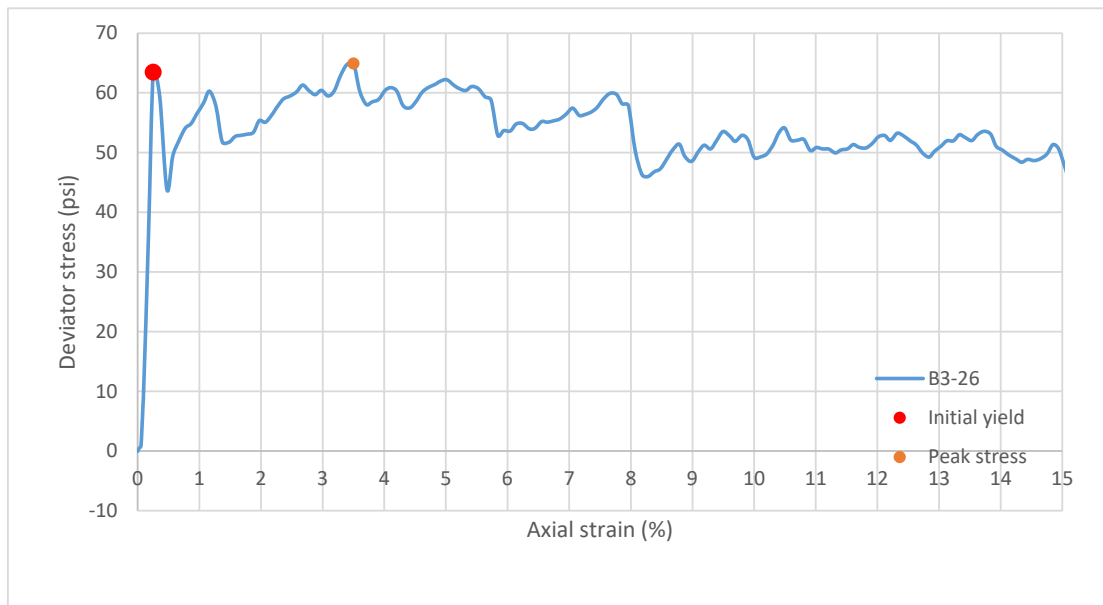
Sample ID: **B2-77**



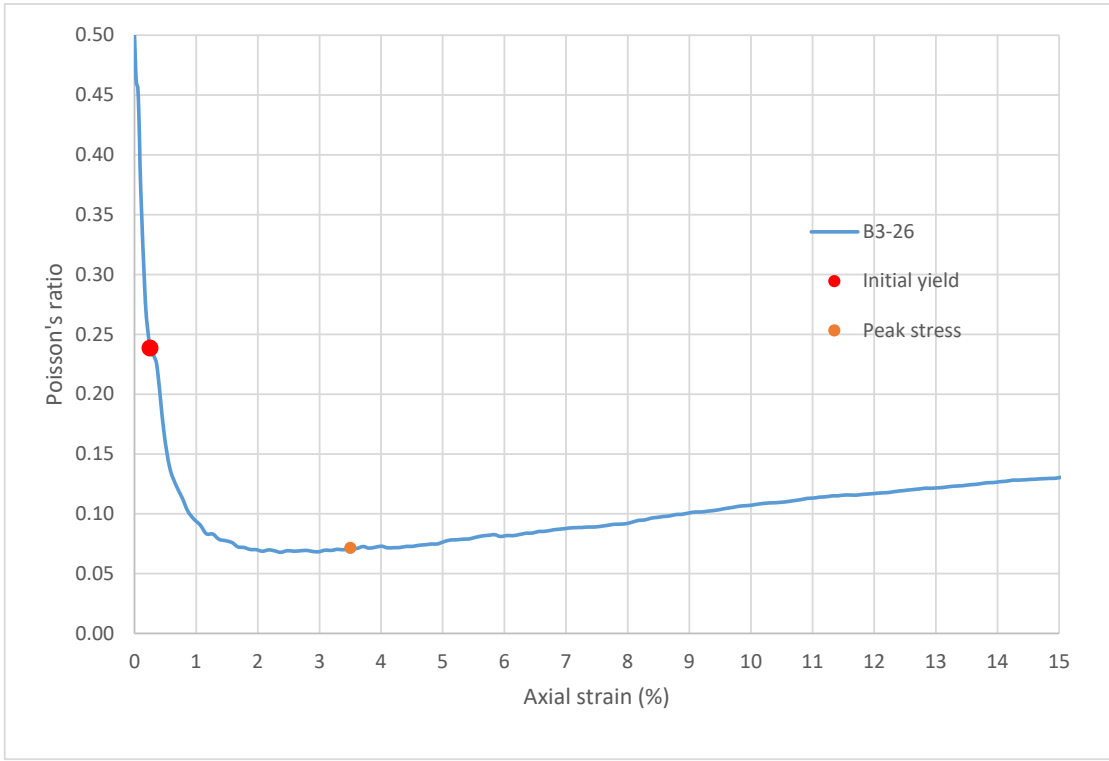
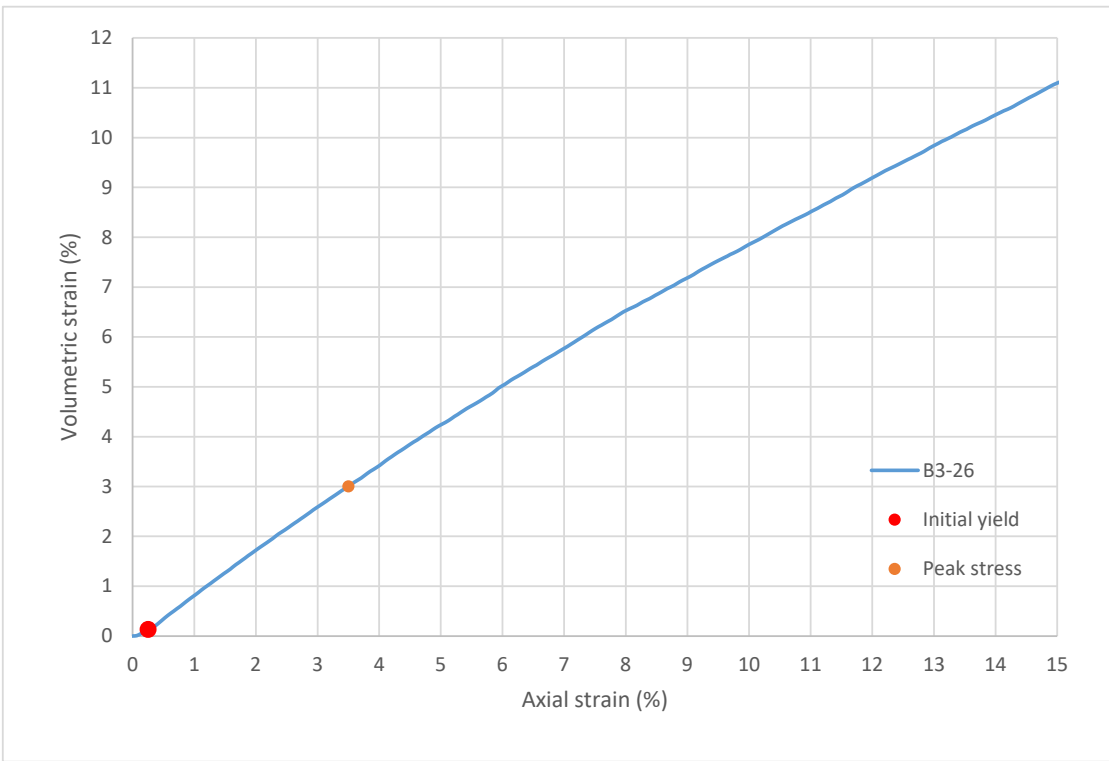
Consolidated-Drained Triaxial Shear, Lightweight Cellular Concrete

