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Blokhush Sand

part 2

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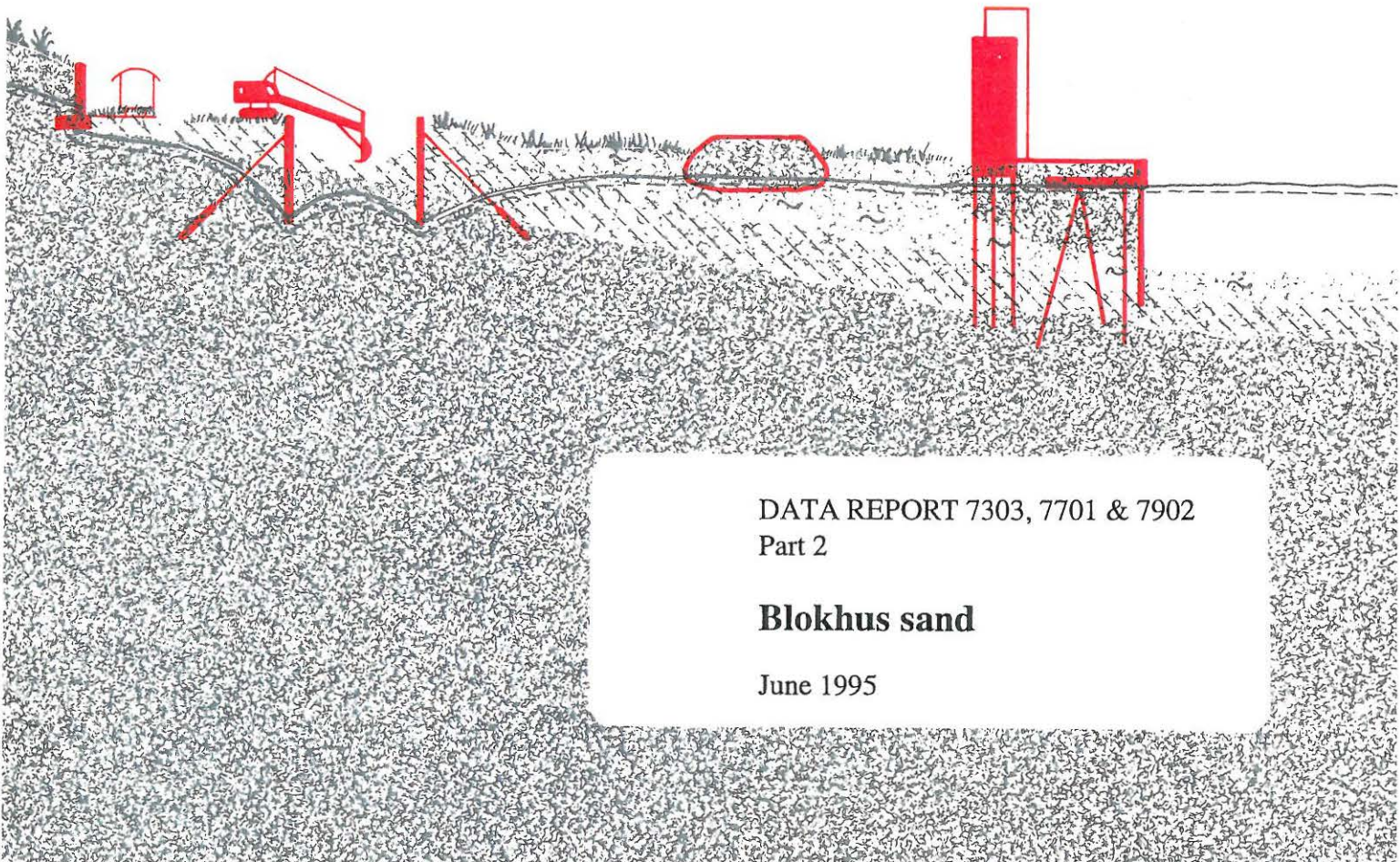
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DATA REPORT 7303, 7701 & 7902
Part 2

Blokhush sand

June 1995

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DATA REPORT 7303, 7701 & 7902
Part 2

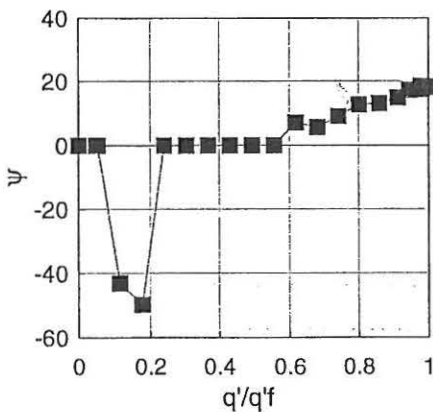
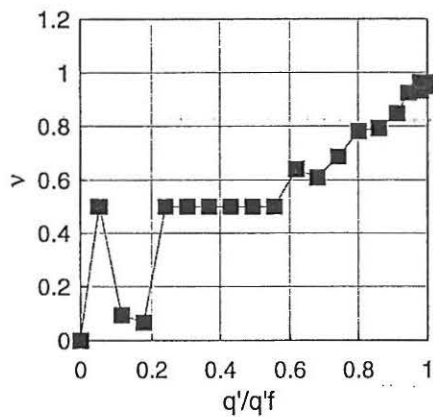
Blokhush sand

June 1995

Description of soil Blokhus sand		Water content %	Before test	At failure
		Grain density	0	
Calibration file	Date	Void ratio	2.65	0.623
		Saturation	0.577	
Loadtransducer	07.07.77	Dimension H mm	0	
200-3		D mm	72	
			70	

TEST-PROGRAM	Drained compression.		
CD - Triaxial test. free ends	1. Isotropic compression.	σ_3	8-100 kPa
		ϵ_1	0.09 %
		ϵ_v	0.23 %
	2. Drained compression.		
	Deformation rate:		7.9 % ph

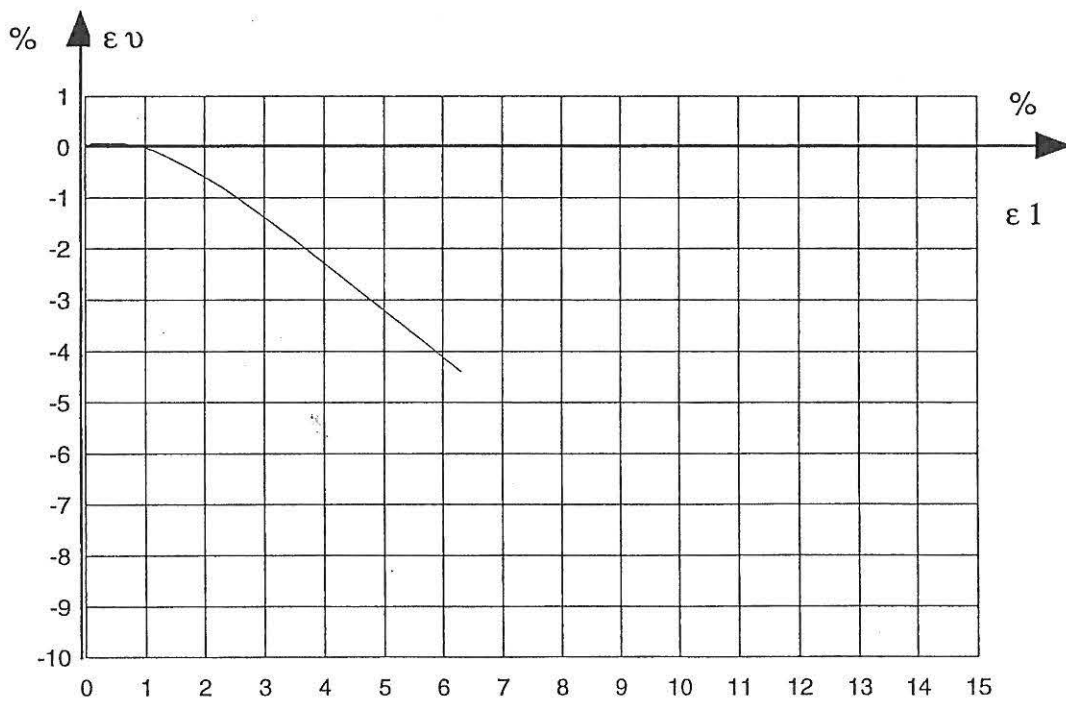
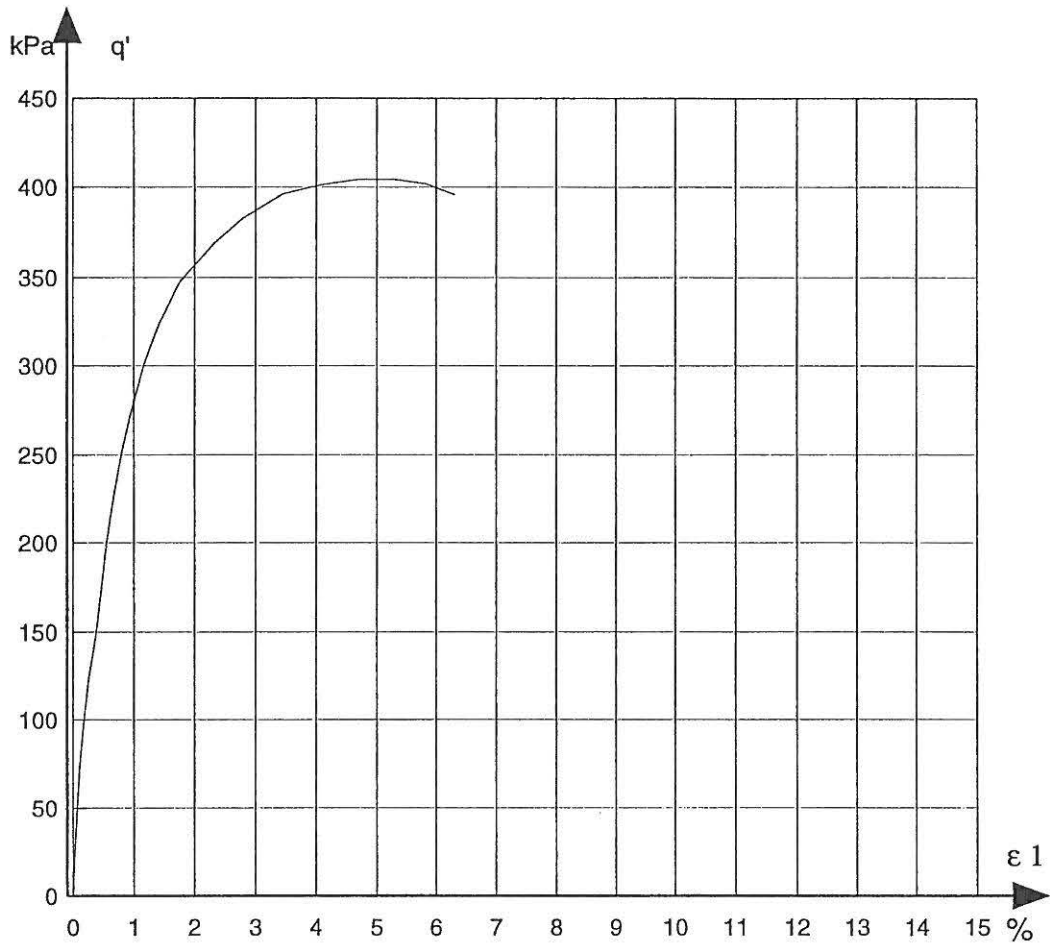
		Values at failure	Values for $\Delta\epsilon_v = 0$
Deviator stress	q'	404.5 kPa	225.0 kPa
Mean normal stress	p'	234.8 kPa	175.0 kPa
Confining pressures	σ_3	100.0 kPa	100.0 kPa
Vertical strain	ϵ_1	4.71 %	0.67 %
Volumetric strain	ϵ_v	-2.94 %	0.07 %



q'	p'	ϵ_1	ϵ_v
0.00	100.00	0.00	0.00
20.29	106.76	0.02	0.00
46.03	115.34	0.06	0.04
71.77	123.92	0.11	0.07
97.44	132.48	0.18	0.07
123.07	141.02	0.25	0.07
148.59	149.53	0.37	0.07
174.11	158.04	0.47	0.07
199.58	166.53	0.56	0.07
224.95	174.98	0.67	0.07
250.13	183.38	0.80	0.04
275.13	191.71	0.96	0.00
299.84	199.95	1.15	-0.07
323.96	207.99	1.41	-0.22
347.41	215.80	1.75	-0.42
368.98	222.99	2.32	-0.81
382.49	227.50	2.78	-1.21
396.42	232.14	3.45	-1.79
401.49	233.83	4.10	-2.38
404.47	234.82	4.71	-2.94
404.22	234.74	5.29	-3.46
401.90	233.97	5.83	-3.95
395.79	231.93	6.31	-4.40

Job: Blokhus sand	Encl. No 3
Exc: HSP	Check: LBI

Remark: The specimen slipped out after failure.
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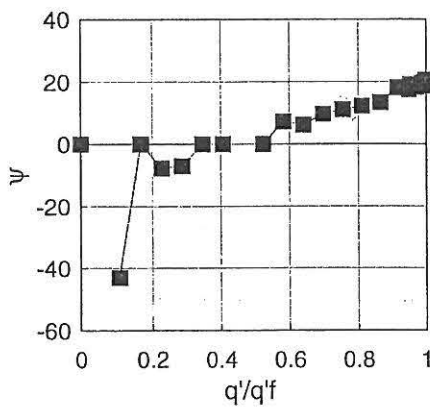
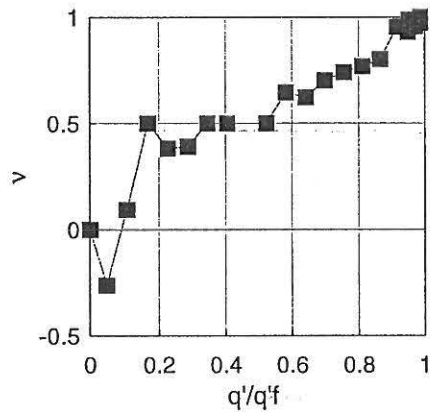


Job:	Blokhuis sand	Encl. No	4
Exc:		Check:	
	HPS		LBI

Description of soil Blokhus sand		Water content %	Before test	At failure
		Grain density	0	
Calibration file	Date	Void ratio	2.65	
Loadtransducer 200-3	08.08.77	Saturation	0.550	0.607
		Dimension H mm	0	
		D mm	72	
			70	

TEST-PROGRAM	Drained compression.		
CD - Triaxial test. free ends	1. Isotropic compression.	σ_3	8-100 kPa
		ϵ_1	0.10 %
		ϵ_v	0.31 %
	2. Drained compression.		
	Deformation rate:		8.9 % ph