Sample ID:	B3-26
Height (in):	5.404
Height (mm):	137.3
Diameter (in):	2.959
Diameter (mm):	75.16
Area (in ²):	6.876
Area (mm ²):	4436
Mass (g):	245.40
Weight (lb):	0.5410
Weight (kN):	0.002407
Volume (in ³):	37.16
Volume (mm ³):	608887
Density (g/mm ³):	0.0004030
Density (kg/m ³):	403.0
Unit weight (pcf):	25.16
Dry unit weight (pcf):	19.72
Unit Weight (kN/m ³):	3.952
Wet mass + tare (g):	419.20
Dry mass + tare (g):	374.39
Tare (g):	212.10
Water content (%):	27.61
Saturation (%):	9.89
H:D ratio:	1.826
Age (days):	1077
Treatment:	M5

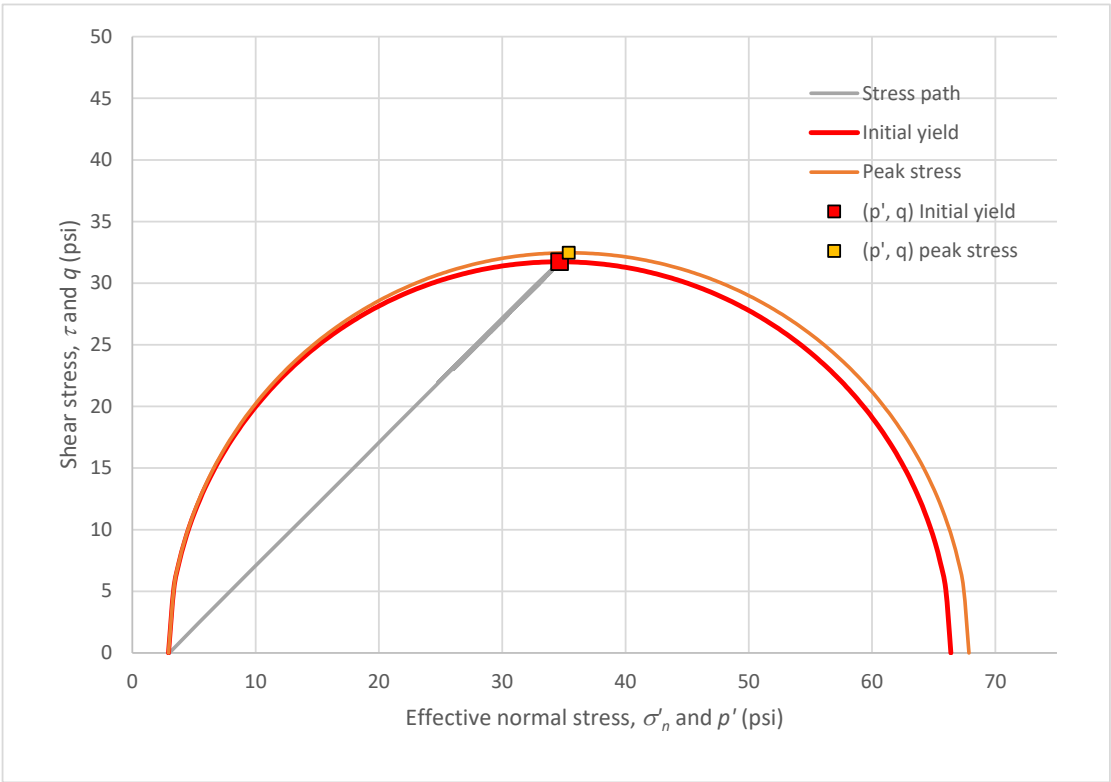
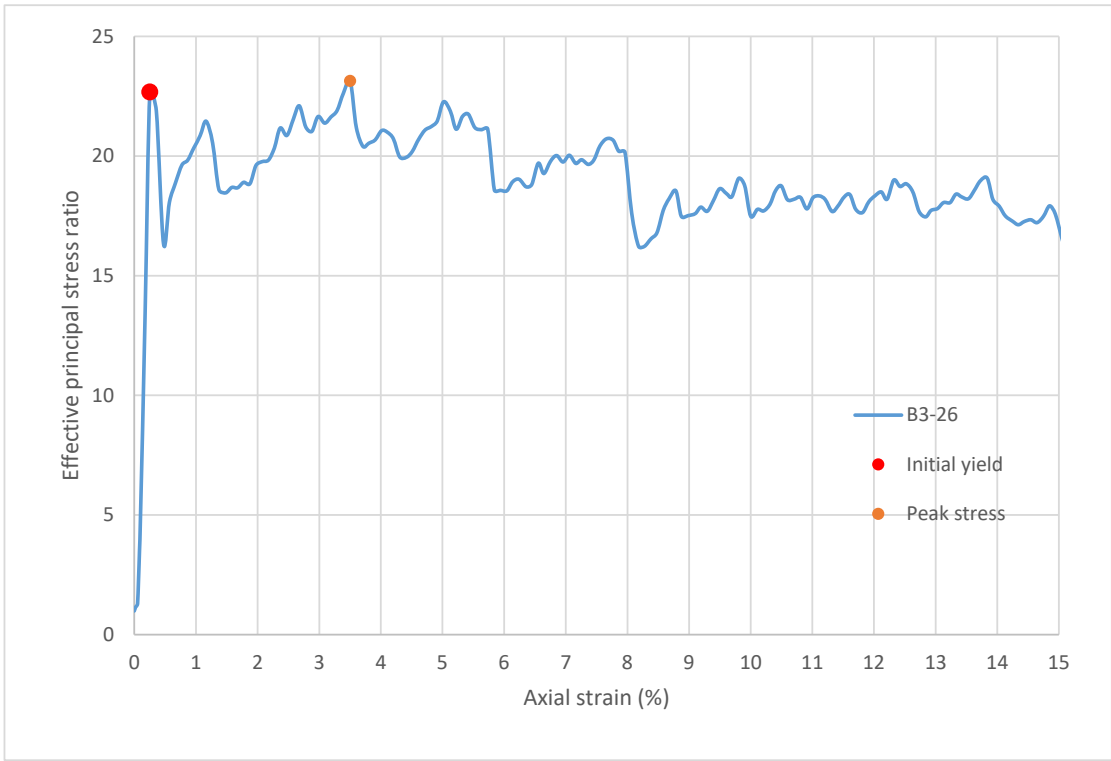
Strain rate (%/min):	0.2
Mean σ'_3 (psi):	3.0
Initial modulus (psi):	25130
Initial yield	
Time to failure (min):	1.3
Axial strain at failure (%):	0.253
σ'_1 (psi):	66.40
σ'_3 (psi):	2.93
$\sigma'_1 - \sigma'_3$ (psi):	63.47
σ'_1 / σ'_3 :	22.68
p' (psi):	34.66
q (psi):	31.74
Volumetric strain (%):	0.132
Poisson's ratio:	0.239
Peak stress	
Time to failure (min):	17.5
Axial strain at failure (%):	3.503
σ'_1 (psi):	67.86
σ'_3 (psi):	2.93
$\sigma'_1 - \sigma'_3$ (psi):	64.92
σ'_1 / σ'_3 :	23.14
p' (psi):	35.40
q (psi):	32.46
Volumetric strain (%):	3.002
Poisson's ratio:	0.072