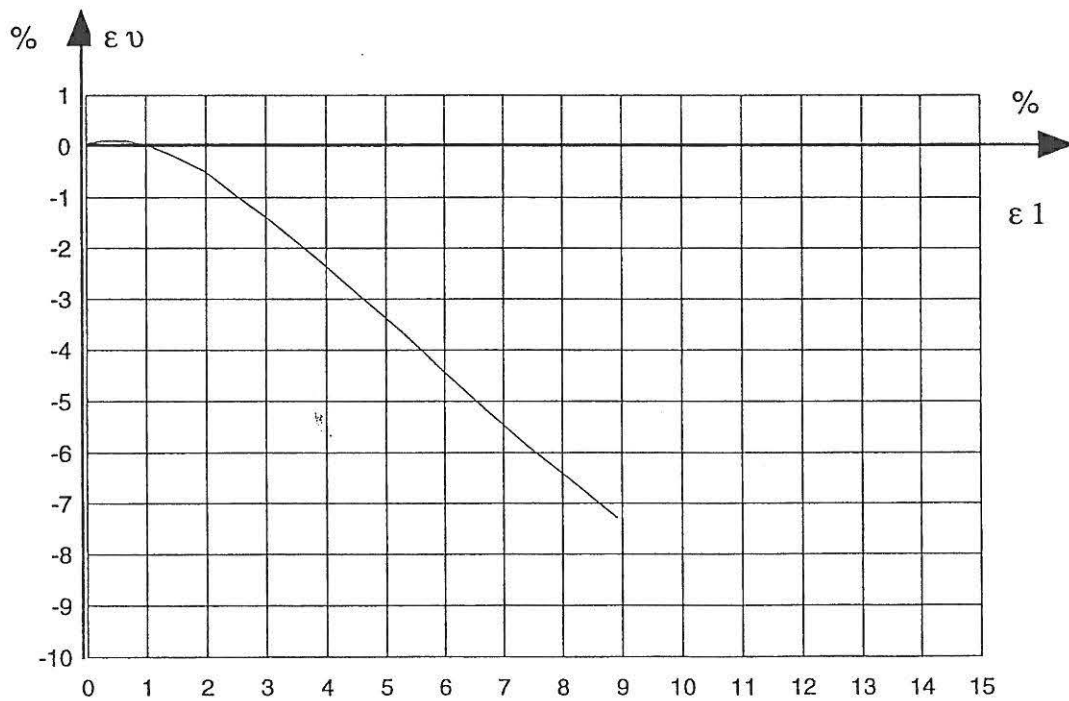
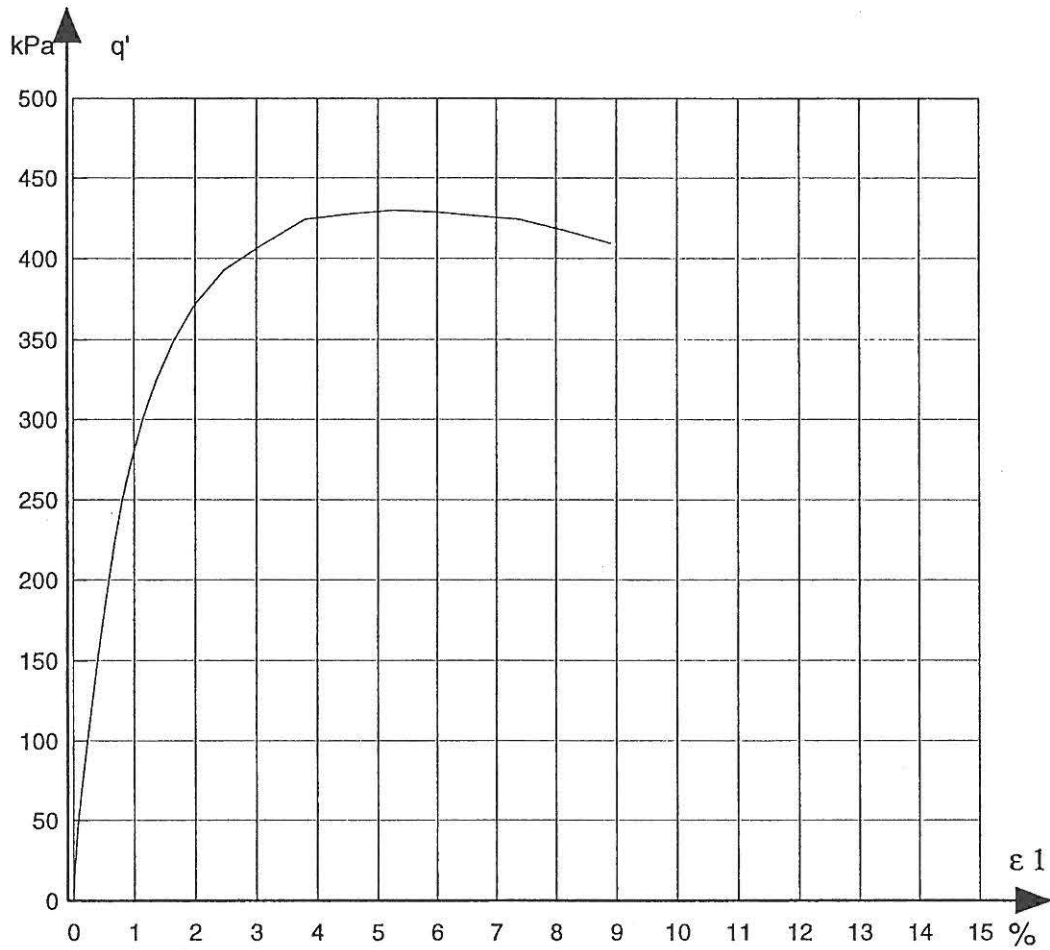
		Values at failure		Values for $\Delta \epsilon_v = 0$	
Deviator stress	q'	429.9	kPa	225.1	kPa
Mean normal stress	p'	243.3	kPa	175.0	kPa
Confining pressures	σ_3	100.0	kPa	100.0	kPa
Vertical strain	ϵ_1	5.26	%	0.69	%
Volumetric strain	ϵ_v	-3.65	%	0.11	%



q'	p'	ϵ_1	ϵ_v
0.00	100.00	0.00	0.00
20.40	106.80	0.02	0.04
46.15	115.38	0.07	0.07
71.85	123.95	0.14	0.07
97.52	132.51	0.22	0.09
123.16	141.05	0.30	0.11
148.73	149.58	0.39	0.11
174.24	158.08	0.48	0.11
225.09	175.03	0.69	0.11
250.28	183.43	0.81	0.07
275.33	191.78	0.96	0.04
300.08	200.03	1.14	-0.04
348.35	216.12	1.63	-0.29
371.45	223.82	1.99	-0.51
392.94	230.98	2.47	-0.94
407.64	235.88	3.05	-1.44
424.23	241.41	3.80	-2.15
427.76	242.59	4.55	-2.92
429.93	243.31	5.26	-3.65
429.03	243.01	5.97	-4.40
426.62	242.21	6.67	-5.12
424.27	241.42	7.40	-5.85
417.46	239.15	8.15	-6.53
409.29	236.43	8.92	-7.29

Job: Blokhus sand	Encl. No 5
Exc: HSP	Check: LBI

Remark:

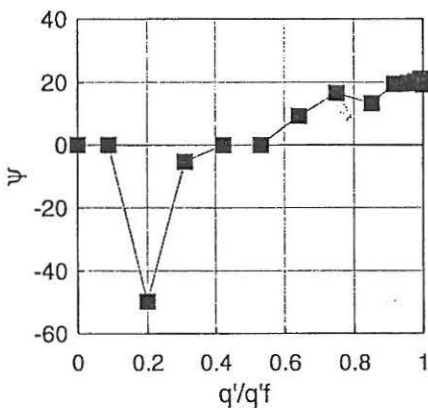
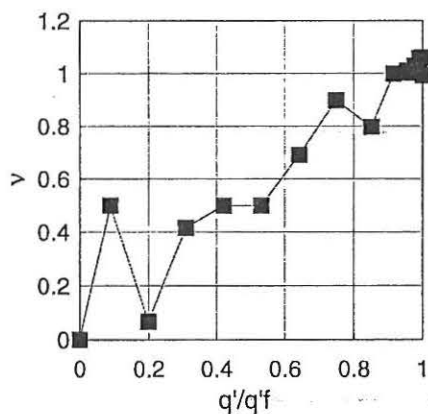


Job:	Encl. No
Blokhus sand	6
Exc:	Check:
HPS	LBI

Description of soil Blokhussand		Water content %	Before test	At failure
		Grain density	0	
Calibration file	Date	Void ratio	2.65	
Loadtransducer 200-3	09.08.77	Saturation	0.528	0.590
		Dimension H mm	0	
		D mm	72	
			70	

TEST-PROGRAM	Drained compression.		
CD - Triaxial test. free ends	1. Isotropic compression.	σ_3	8-50 kPa
		ϵ_1	0.04 %
		ϵ_v	0.18 %
	2. Drained compression.		
	Deformation rate:		8.9 % ph

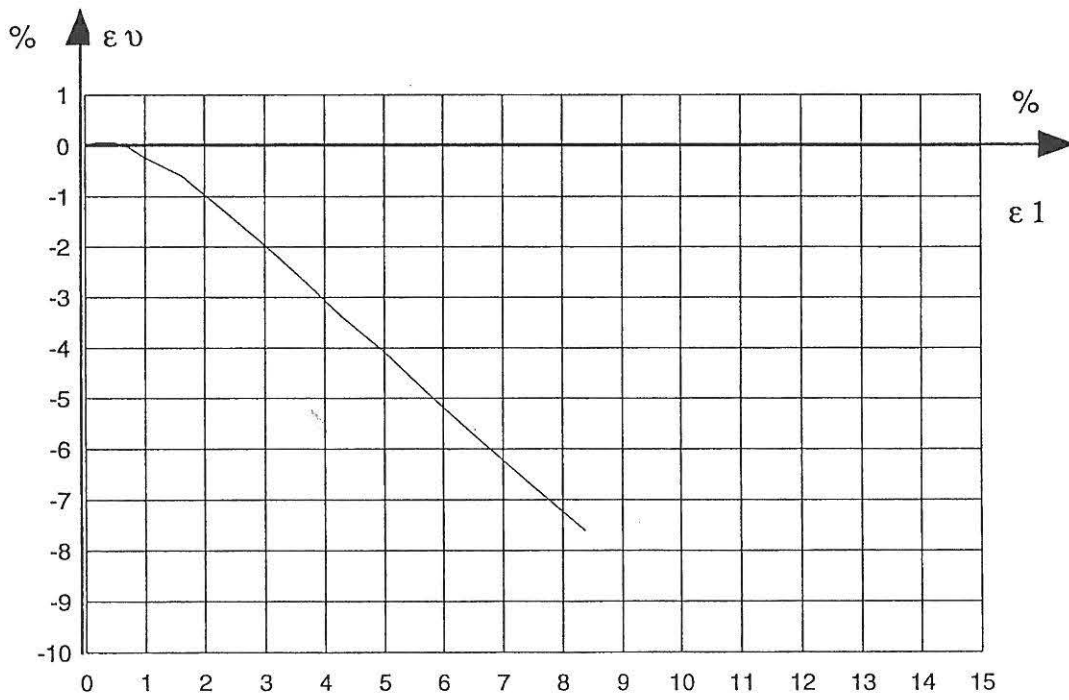
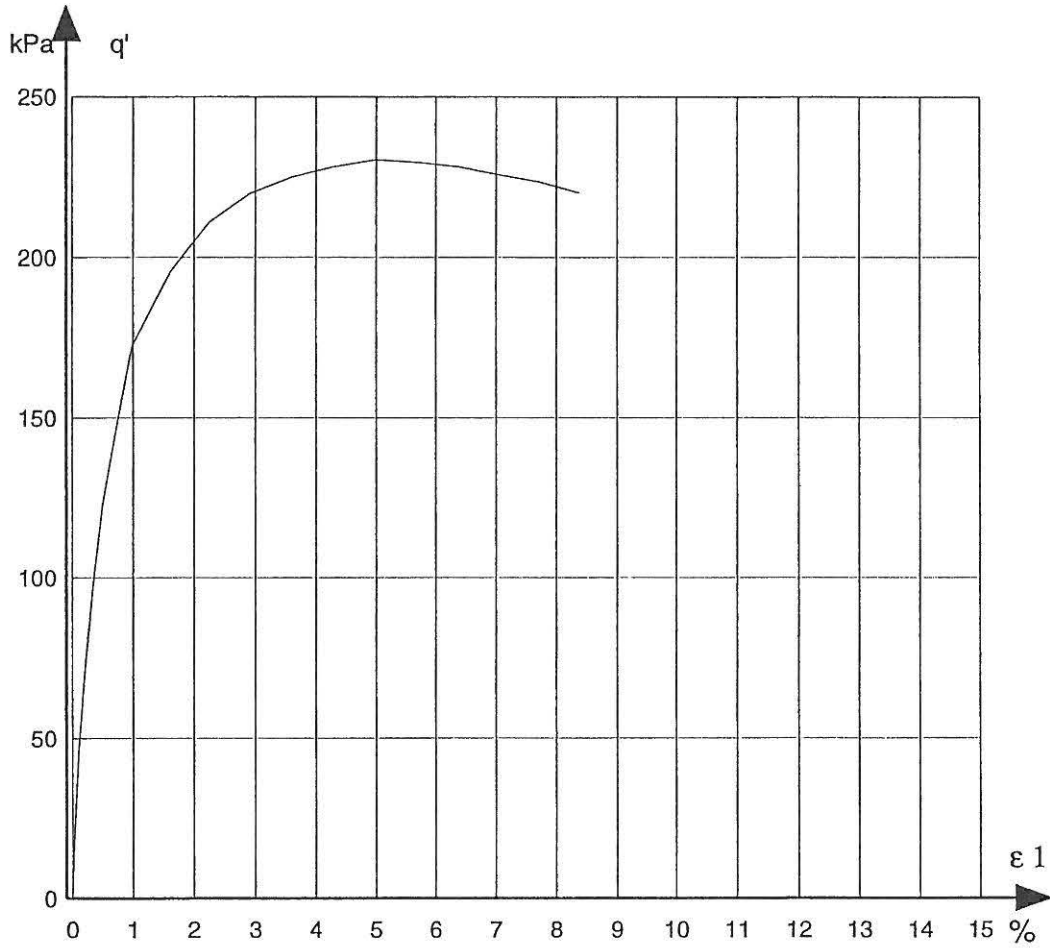
		Values at failure	Values for $\Delta\epsilon_v = 0$
Deviator stress	q'	230.5 kPa	122.6 kPa
Mean normal stress	p'	126.8 kPa	90.9 kPa
Confining pressures	σ_3	5.0 kPa	5.0 kPa
Vertical strain	ϵ_1	5.00 %	0.5 %
Volumetric strain	ϵ_v	-4.08 %	0.07 %



q'	p'	ϵ_1	ϵ_v
0.00	50.00	0.00	0.00
20.13	56.71	0.03	0.00
45.87	65.29	0.10	0.05
71.54	73.85	0.20	0.07
97.14	82.38	0.33	0.07
122.62	90.87	0.50	0.07
147.77	99.26	0.73	-0.02
172.55	107.52	0.98	-0.22
195.98	115.33	1.62	-0.60
211.05	120.35	2.25	-1.23
220.02	123.34	2.92	-1.89
225.02	125.01	3.60	-2.62
228.32	126.11	4.28	-3.37
230.49	126.83	5.00	-4.08
229.73	126.58	5.71	-4.87
228.31	126.10	6.40	-5.59
225.77	125.26	7.06	-6.28
223.56	124.52	7.73	-6.95
220.16	123.39	8.38	-7.61

Job:	Encl. No
Blokhussand	7
Exc:	Check:
HSP	LBI

Remark:

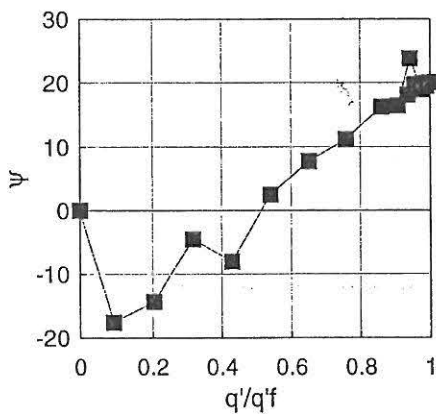
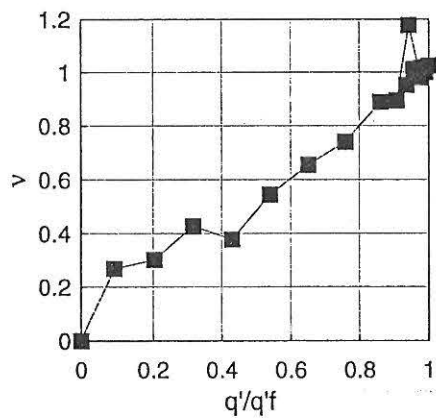


Job:	Encl. No
Blokhuis sand	8
Exc:	Check:
HPS	LBI

Description of soil Blokhus sand		Water content %	Before test	At failure
		Grain density	0	
Calibration file	Date	Void ratio	2.65	
Loadtransducer 200-3	10.08.77	Saturation	0.517	0.576
		Dimension H mm	0	
		D mm	72	
			70	

TEST-PROGRAM	Drained compression.		
CD - Triaxial test. free ends	1. Isotropic compression.	σ_3	8-50 kPa
		ϵ_1	0.1 %
		ϵ_v	0.32 %
	2. Drained compression.		
	Deformation rate:		8.0 % ph

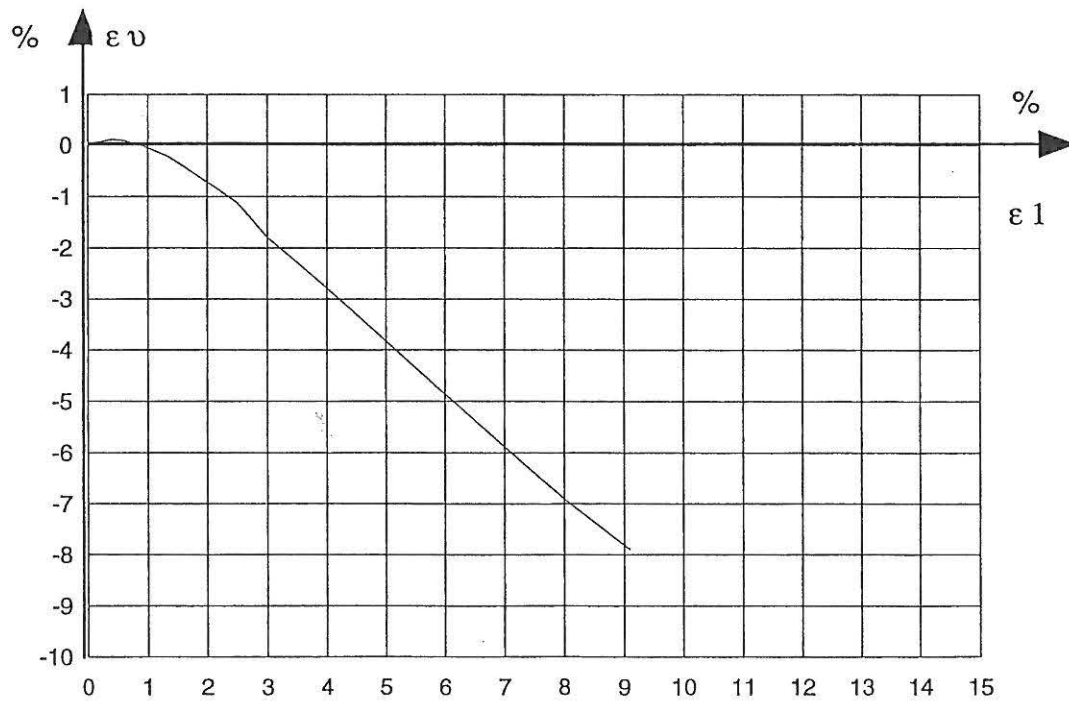
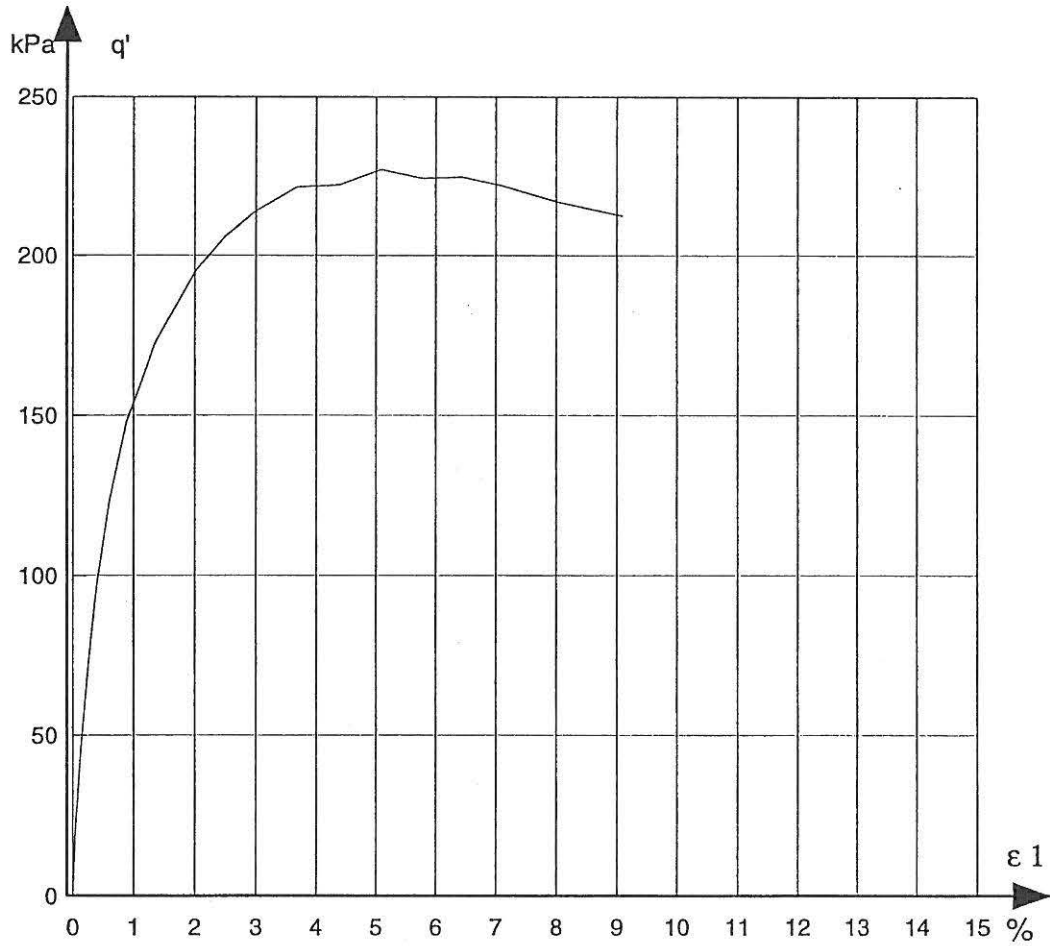
		Values at failure	Values for $\Delta\epsilon_v = 0$
Deviator stress	q'	227.2 kPa	97.6 kPa
Mean normal stress	p'	125.7 kPa	82.5 kPa
Confining pressures	σ_3	50.0 kPa	50.0 kPa
Vertical strain	ϵ_1	5.08 %	0.4 %
Volumetric strain	ϵ_v	-3.92 %	0.11 %



q'	p'	ϵ_1	ϵ_v
0.0	50.0	0.00	0.00
20.6	56.9	0.04	0.02
46.3	65.4	0.13	0.05
72.0	74.0	0.25	0.07
97.6	82.5	0.40	0.11
123.0	91.0	0.60	0.09
148.0	99.3	0.89	0.00
172.4	107.5	1.34	-0.22
195.4	115.1	2.01	-0.74
206.0	118.7	2.49	-1.12
214.0	121.3	2.99	-1.79
221.8	123.9	3.68	-2.45
222.3	124.1	4.40	-3.19
227.2	125.7	5.08	-3.92
224.4	124.8	5.78	-4.64
224.8	124.9	6.45	-5.31
222.1	124.0	7.11	-5.99
217.1	122.4	8.03	-6.93
212.6	120.9	9.10	-7.90

Job: Blokhus sand	Encl. No 9
Exc: HSP	Check: LBI

Remark:

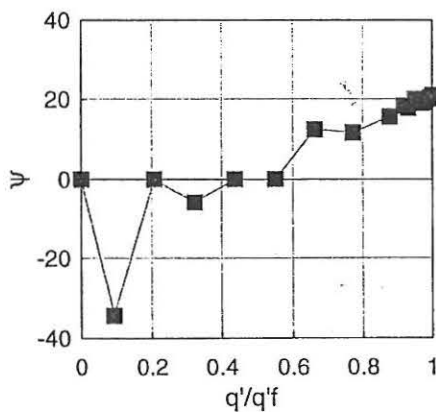
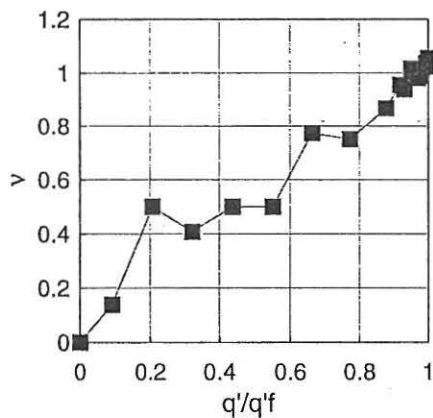


Job: Blokhus sand	Encl. No 10
Exc: HPS	Check: LBI

Description of soil Blokhus sand		Water content %	Before test	At failure
		Grain density	0	
Calibration file	Date	Void ratio	2.65	
Loadtransducer 200-3	11.08.77	Saturation	0.536	0.602
		Dimension H mm	0	
		D mm	72	
			70	

TEST-PROGRAM	Drained compression.		
CD - Triaxial test. free ends	1. Isotropic compression.	σ_3	8-50 kPa
		ϵ_1	0.08 %
		ϵ_v	0.22 %
	2. Drained compression.		
	Deformation rate:		9.1 % ph

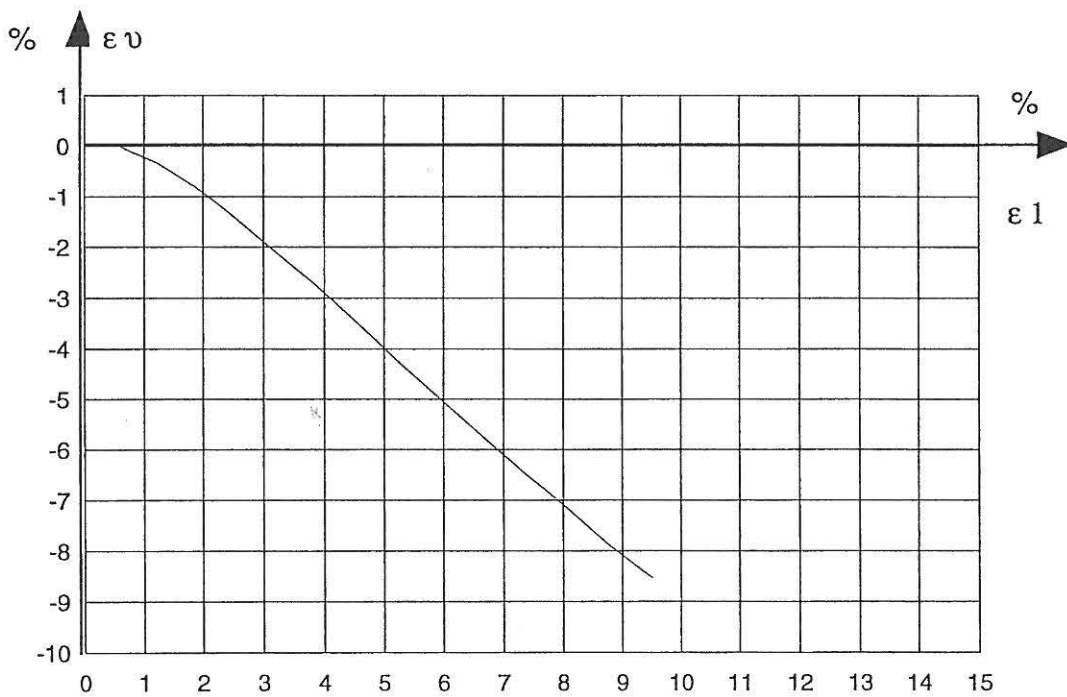
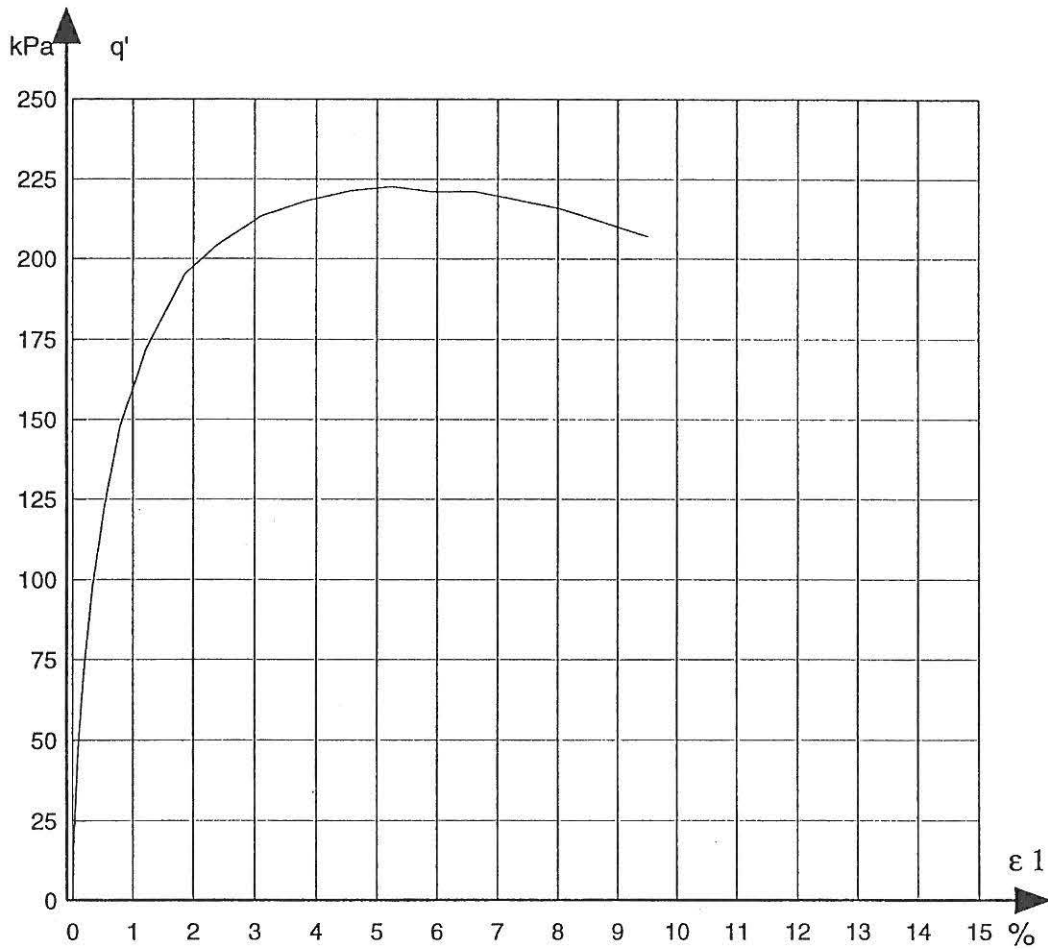
		Values at failure	Values for $\Delta\epsilon_v = 0$
Deviator stress	q'	222.8 kPa	122.7 kPa
Mean normal stress	p'	124.3 kPa	90.0 kPa
Confining pressures	σ_3	50.0 kPa	50.0 kPa
Vertical strain	ϵ_1	5.25 %	0.52 %
Volumetric strain	ϵ_v	-4.26 %	0.04 %