Sample ID: **B3-26**



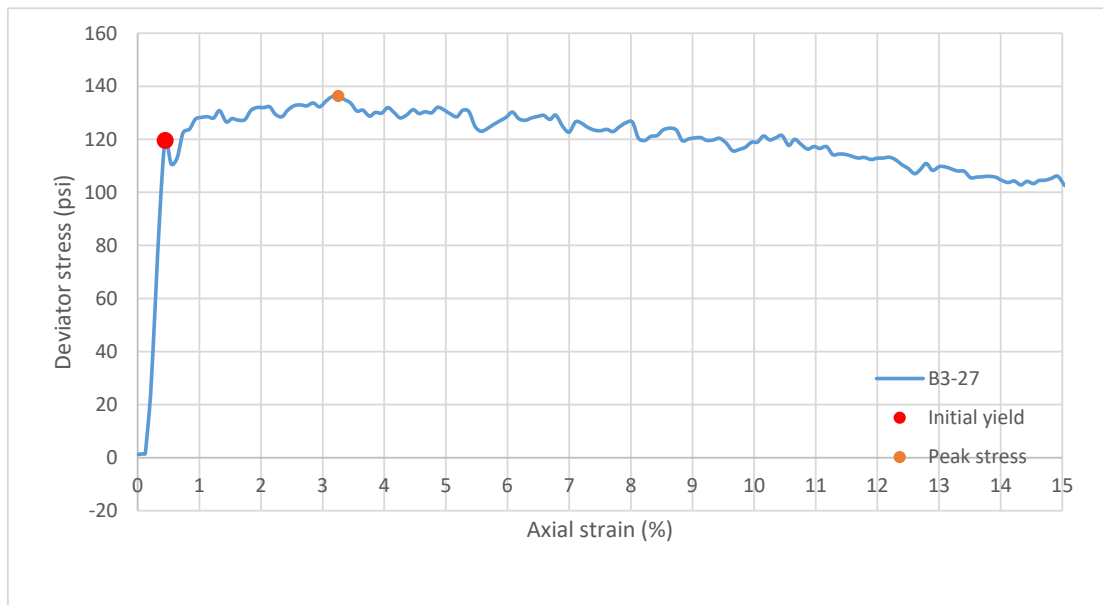
Sample ID: **B3-26**

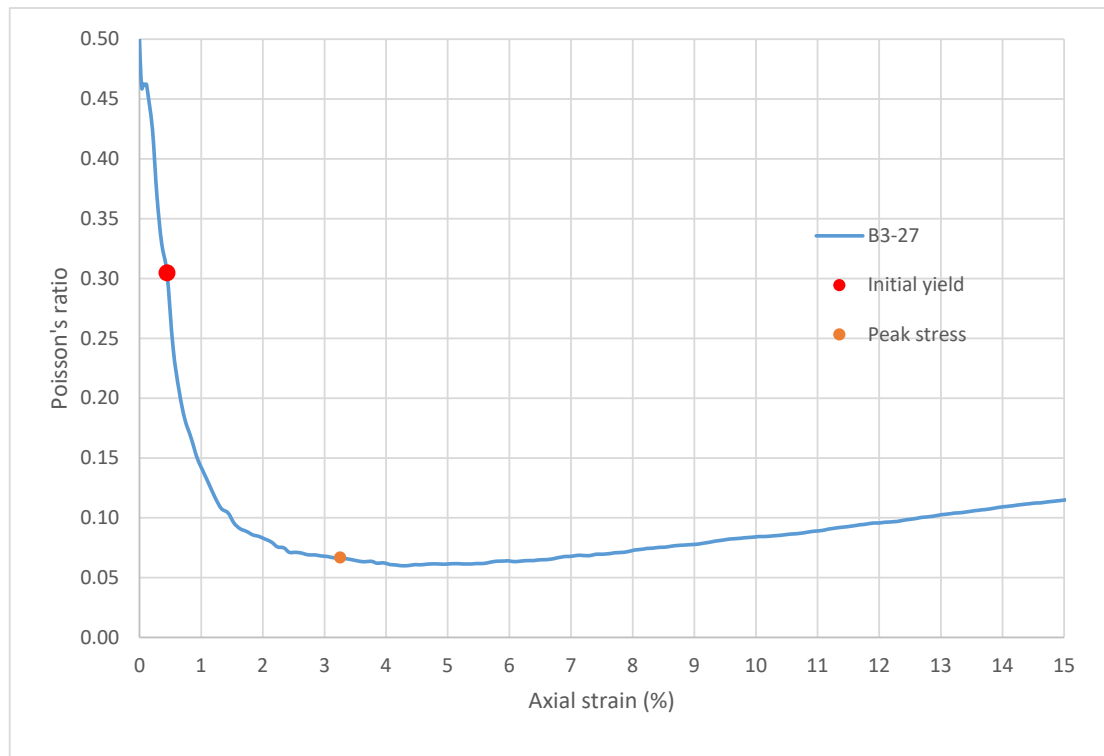
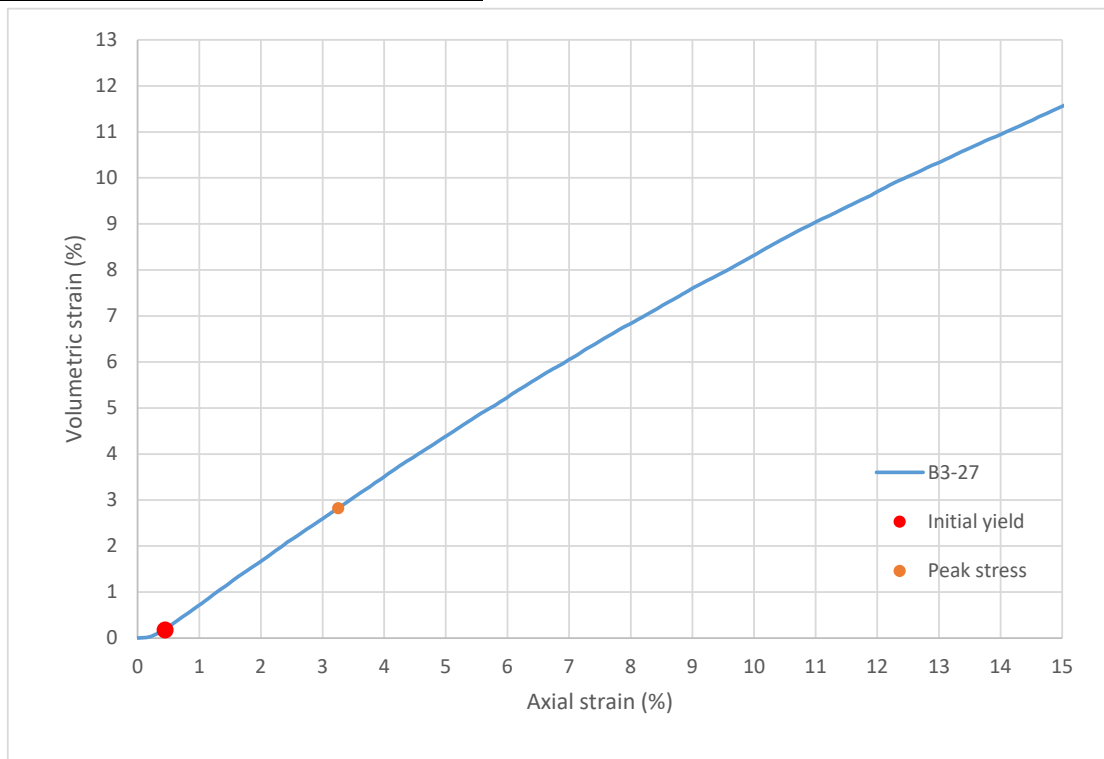