q'	p'	ϵ_1	ϵ_v
0.0	50.0	0.00	0.00
20.3	56.8	0.02	0.02
46.1	65.4	0.09	0.02
71.7	73.9	0.19	0.04
97.3	82.4	0.33	0.04
122.7	90.9	0.52	0.04
147.8	99.3	0.79	-0.11
172.2	107.4	1.22	-0.32
195.3	115.1	1.86	-0.79
204.4	118.1	2.39	-1.28
213.5	121.2	3.11	-2.00
218.2	122.7	3.83	-2.71
221.5	123.8	4.56	-3.50
222.8	124.3	5.25	-4.26
221.3	123.8	5.93	-4.98
221.3	123.8	6.61	-5.70
218.7	122.9	7.31	-6.42
215.9	122.0	8.03	-7.11
211.6	120.5	8.78	-7.89
207.2	119.1	9.52	-8.54

Job: Blokhus sand	Encl. No 11
Exc: HSP	Check: LBI

Remark:

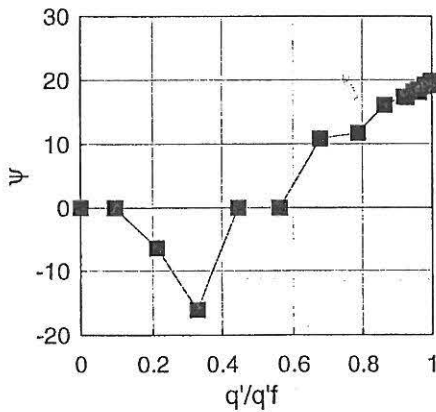
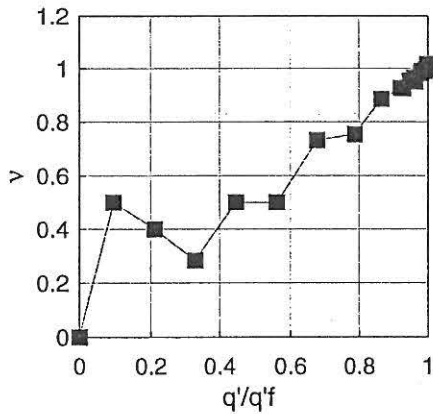


Job: Blokhus sand	Encl. No 12
Exc: HPS	Check: LBI

Description of soil Blokhus sand		Water content %	Before test	At failure
		Grain density	0	
Calibration file	Date	Void ratio	2.65	
Loadtransducer	12.08.77	Saturation	0.550	0.623
200-3		Dimension H mm	0	
		D mm	72	
			70	

TEST-PROGRAM	Drained compression.		
CD - Triaxial test. free ends	1. Isotropic compression.	σ_3	8-50 kPa
		ϵ_1	0.08 %
		ϵ_v	0.2 %
	2. Drained compression.		
	Deformation rate:		9.1 % ph

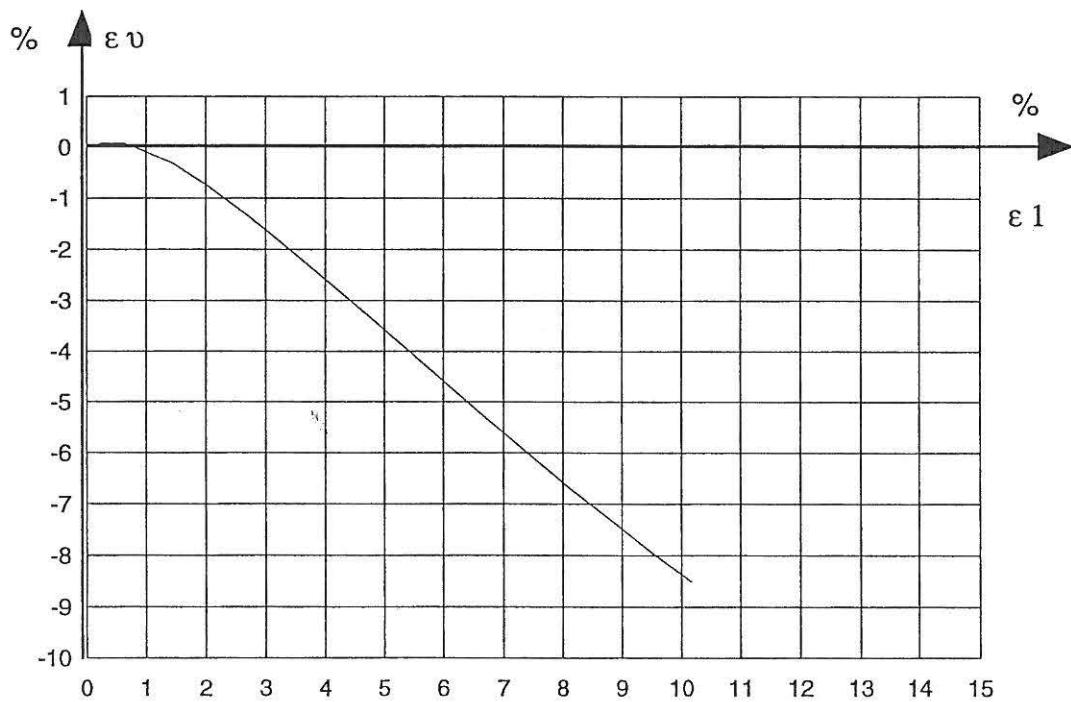
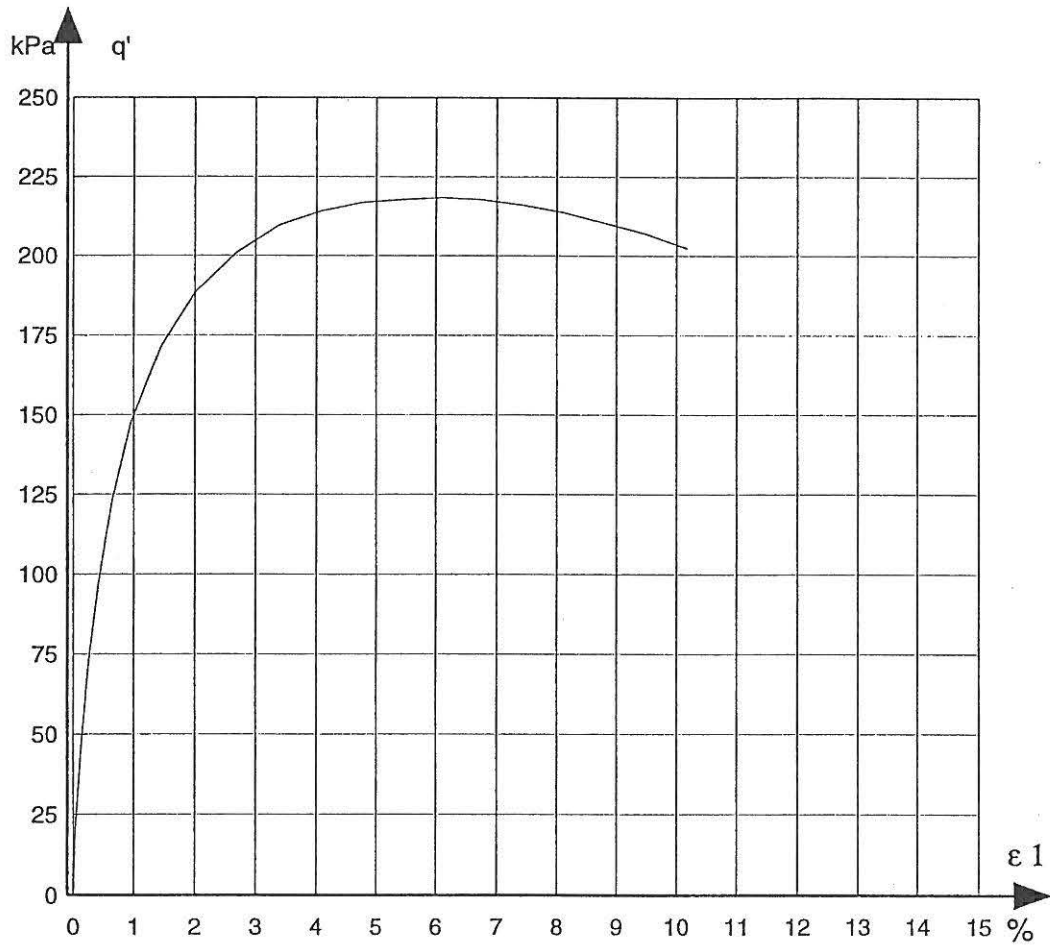
		Values at failure	Values for $\Delta\epsilon_v = 0$
Deviator stress	q'	218.5 kPa	122.9 kPa
Mean normal stress	p'	122.8 kPa	91.0 kPa
Confining pressures	σ_3	50.0 kPa	50.0 kPa
Vertical strain	ϵ_1	6.10 %	0.64 %
Volumetric strain	ϵ_v	-4.69 %	0.07 %



q'	p'	ϵ_1	ϵ_v
0.0	50.0	0.00	0.00
20.6	56.9	0.03	0.00
46.3	65.4	0.13	0.02
72.0	74.0	0.25	0.07
97.5	82.5	0.42	0.07
122.9	91.0	0.64	0.07
147.8	99.3	0.95	-0.07
172.0	107.3	1.45	-0.32
188.8	112.9	2.01	-0.76
201.0	117.0	2.69	-1.34
209.8	119.9	3.39	-1.98
214.2	121.4	4.09	-2.67
217.0	122.3	4.78	-3.36
217.8	122.6	5.44	-4.02
218.5	122.8	6.10	-4.69
217.9	122.6	6.75	-5.36
216.2	122.1	7.43	-6.03
213.8	121.3	8.10	-6.68
210.5	120.2	8.81	-7.31
207.0	119.0	9.50	-7.94
202.5	117.5	10.18	-8.52

Job:	Encl. No
Blokhus sand	13
Exc:	Check:
HSP	LBI

Remark:

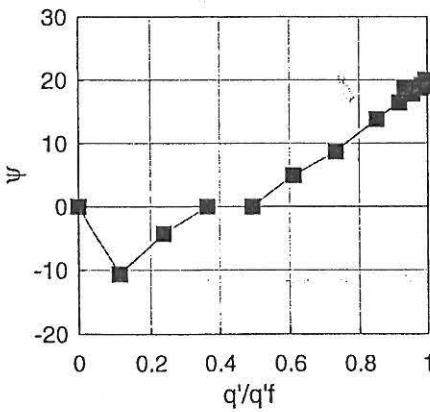
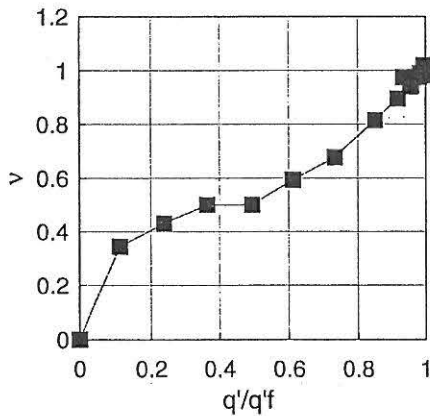


Job: Blokhus sand	Encl. No 14
Exc: HPS	Check: LBI

Description of soil Blokhus sand		Water content %	Before test	At failure
		Grain density	0	
Calibration file	Date	Void ratio	2.65	0.618
Loadtransducer 200-3	15.08.77	Saturation	0.547	
		Dimension H mm	0	
		D mm	72	
			70	

TEST-PROGRAM	Drained compression.		
CD - Triaxial test. free ends	1. Isotropic compression.	σ_3	8-100 kPa
		ϵ_1	0.12 %
		ϵ_v	0.23 %
	2. Drained compression.		
	Deformation rate:		8.6 % ph

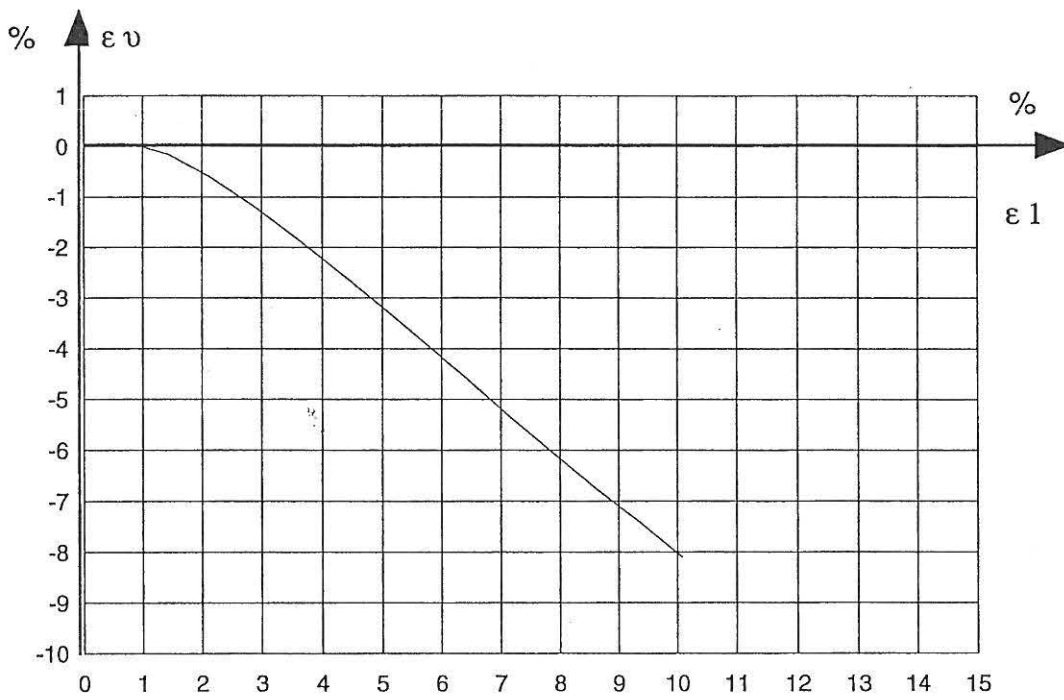
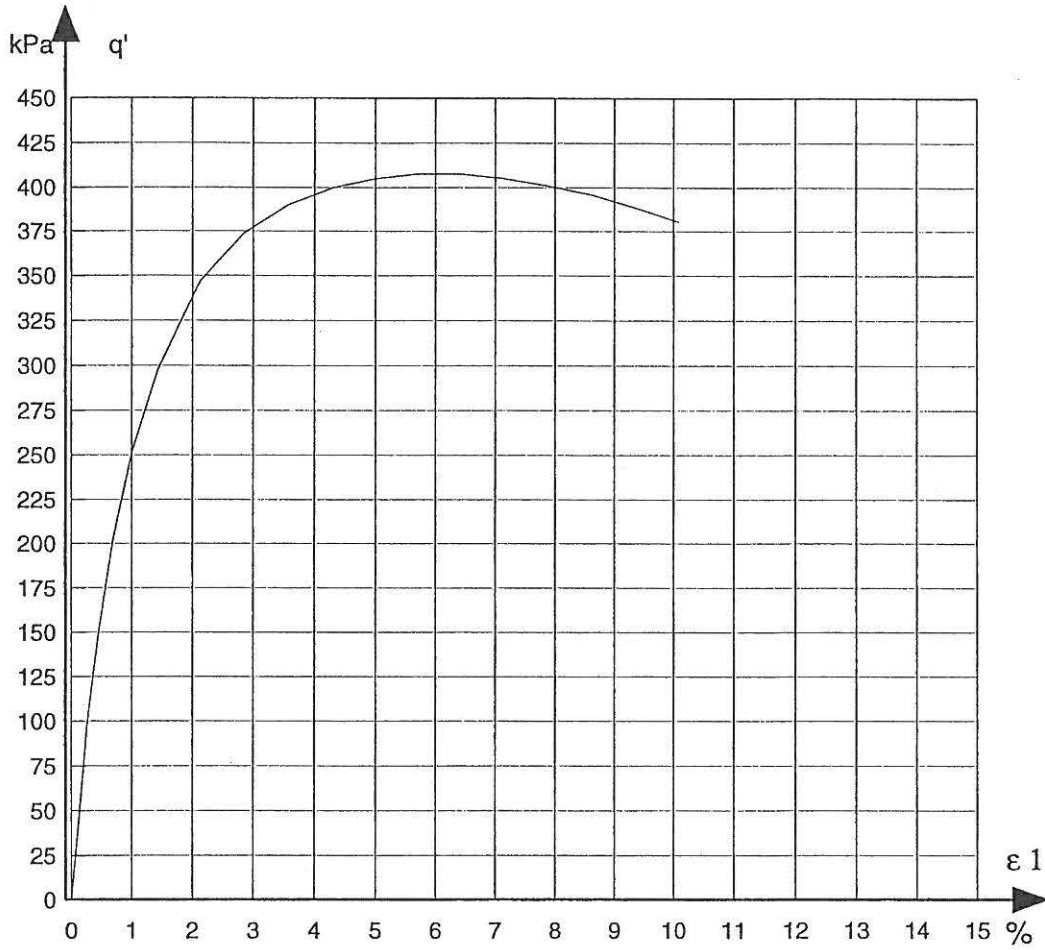
		Values at failure		Values for $\Delta\epsilon_v = 0$	
Deviator stress	q'	407.7	kPa	201.6	kPa
Mean normal stress	p'	235.9	kPa	167.2	kPa
Confining pressures	σ_3	100.0	kPa	100.0	kPa
Vertical strain	ϵ_1	6.41	%	0.69	%
Volumetric strain	ϵ_v	-4.57	%	0.05	%



q'	p'	ϵ_1	ϵ_v
0.0	100.0	0.00	0.00
45.8	115.3	0.12	0.04
97.1	132.4	0.25	0.05
148.3	149.4	0.45	0.05
201.6	167.2	0.69	0.05
249.4	183.1	0.98	0.00
298.5	199.5	1.44	-0.16
346.8	215.6	2.12	-0.60
373.9	224.6	2.85	-1.17
390.1	230.0	3.58	-1.82
399.8	233.3	4.30	-2.51
404.9	235.0	5.00	-3.19
407.7	235.9	5.70	-3.88
407.7	235.9	6.41	-4.57
405.0	235.0	7.14	-5.32
400.9	233.6	7.87	-6.05
395.8	231.9	8.63	-6.77
388.5	229.5	9.37	-7.42
380.4	226.8	10.09	-8.10

Job: Blokhus sand	Encl. No 15
Exc: HSP	Check: LBI

Remark:

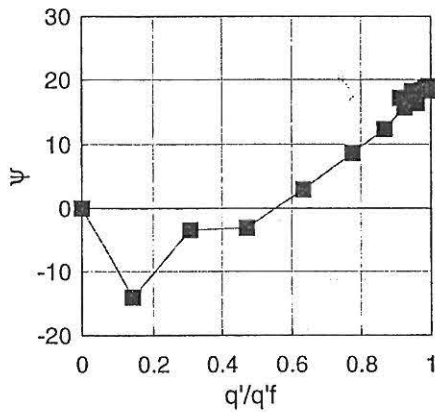
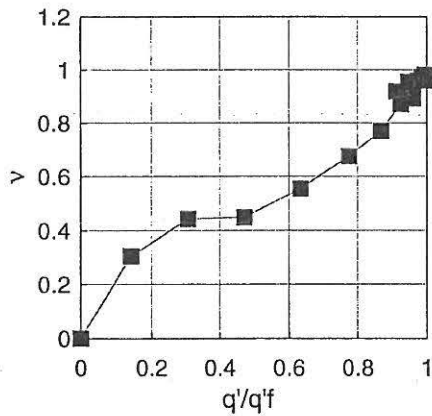


Job: Blokhus sand	Encl. No 16
Exc: HPS	Check: LBI

Description of soil Blokhus sand		Water content %	Before test	At failure
		Grain density	0	
Calibration file	Date	Void ratio	2.65	
Loadtransducer	16.08.77	Saturation	0.547	0.601
500-1		Dimension H mm	0	
		D mm	72	
			70	

TEST-PROGRAM	Drained compression.		
CD - Triaxial test. free ends	1. Isotropic compression.	σ_3	8-200 kPa
		ϵ_1	0.21 %
		ϵ_v	0.36 %
	2. Drained compression.		
	Deformation rate:		9.2 % ph

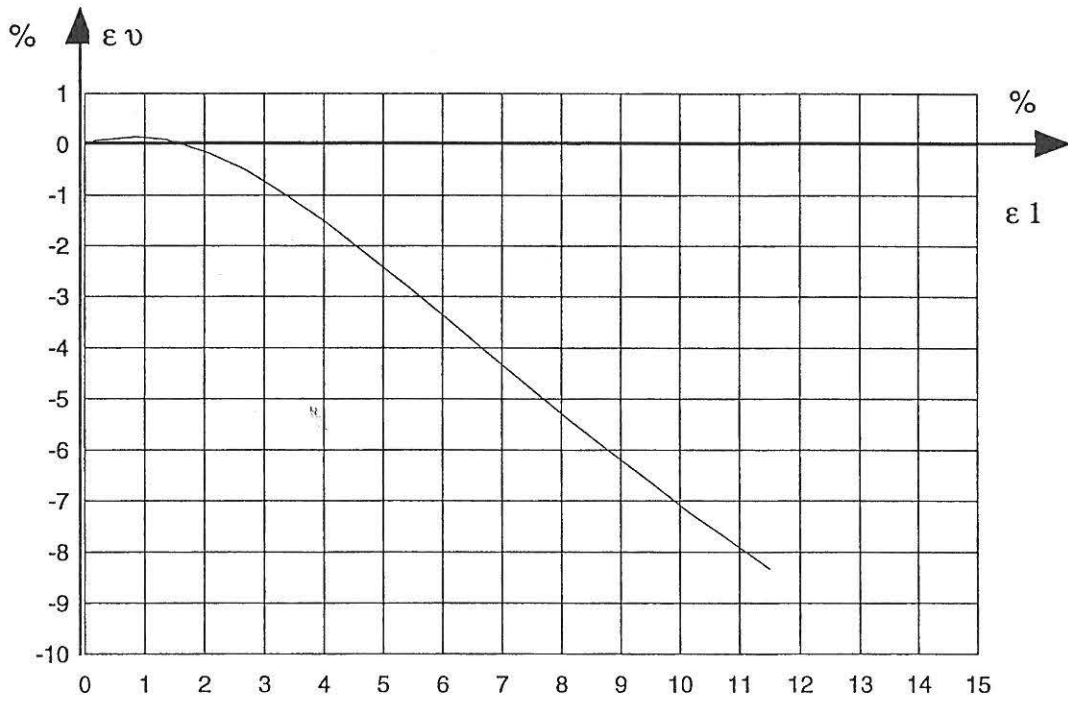
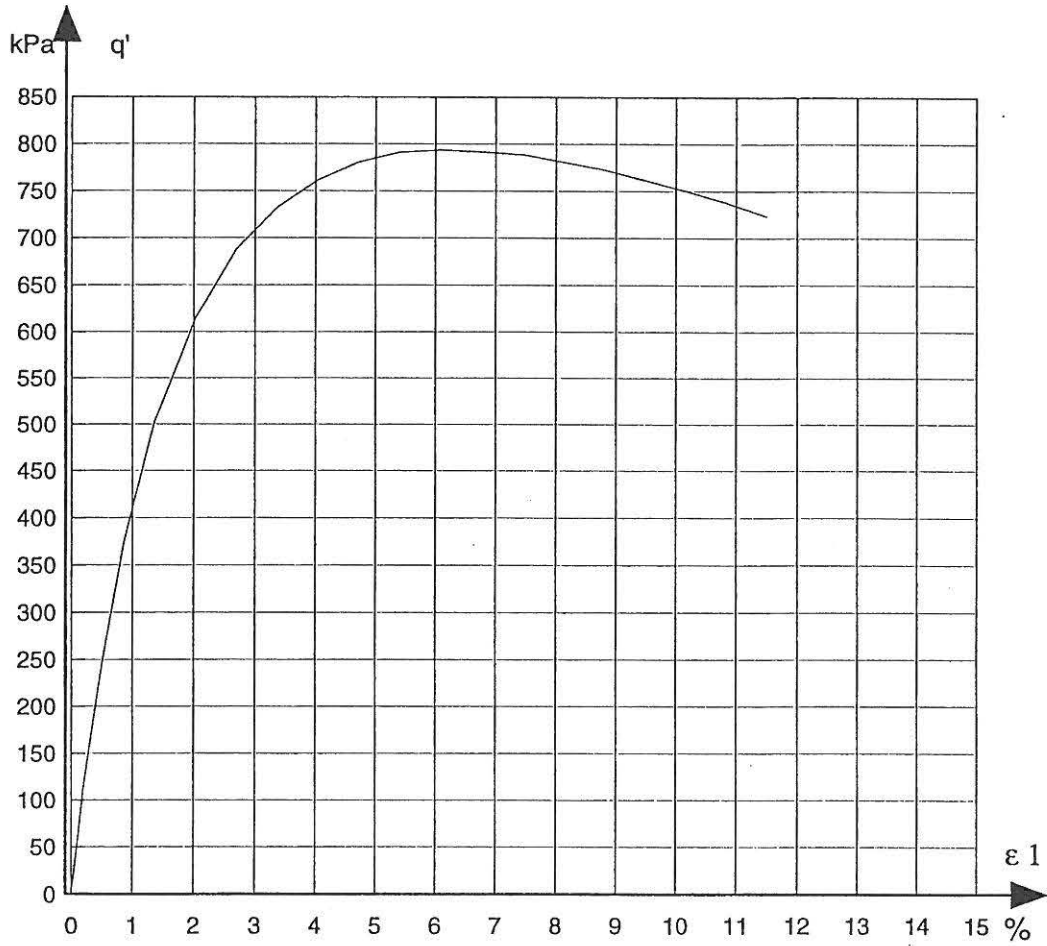
		Values at failure	Values for $\Delta\epsilon_v = 0$
Deviator stress	q'	793.9 kPa	374.7 kPa
Mean normal stress	p'	464.6 kPa	324.9 kPa
Confining pressures	σ_3	200.0 kPa	200.0 kPa
Vertical strain	ϵ_1	6.11 %	0.86 %
Volumetric strain	ϵ_v	-3.46 %	0.14 %