Consolidated-Drained Triaxial Shear, Lightweight Cellular Concrete

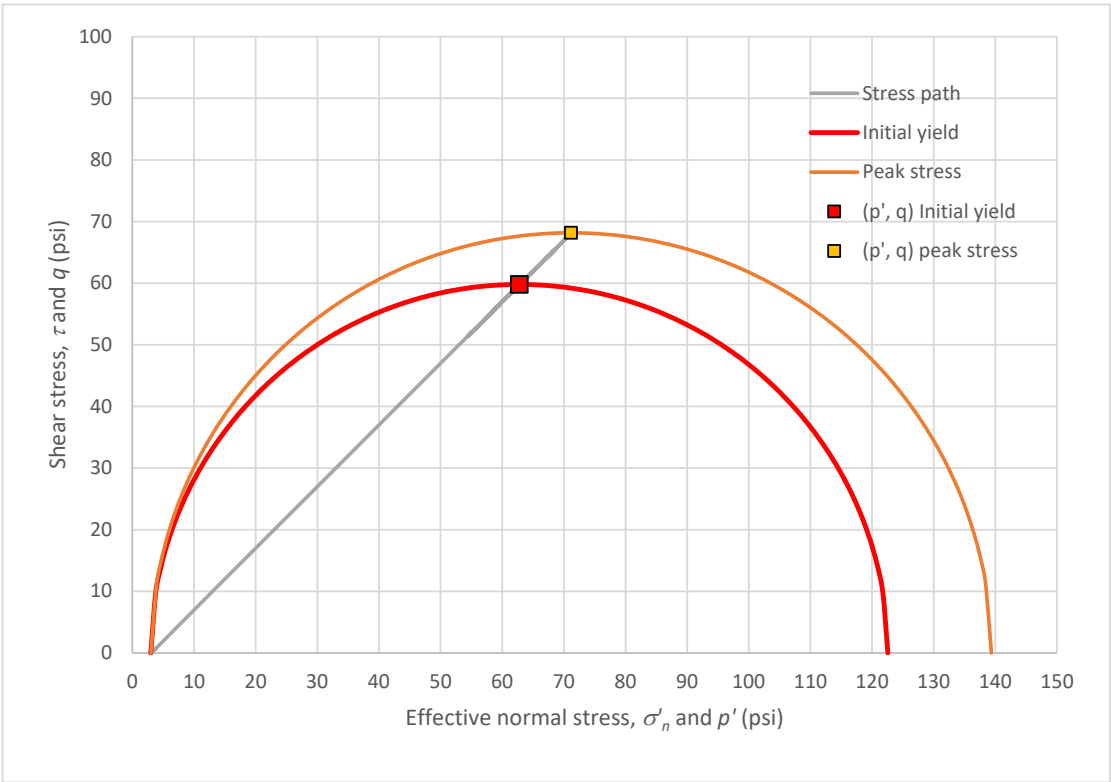
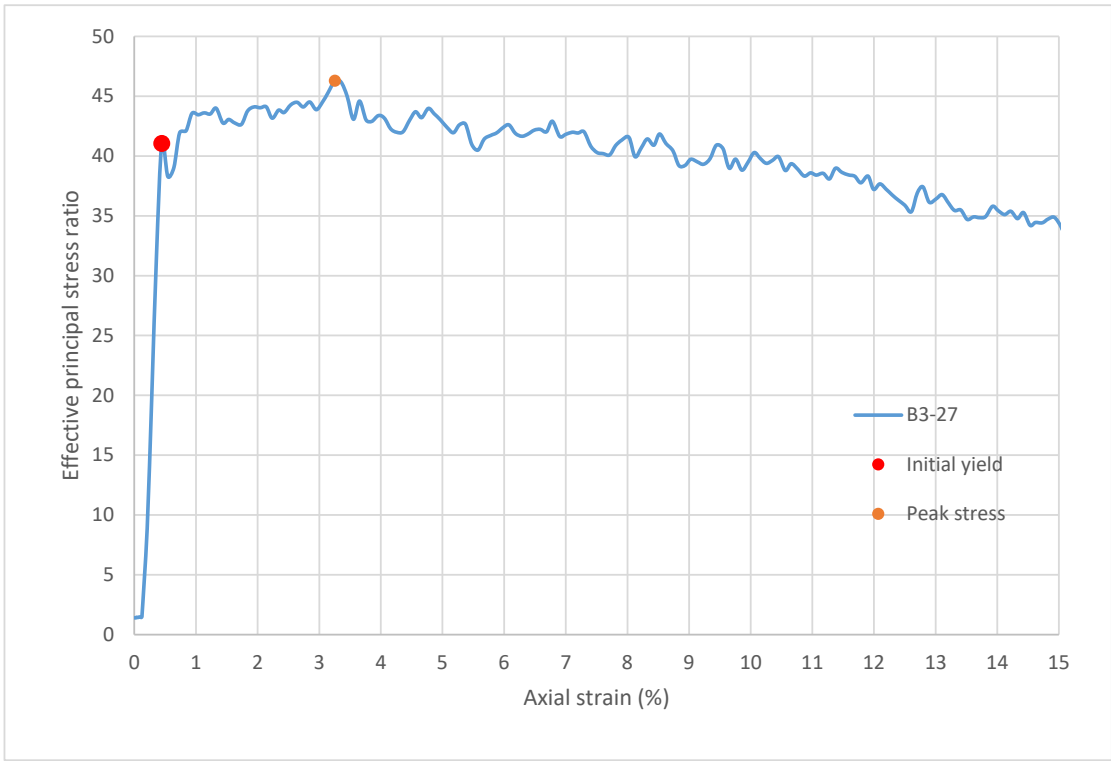
Sample ID:	B3-27
Height (in):	5.511
Height (mm):	140.0
Diameter (in):	2.951
Diameter (mm):	74.97
Area (in ²):	6.842
Area (mm ²):	4414
Mass (g):	248.06
Weight (lb):	0.5469
Weight (kN):	0.002433
Volume (in ³):	37.70
Volume (mm ³):	617823
Density (g/mm ³):	0.0004015
Density (kg/m ³):	401.5
Unit weight (pcf):	25.07
Dry unit weight (pcf):	19.90
Unit Weight (kN/m ³):	3.937
Wet mass + tare (g):	362.21
Dry mass + tare (g):	313.08
Tare (g):	123.66
Water content (%):	25.94
Saturation (%):	9.39
H:D ratio:	1.867
Age (days):	1077
Treatment:	M5

Strain rate (%/min):	0.2
Mean σ'_3 (psi):	3.1
Initial modulus (psi):	36485
Initial yield	
Time to failure (min):	2.2
Axial strain at failure (%):	0.447
σ'_1 (psi):	122.56
σ'_3 (psi):	2.99
$\sigma'_1 - \sigma'_3$ (psi):	119.58
σ'_1 / σ'_3 :	41.05
p' (psi):	62.78
q (psi):	59.79
Volumetric strain (%):	0.174
Poisson's ratio:	0.305
Peak stress	
Time to failure (min):	16.3
Axial strain at failure (%):	3.255
σ'_1 (psi):	139.34
σ'_3 (psi):	3.01
$\sigma'_1 - \sigma'_3$ (psi):	136.33
σ'_1 / σ'_3 :	46.29
p' (psi):	71.18
q (psi):	68.17
Volumetric strain (%):	2.820
Poisson's ratio:	0.067



Sample ID: **B3-27**

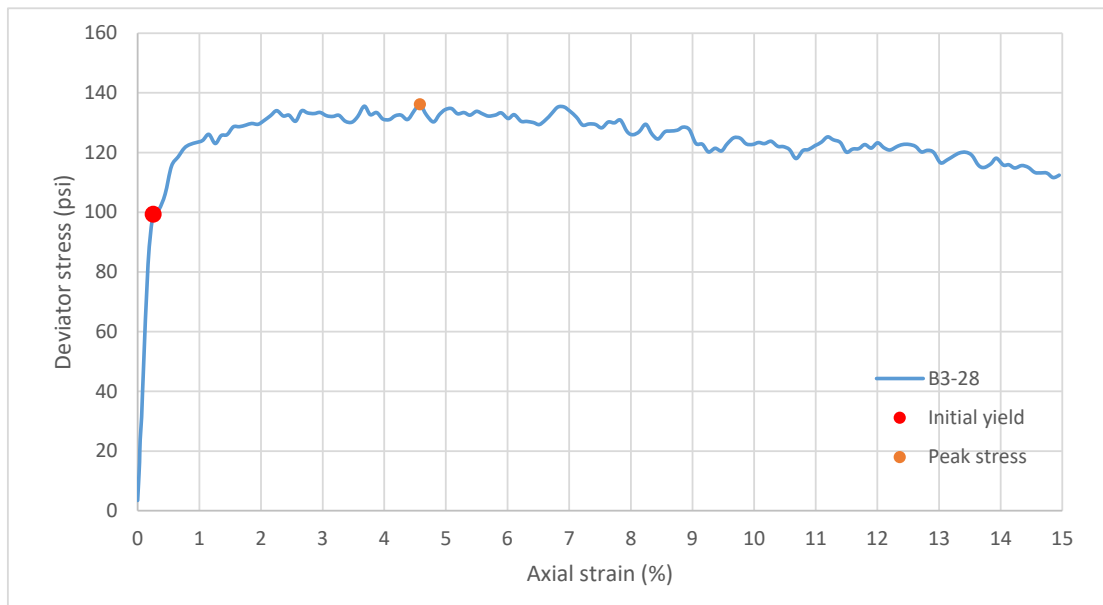
Sample ID: **B3-27**



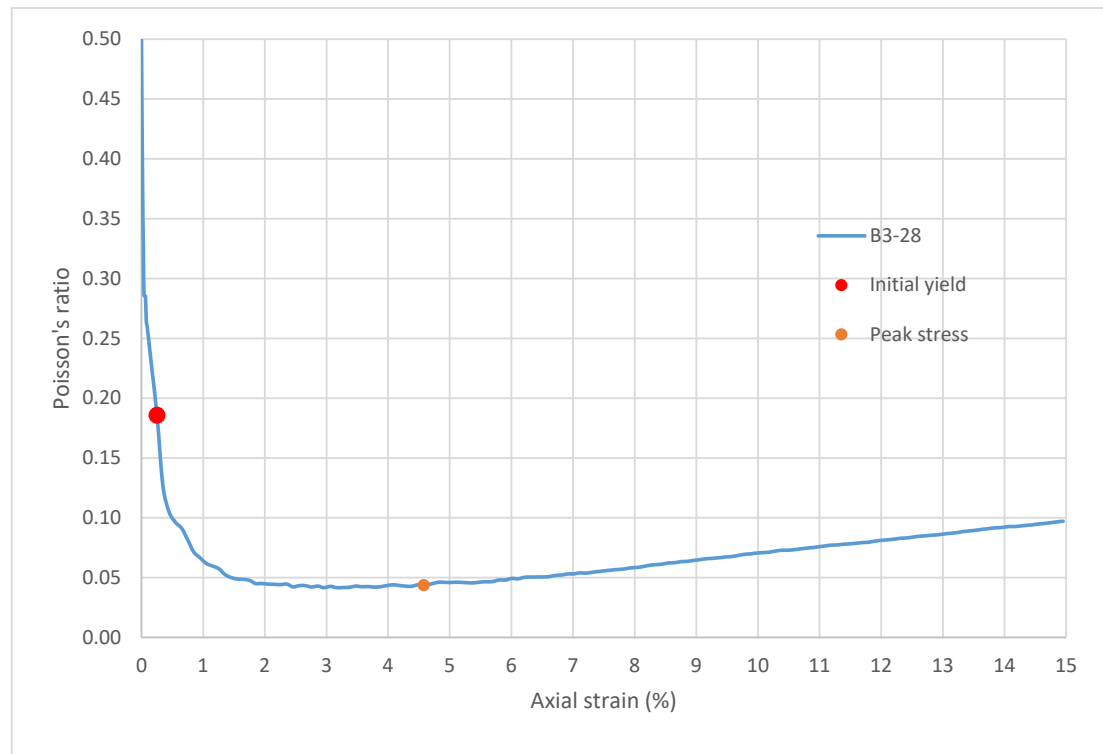
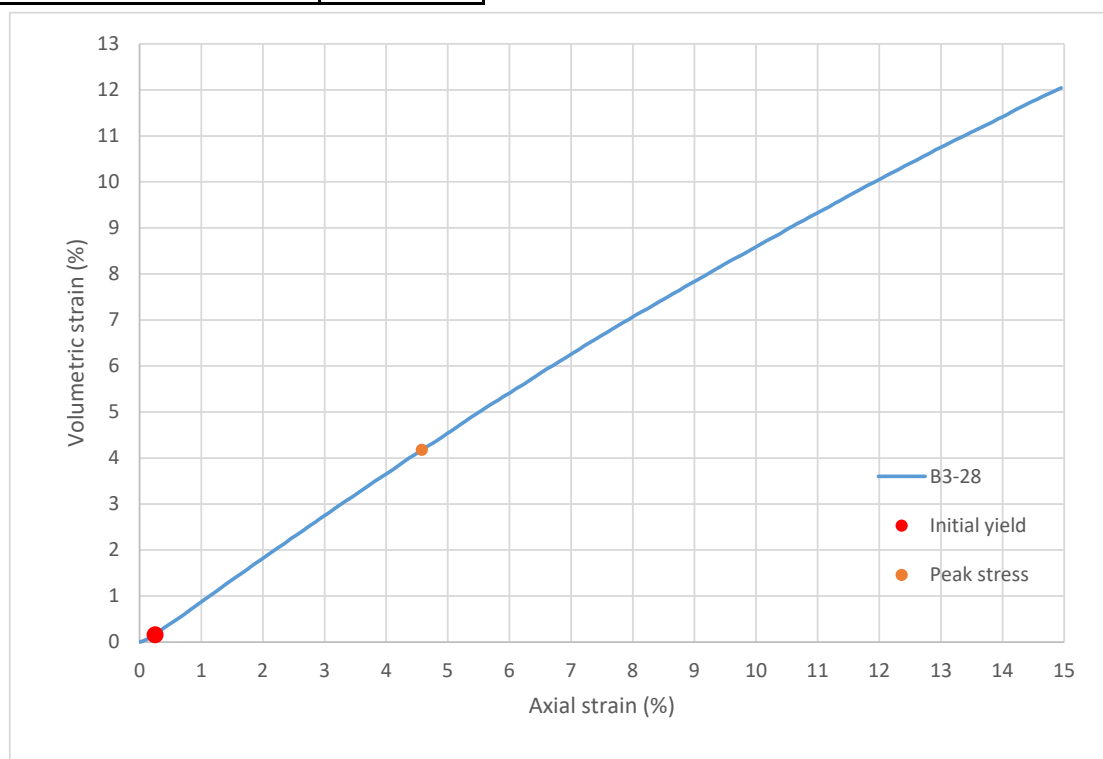
Consolidated-Drained Triaxial Shear, Lightweight Cellular Concrete