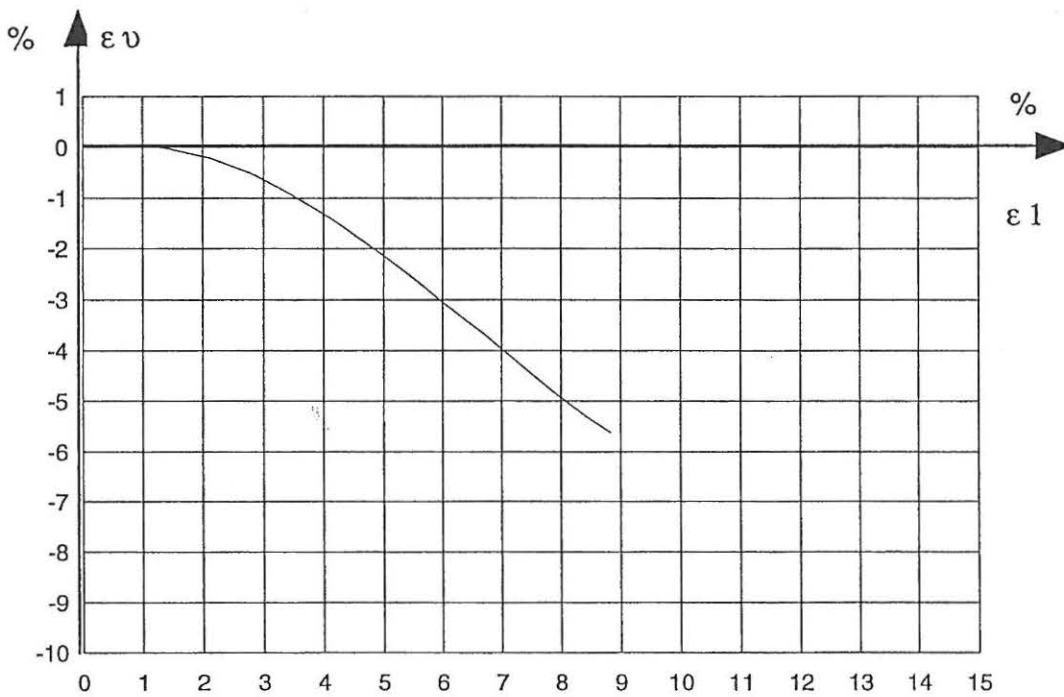
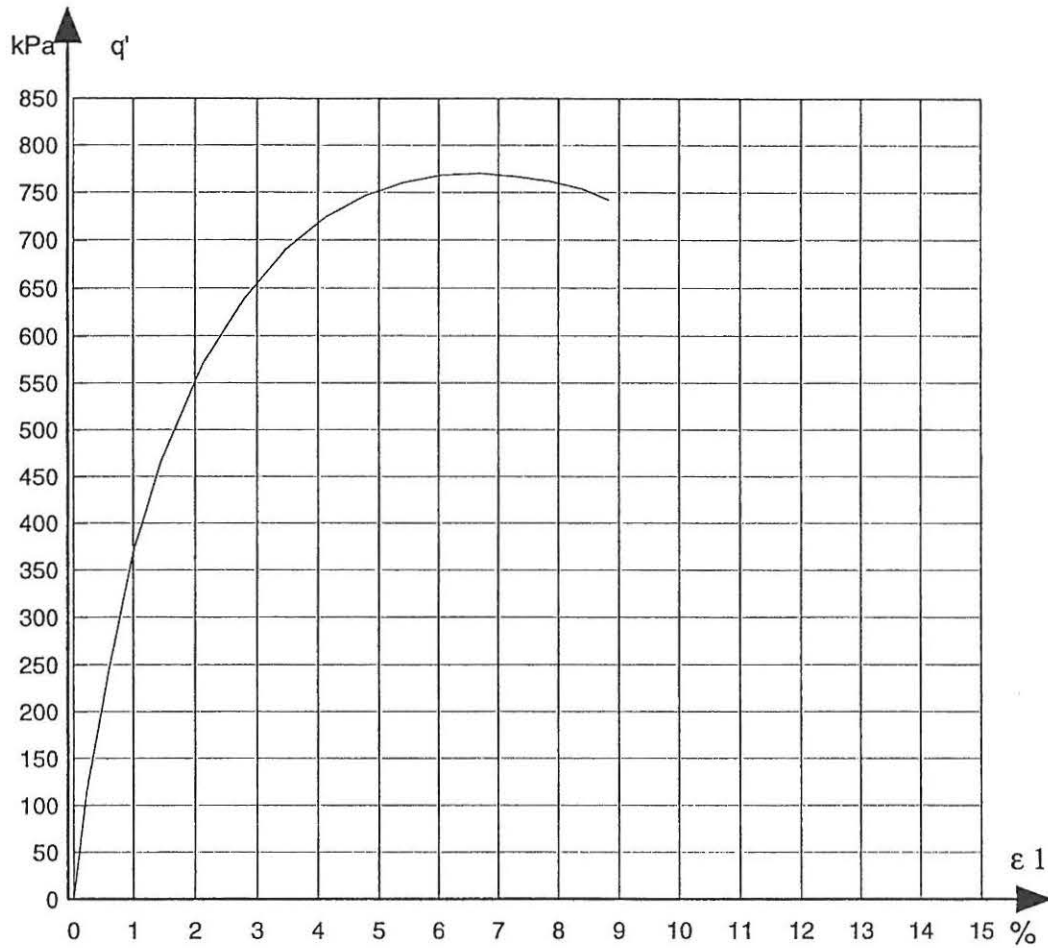
q'	p'	ϵ_1	ϵ_v
0.0	200.0	0.00	0.00
112.6	237.5	0.19	0.07
244.1	281.4	0.50	0.11
374.7	324.9	0.86	0.14
503.2	367.7	1.36	0.09
615.1	405.0	2.03	-0.14
688.2	429.4	2.69	-0.51
733.1	444.4	3.37	-1.01
761.8	453.9	4.04	-1.53
780.7	460.2	4.72	-2.17
791.6	463.9	5.41	-2.80
793.9	464.6	6.11	-3.46
791.9	464.0	6.80	-4.13
788.9	463.0	7.48	-4.78
780.8	460.3	8.14	-5.41
772.9	457.6	8.81	-6.03
762.0	454.0	9.48	-6.60
750.9	450.3	10.15	-7.22
738.3	446.1	10.82	-7.76
723.3	441.1	11.50	-8.34

Job: Blokhus sand	Encl. No 17
Exc: HSP	Check: LBI

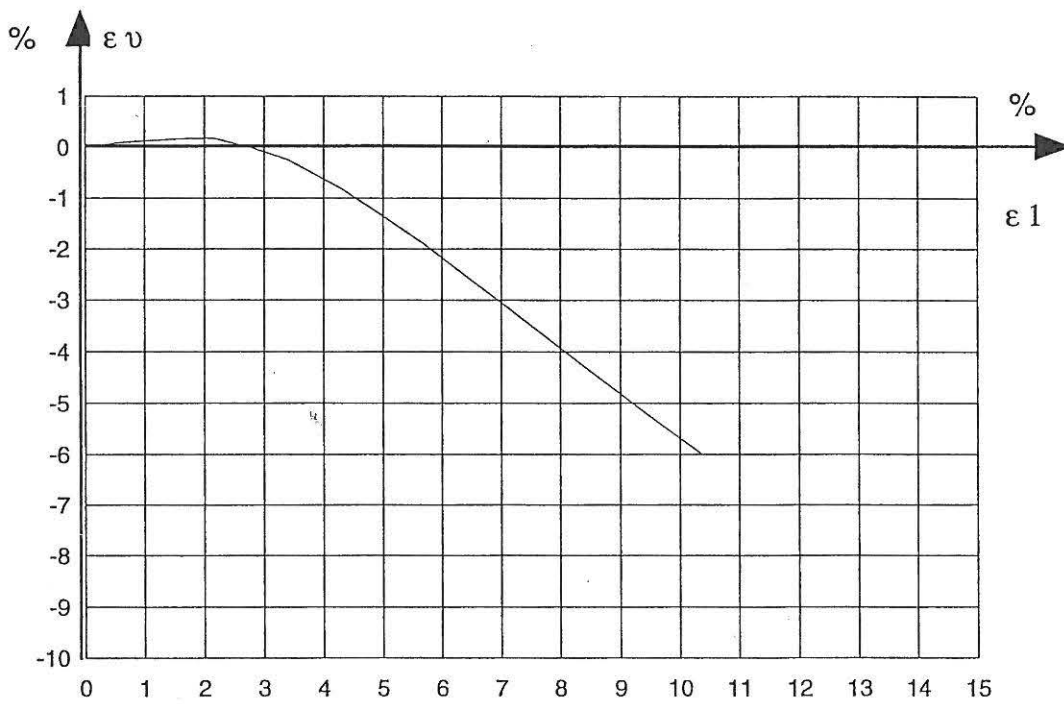
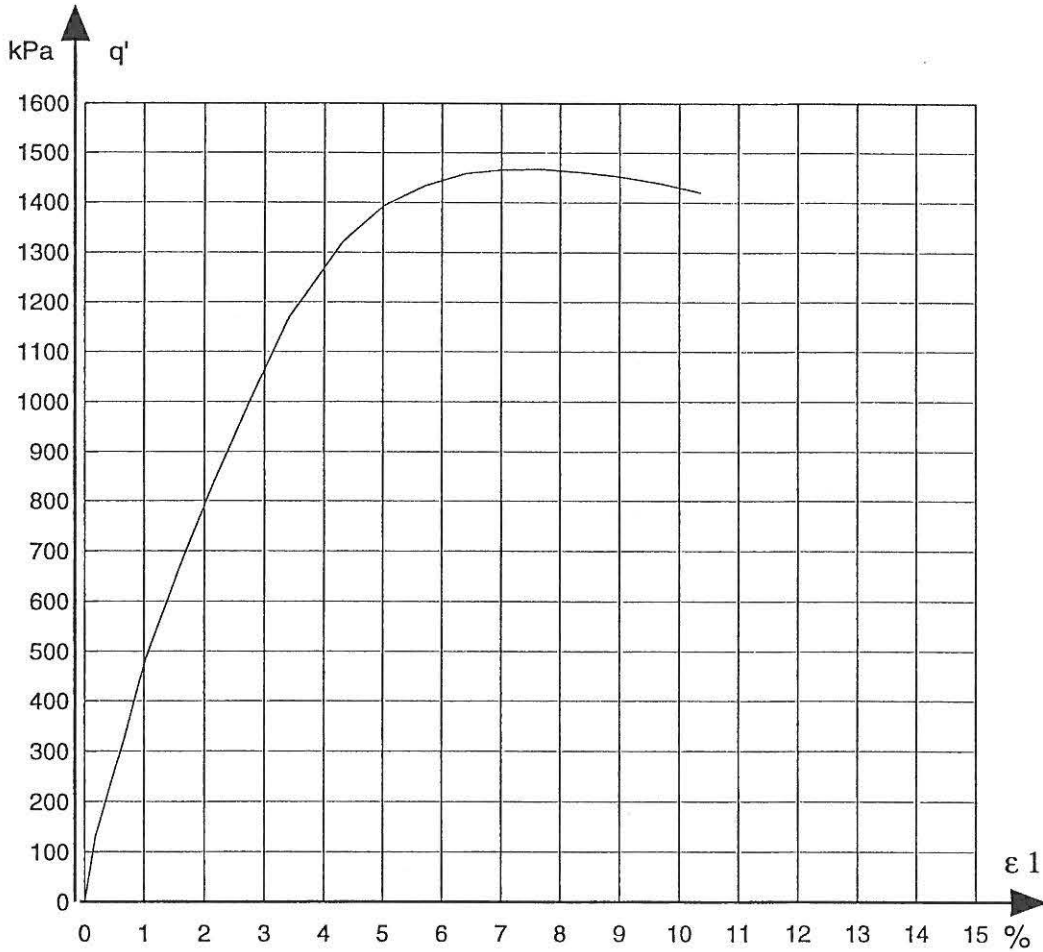
Remark:



Job: Blokhus sand	Encl. No 18
Exc: HPS	Check: LBI



Job: Blokhus sand	Encl. No 20
Exc: HPS	Check: LBI

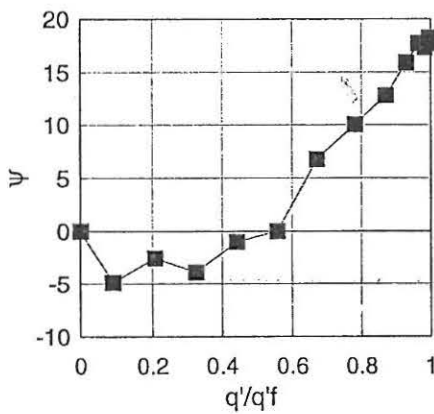
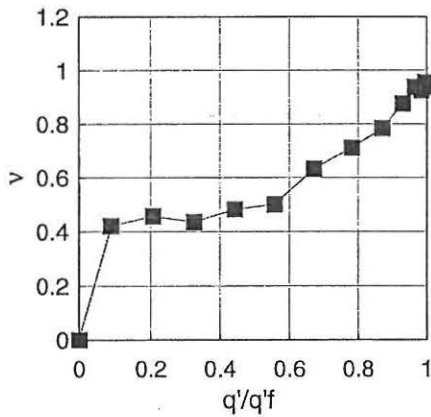


Job:	Blokhus sand	Encl. No	22
Exc:	HPS	Check:	LBI

Description of soil Blokhus sand		Water content %	Before test	At failure
		Grain density	0	
Calibration file	Date	Void ratio	2.65	
Loadtransducer 1500-1	30.08.77	Saturation	0.539	0.602
		Dimension H mm	0	
		D mm	72	
			70	

TEST-PROGRAM	Drained compression.		
CD - Triaxial test. free ends	1. Isotropic compression.	σ_3	8-400 kPa
		ϵ_1	0.28 %
		ϵ_v	0.63 %
	2. Drained compression.		
	Deformation rate:		9.0 % ph

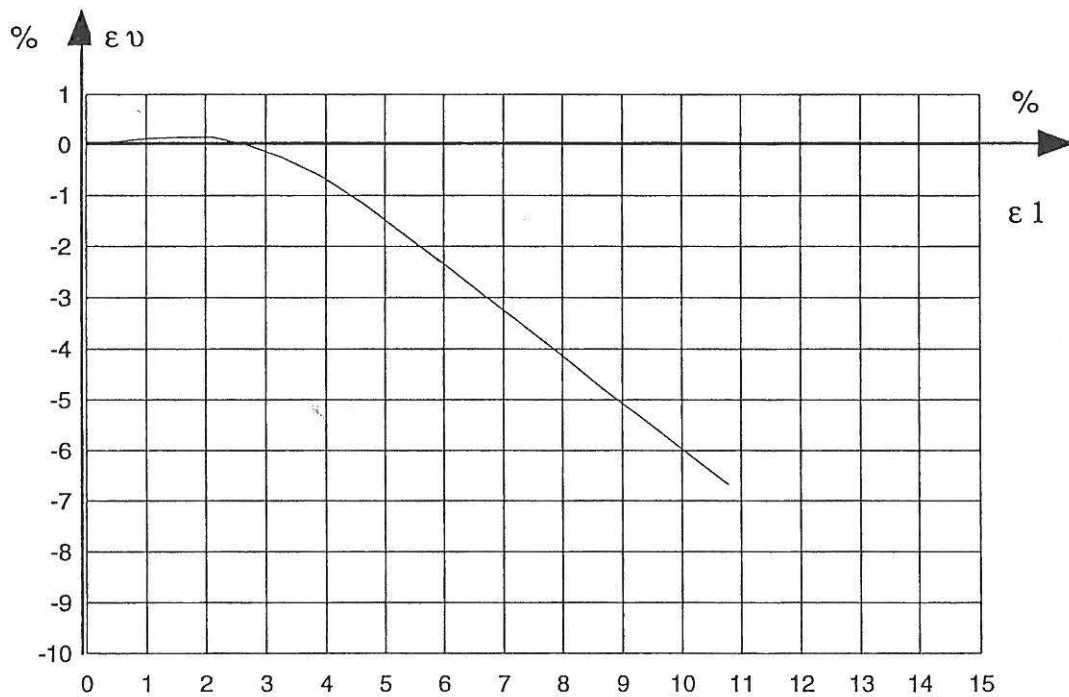
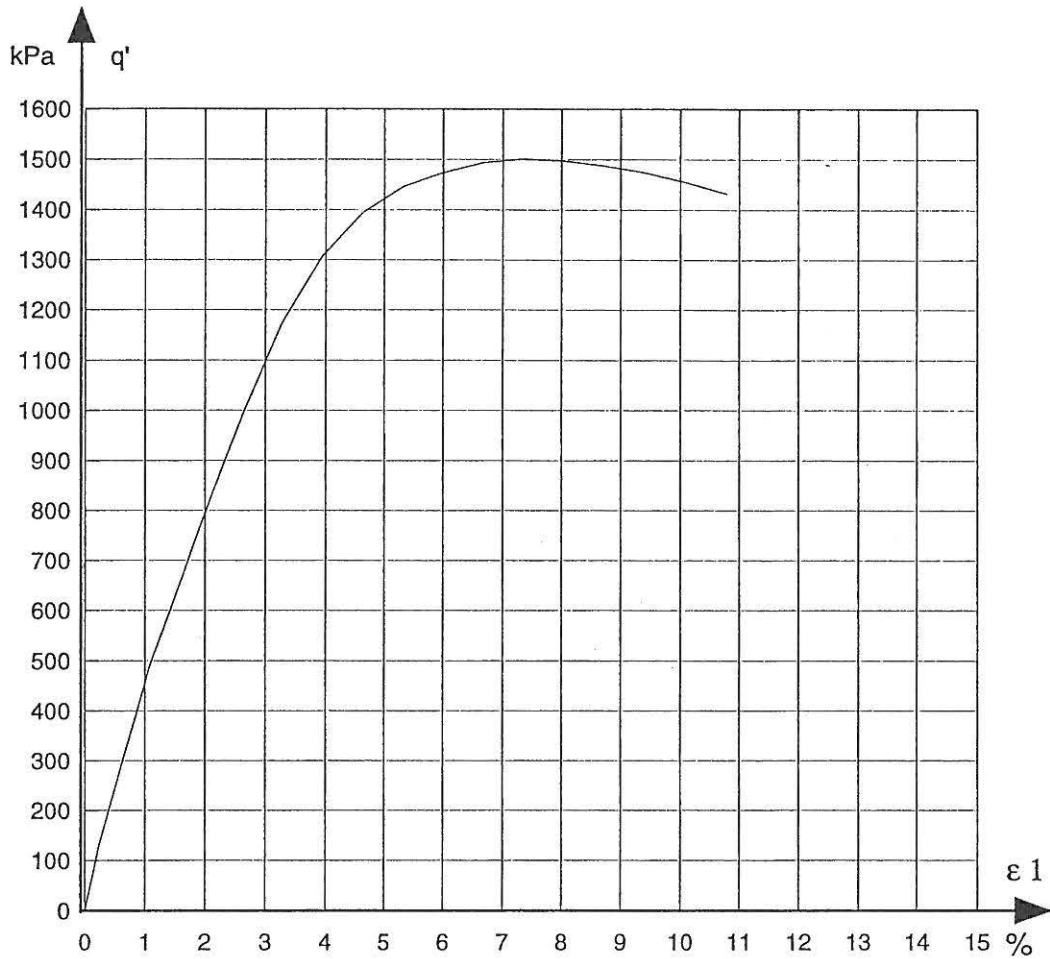
		Values at failure	Values for $\Delta\epsilon_v = 0$
Deviator stress	q'	1,500.8 kPa	837.2 kPa
Mean normal stress	p'	900.3 kPa	679.1 kPa
Confining pressures	σ_3	400.0 kPa	400.0 kPa
Vertical strain	ϵ_1	7.34 %	2.14 %
Volumetric strain	ϵ_v	-3.54 %	0.14 %



q'	p'	ϵ_1	ϵ_v
0.0	400.0	0.00	0.00
131.6	443.9	0.23	0.04
310.6	503.5	0.65	0.07
488.3	562.8	1.08	0.13
663.8	621.3	1.61	0.14
837.2	679.1	2.13	0.14
1007.2	735.7	2.67	0.00
1172.7	790.9	3.27	-0.25
1305.4	835.1	3.93	-0.63
1394.5	864.8	4.63	-1.15
1446.5	882.2	5.33	-1.77
1474.4	891.5	6.01	-2.35
1493.8	897.9	6.68	-2.96
1500.8	900.3	7.34	-3.54
1497.7	899.2	8.02	-4.15
1487.8	895.9	8.70	-4.80
1474.5	891.5	9.40	-5.41
1455.1	885.0	10.10	-6.06
1432.6	877.5	10.79	-6.68

Job: Blokhus sand	Encl. No 23
Exc: HSP	Check: LBI

Remark:

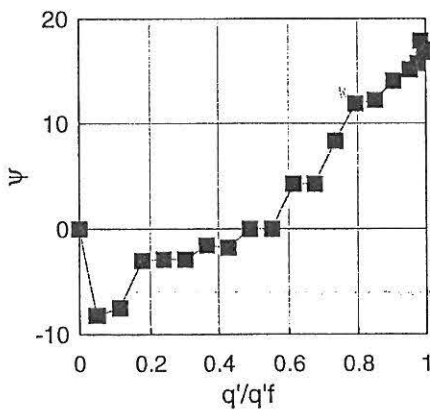
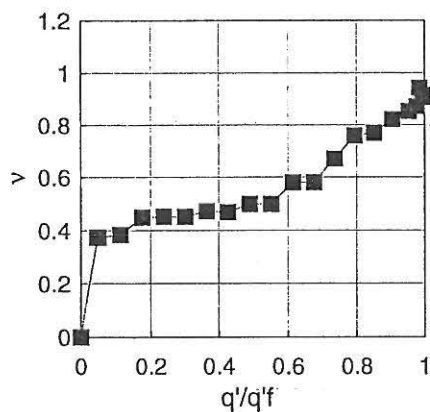


Job: Blokhus sand	Encl. No 24
Exc: HPS	Check: LBI

Description of soil Blokhus sand		Water content %	Before test	At failure
		Grain density	0	
Calibration file	Date	Void ratio	2.65	
Loadtransducer 1500-1	31.08.77	Saturation	0.551	0.598
		Dimension H mm	0	
		D mm	72	
			70	

TEST-PROGRAM	Drained compression.		
CD - Triaxial test. free ends	1. Isotropic compression.	σ_3	8-800 kPa
		ϵ_1	0.29 %
		ϵ_v	0.85 %
	2. Drained compression.		
	Deformation rate:		8.4 % ph

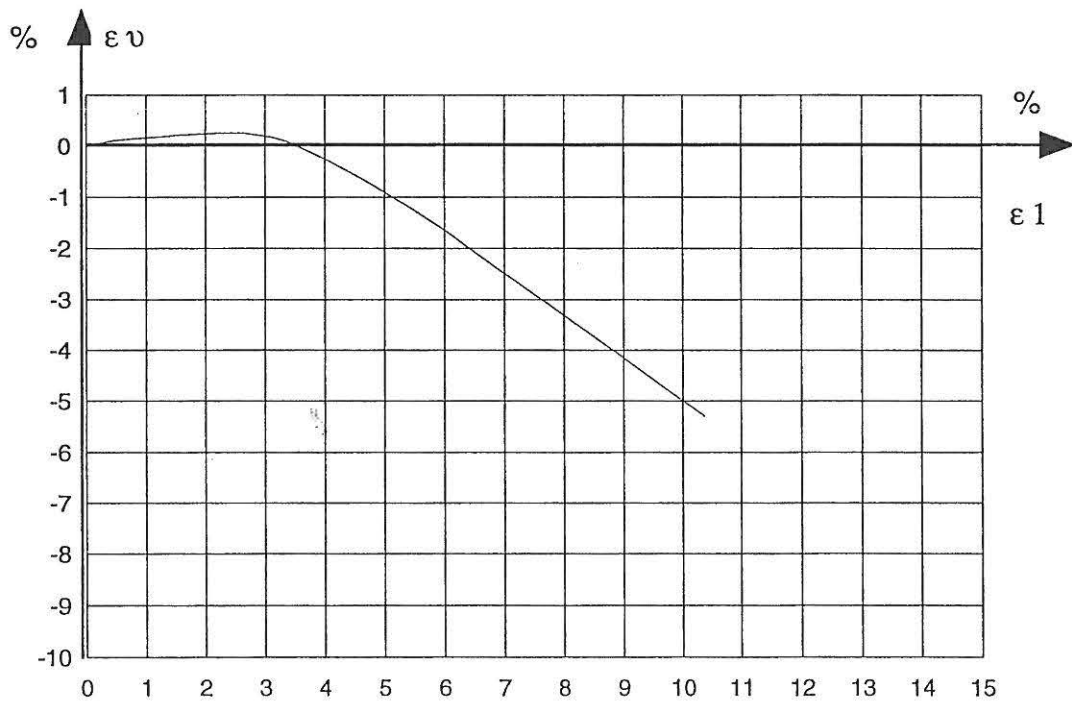
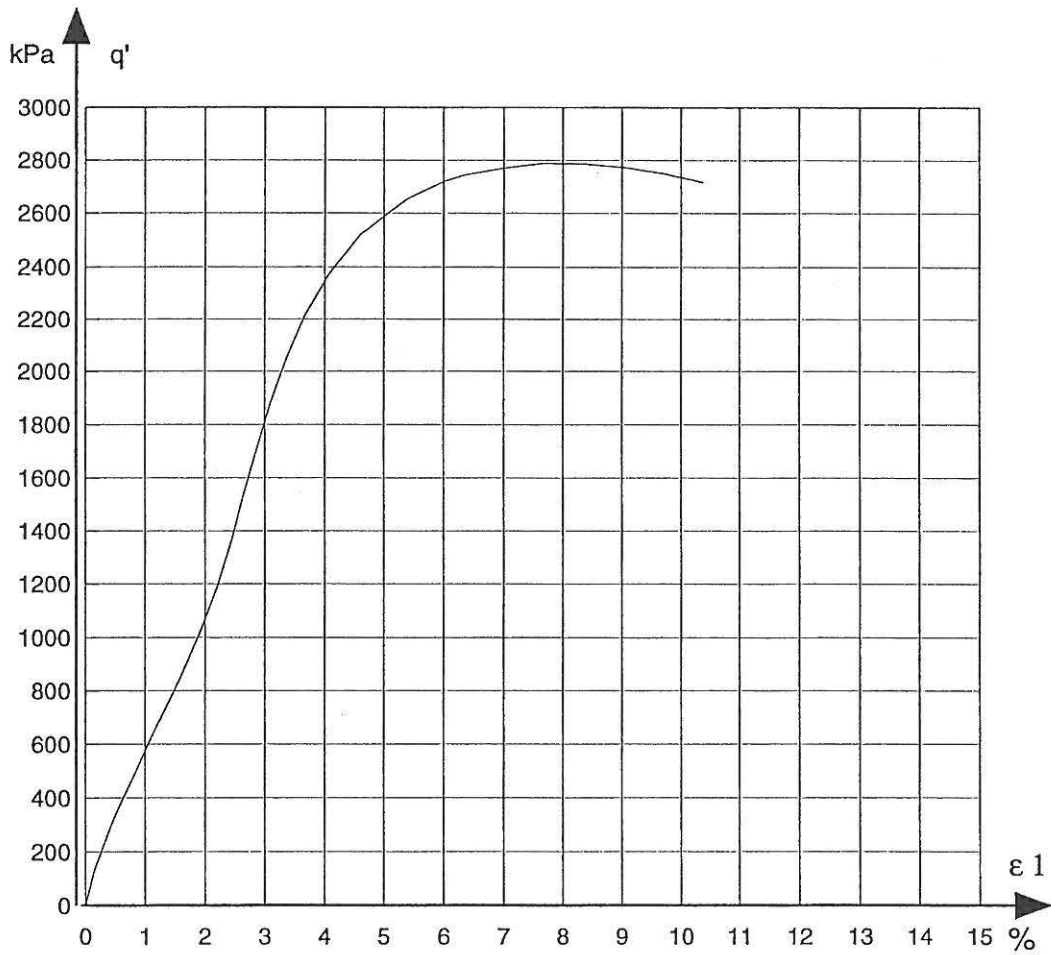
		Values at failure	Values for $\Delta \epsilon_v = 0$
Deviator stress	q'	2,788.0 kPa	1,538.8 kPa
Mean normal stress	p'	1,729.3 kPa	1,312.9 kPa
Confining pressures	σ_3	800.0 kPa	800.0 kPa
Vertical strain	ϵ_1	7.67 %	2.64 %
Volumetric strain	ϵ_v	-3.03 %	0.25 %