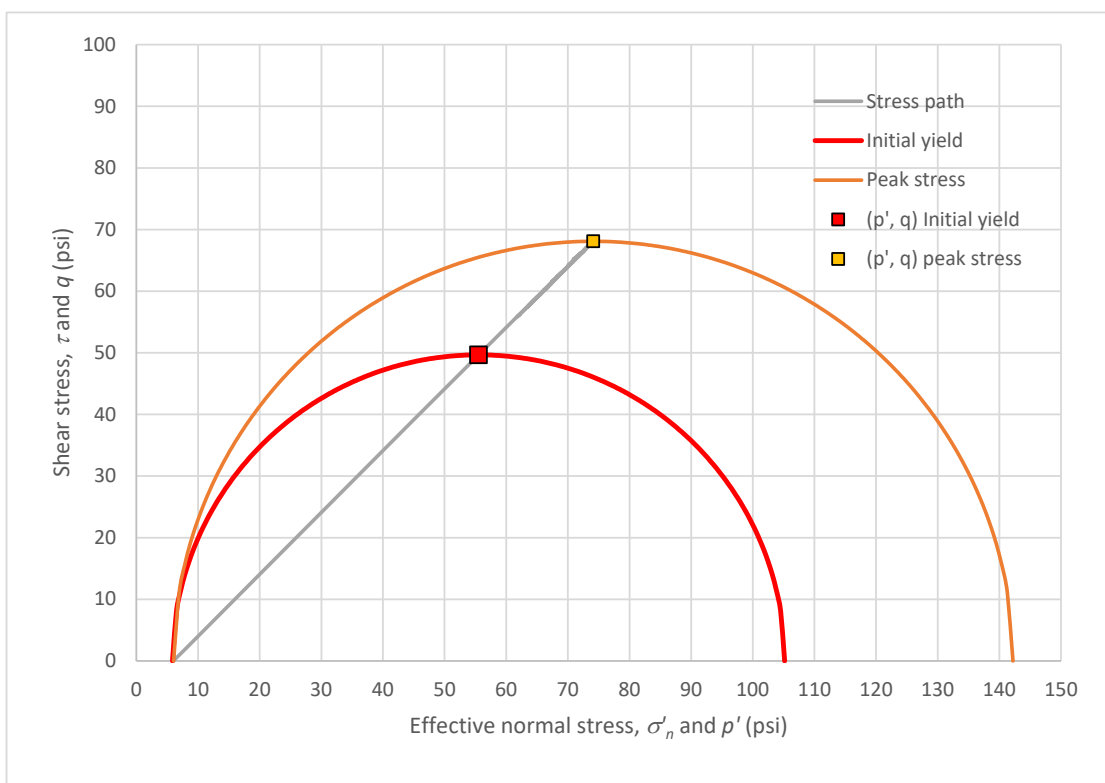
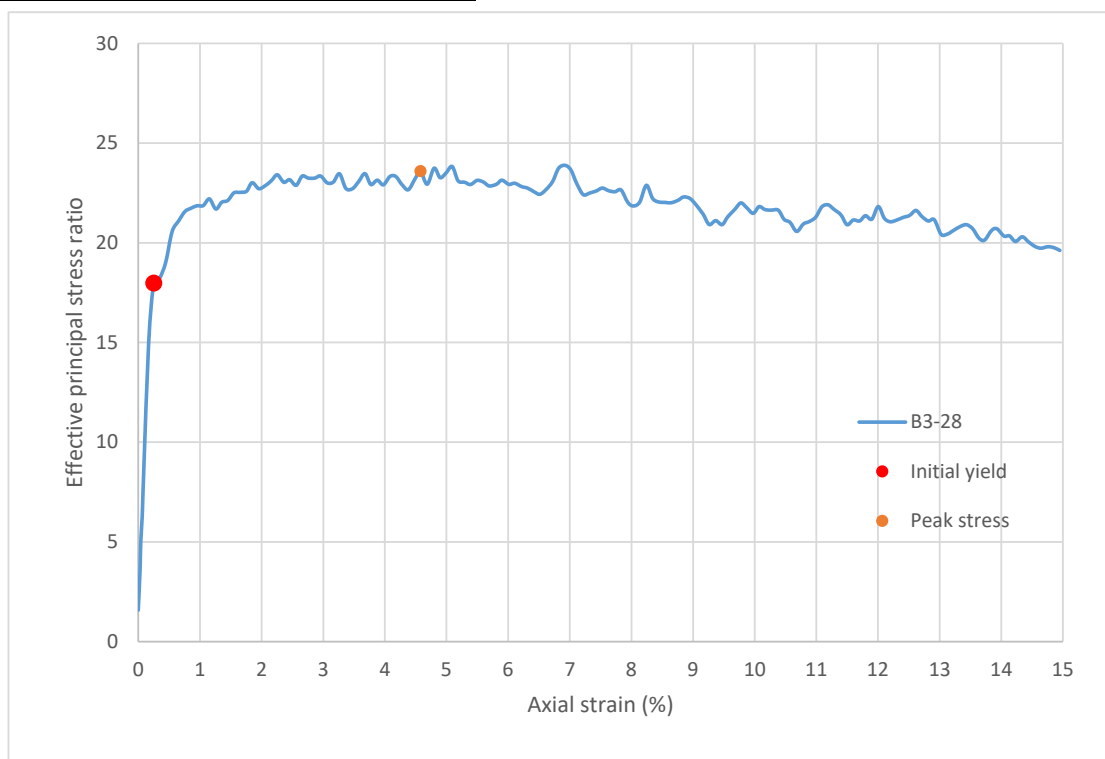
Sample ID:	B3-28
Height (in):	5.536
Height (mm):	140.6
Diameter (in):	2.952
Diameter (mm):	74.99
Area (in ²):	6.846
Area (mm ²):	4417
Mass (g):	256.79
Weight (lb):	0.5661
Weight (kN):	0.002518
Volume (in ³):	37.90
Volume (mm ³):	621122
Density (g/mm ³):	0.0004134
Density (kg/m ³):	413.4
Unit weight (pcf):	25.81
Dry unit weight (pcf):	20.81
Unit Weight (kN/m ³):	4.054
Wet mass + tare (g):	370.94
Dry mass + tare (g):	323.67
Tare (g):	126.70
Water content (%):	24.00
Saturation (%):	9.14
H:D ratio:	1.875
Age (days):	1077
Treatment:	M5

Strain rate (%/min):	0.2
Mean σ'_3 (psi):	6.0
Initial modulus (psi):	39554
Initial yield	
Time to failure (min):	1.3
Axial strain at failure (%):	0.251
σ'_1 (psi):	105.18
σ'_3 (psi):	5.85
$\sigma'_1 - \sigma'_3$ (psi):	99.33
σ'_1 / σ'_3 :	17.97
p' (psi):	55.52
q (psi):	49.66
Volumetric strain (%):	0.158
Poisson's ratio:	0.186
Peak stress	
Time to failure (min):	22.9
Axial strain at failure (%):	4.579
σ'_1 (psi):	142.20
σ'_3 (psi):	6.03
$\sigma'_1 - \sigma'_3$ (psi):	136.17
σ'_1 / σ'_3 :	23.59
p' (psi):	74.12
q (psi):	68.09
Volumetric strain (%):	4.178
Poisson's ratio:	0.044



Sample ID: B3-28

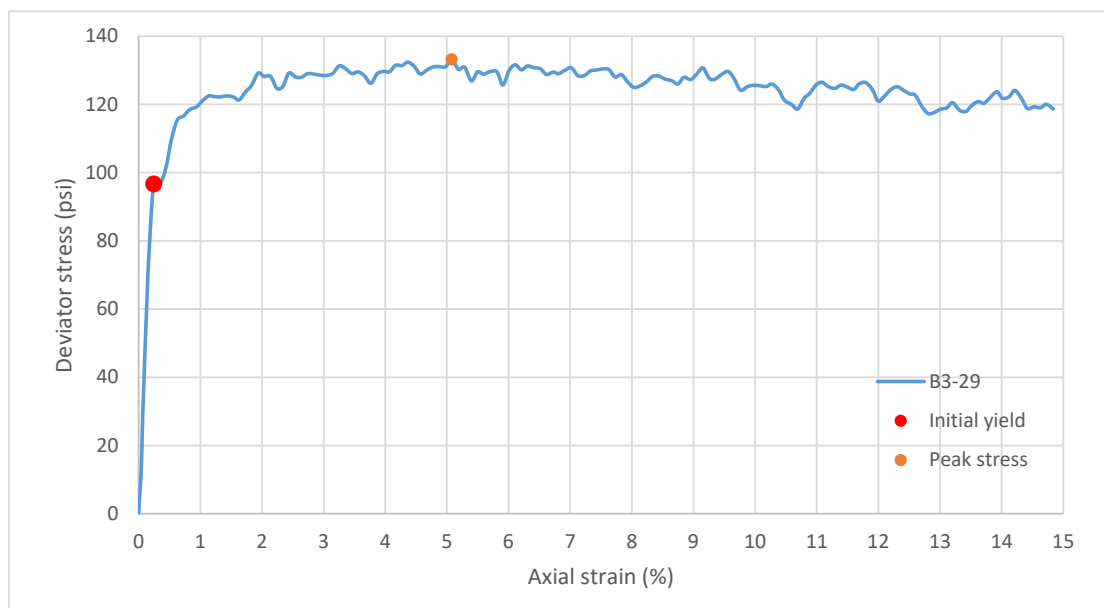


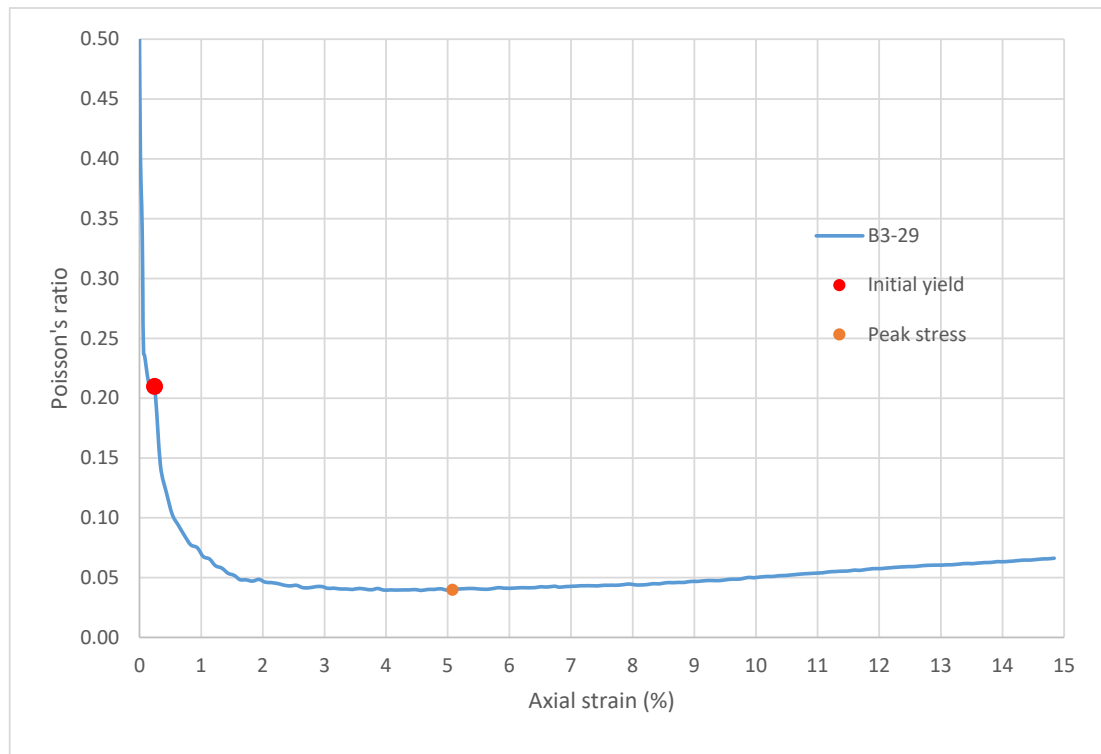
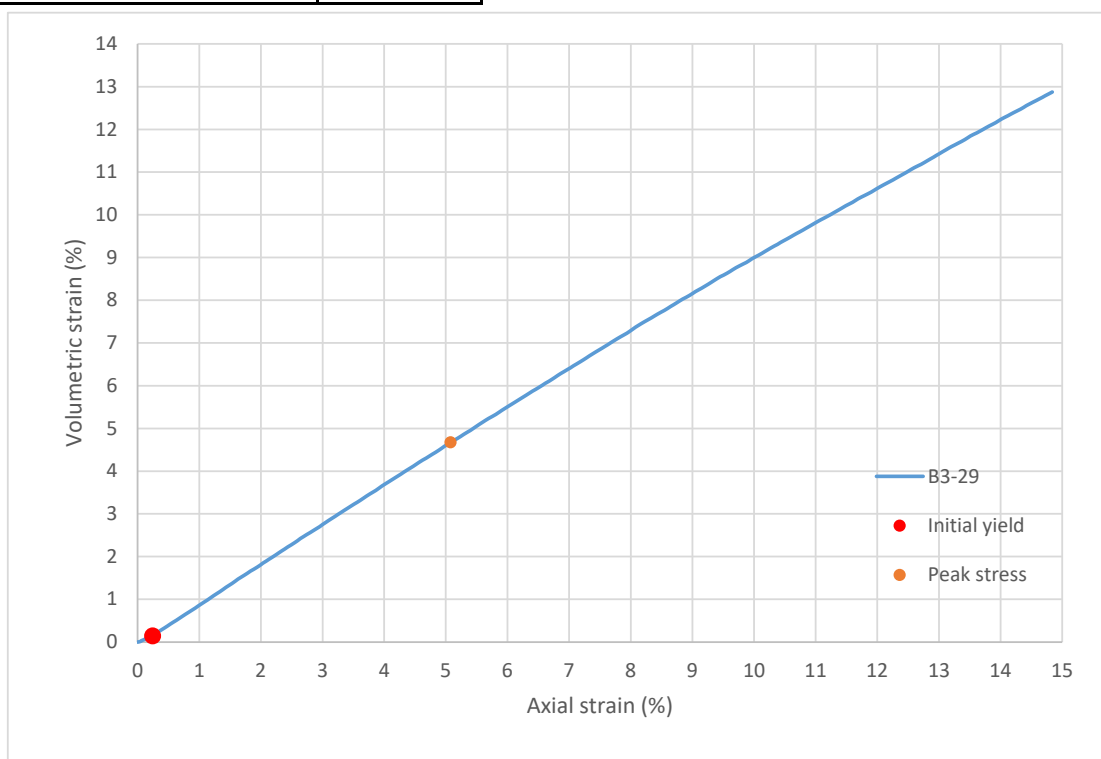
Sample ID: **B3-28**

Consolidated-Drained Triaxial Shear, Lightweight Cellular Concrete

Sample ID:	B3-29
Height (in):	5.476
Height (mm):	139.1
Diameter (in):	2.958
Diameter (mm):	75.14
Area (in ²):	6.873
Area (mm ²):	4434
Mass (g):	247.94
Weight (lb):	0.5466
Weight (kN):	0.002431
Volume (in ³):	37.64
Volume (mm ³):	616751
Density (g/mm ³):	0.0004020
Density (kg/m ³):	402.0
Unit weight (pcf):	25.10
Dry unit weight (pcf):	19.99
Unit Weight (kN/m ³):	3.942
Wet mass + tare (g):	369.09
Dry mass + tare (g):	319.80
Tare (g):	126.84
Water content (%):	25.54
Saturation (%):	9.29
H:D ratio:	1.851
Age (days):	1077
Treatment:	M5

Strain rate (%/min):	0.2
Mean σ'_3 (psi):	12.0
Initial modulus (psi):	39578
Initial yield	
Time to failure (min):	1.2
Axial strain at failure (%):	0.244
σ'_1 (psi):	108.53
σ'_3 (psi):	11.86
$\sigma'_1 - \sigma'_3$ (psi):	96.66
σ'_1 / σ'_3 :	9.15
p' (psi):	60.20
q (psi):	48.33
Volumetric strain (%):	0.142
Poisson's ratio:	0.210
Peak stress	
Time to failure (min):	25.4
Axial strain at failure (%):	5.077
σ'_1 (psi):	145.23
σ'_3 (psi):	12.02
$\sigma'_1 - \sigma'_3$ (psi):	133.21
σ'_1 / σ'_3 :	12.08
p' (psi):	78.63
q (psi):	66.61
Volumetric strain (%):	4.672
Poisson's ratio:	0.040



Sample ID: **B3-29**

Sample ID: **B3-29**