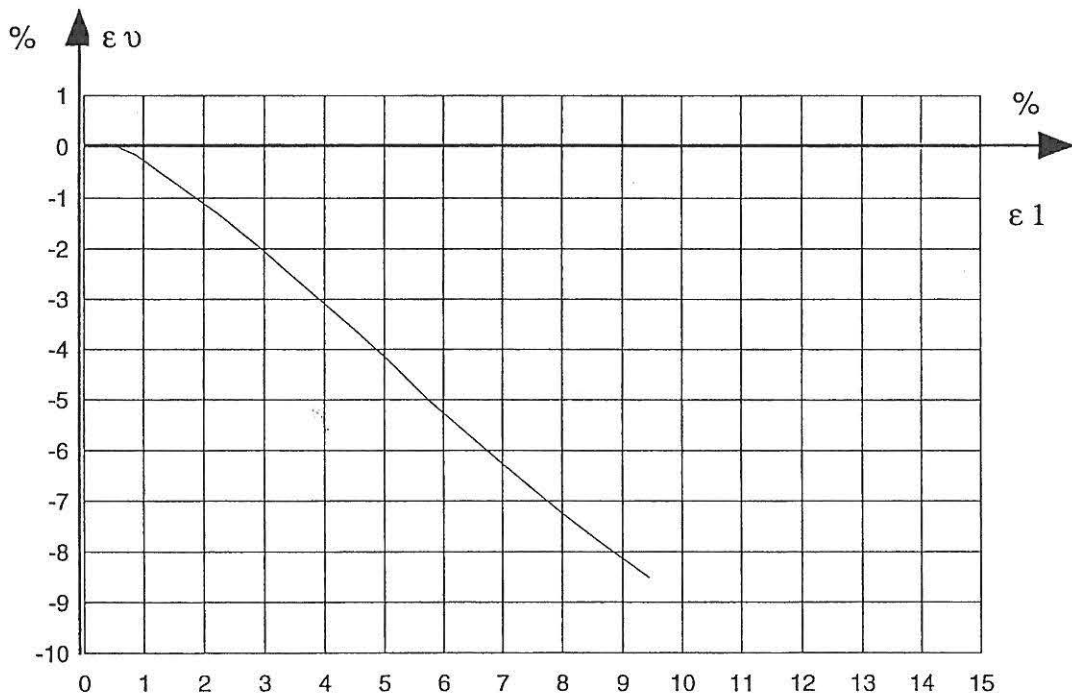
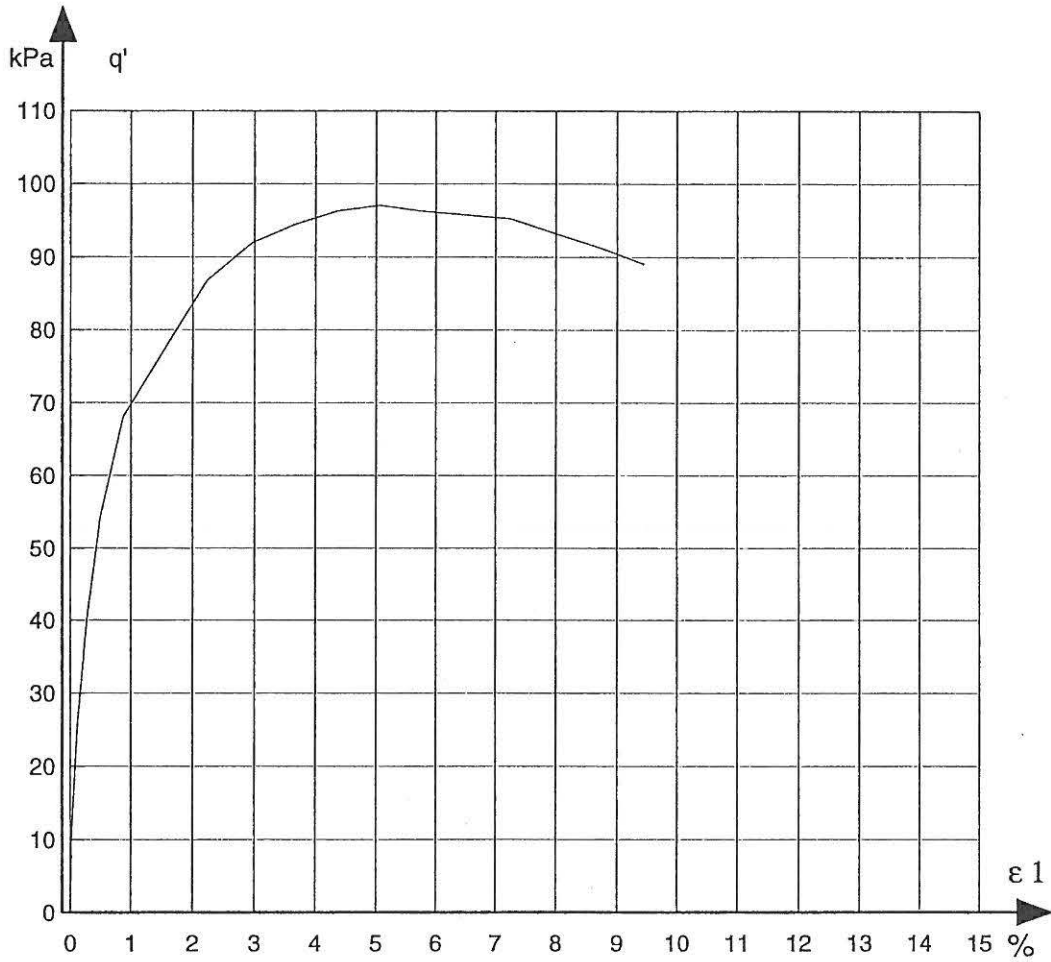
q'	p'	ϵ_1	ϵ_v
0.0	800.0	0.00	0.00
131.7	843.9	0.14	0.04
311.3	903.8	0.46	0.11
489.7	963.2	0.82	0.14
666.8	1022.3	1.19	0.18
842.6	1080.9	1.57	0.22
1017.4	1139.1	1.91	0.23
1191.6	1197.2	2.21	0.25
1365.3	1255.1	2.44	0.25
1538.8	1312.9	2.64	0.25
1710.5	1370.2	2.87	0.22
1881.3	1427.1	3.09	0.18
2213.1	1537.7	3.67	-0.07
2371.8	1590.6	4.07	-0.29
2521.8	1640.6	4.60	-0.63
2655.8	1685.3	5.39	-1.19
2722.1	1707.4	6.03	-1.66
2745.4	1715.1	6.35	-1.95
2770.9	1723.6	7.01	-2.49
2788.0	1729.3	7.67	-3.03
2786.2	1728.7	8.35	-3.61
2773.3	1724.4	9.04	-4.19
2749.9	1716.6	9.72	-4.76
2716.5	1705.5	10.39	-5.31

Job:	Encl. No
Blokhus sand	25
Exc:	Check:
HSP	LBI

Remark:



Job: Blokhus sand	Encl. No 26
Exc: HPS	Check: LBI

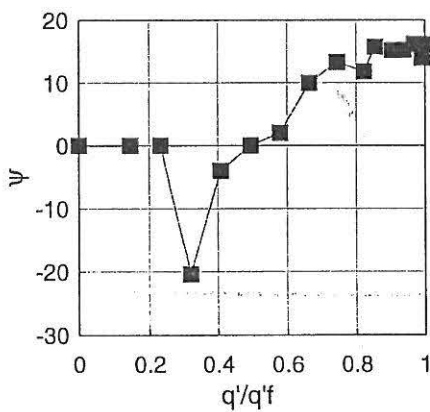
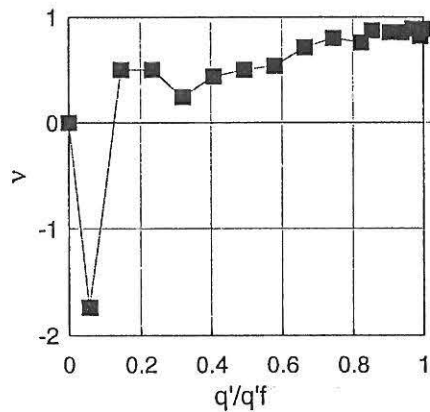


Job:	Encl. No
Blokhuis sand	28
Exc:	Check:
HPS	LBI

Description of soil Blokhus sand		Water content %	Before test	At failure
		Grain density	0	
Calibration file	Date	Void ratio	2.65	
Loadtransducer 50-2	05.09.78	Saturation	0.560	0.618
		Dimension H mm	72	
		D mm	70	

TEST-PROGRAM	Drained compression.		
CD - Triaxial test. free ends	1. Isotropic compression.	σ_3	6.5-20 kPa
		ϵ_1	0.02 %
		ϵ_v	0.34 %
	2. Drained compression.		
	Deformation rate:		7.7 % ph

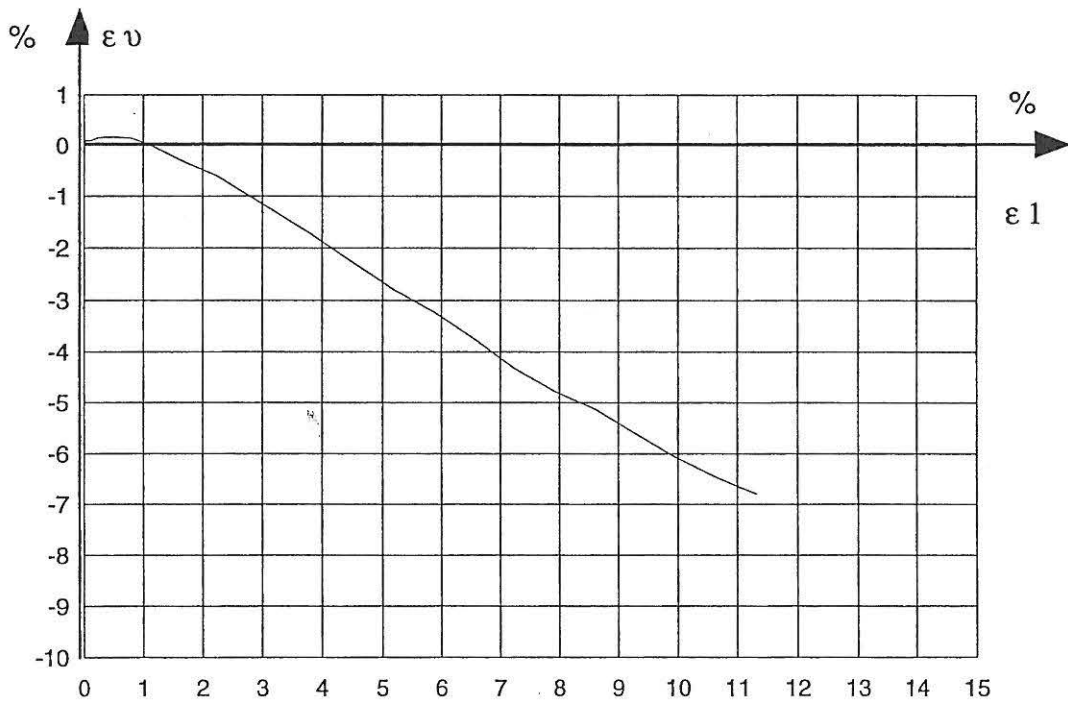
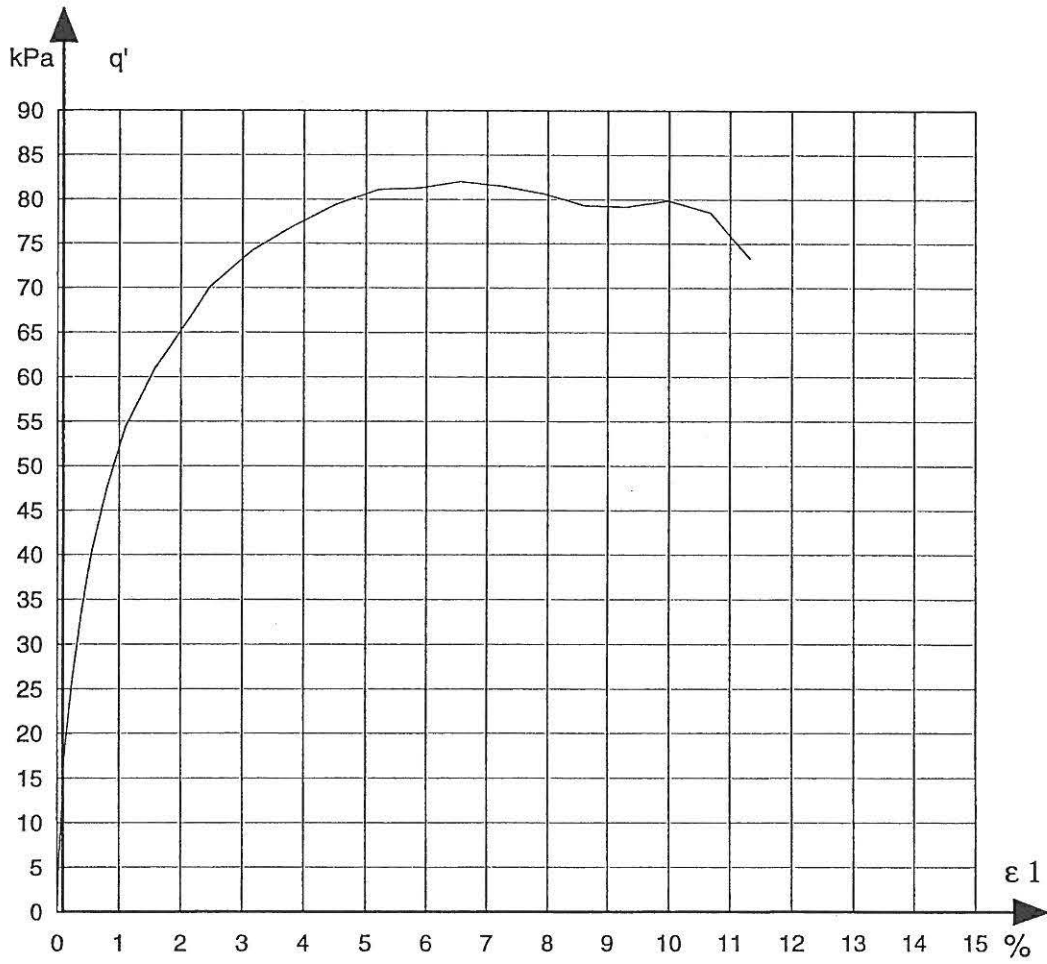
		Values at failure	Values for $\Delta \epsilon_v = 0$
Deviator stress	q'	82.0 kPa	40.5 kPa
Mean normal stress	p'	47.3 kPa	33.5 kPa
Confining pressures	σ_3	20.0 kPa	20.0 kPa
Vertical strain	ϵ_1	6.56 %	0.55 %
Volumetric strain	ϵ_v	-3.75 %	0.16 %



q'	p'	ϵ_1	ϵ_v
0.00	20.00	0.00	0.00
4.72	21.57	0.02	0.09
11.90	23.97	0.06	0.09
19.08	26.36	0.13	0.09
26.25	28.75	0.23	0.14
33.39	31.13	0.37	0.16
40.48	33.49	0.55	0.16
47.51	35.84	0.80	0.14
54.42	38.14	1.10	0.02
61.05	40.35	1.59	-0.27
67.44	42.48	2.22	-0.60
74.20	44.73	3.15	-1.26
76.91	45.64	3.81	-1.73
79.42	46.47	4.51	-2.27
81.09	47.03	5.20	-2.80
81.28	47.09	5.88	-3.23
82.00	47.33	6.56	-3.75
81.50	47.17	7.24	-4.33
80.66	46.89	7.92	-4.78
79.31	46.44	8.61	-5.12
79.16	46.39	9.30	-5.61
79.85	46.62	9.99	-6.08
78.54	46.18	10.66	-6.48
73.25	44.42	11.32	-6.80

Job: Blokhus sand	Encl. No 29
Exc: HSP	Check: LBI

Remark:

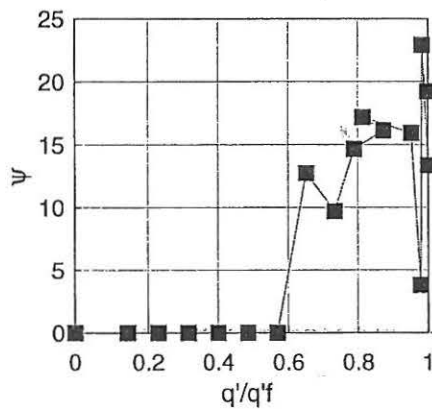
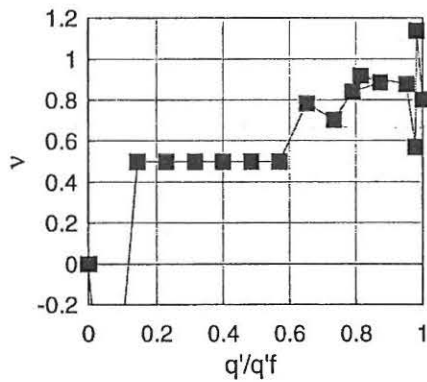


Job:	Encl. No
Blokhus sand	30
Exc:	Check:
HPS	LBI

Description of soil Blokhus sand		Water content %	Before test	At failure
		Grain density	0	
Calibration file	Date	Void ratio	2.65	
Loadtransducer 50-2	07.09.78	Saturation	0.533	0.594
		Dimension H mm	72	
		D mm	70	

TEST-PROGRAM	Drained compression.		
CD - Triaxial test. free ends	1. Isotropic compression.	σ_3	6.5-20 kPa
		ϵ_1	0.05 %
		ϵ_v	0.07 %
	2. Drained compression.		
	Deformation rate:		7.7 % ph

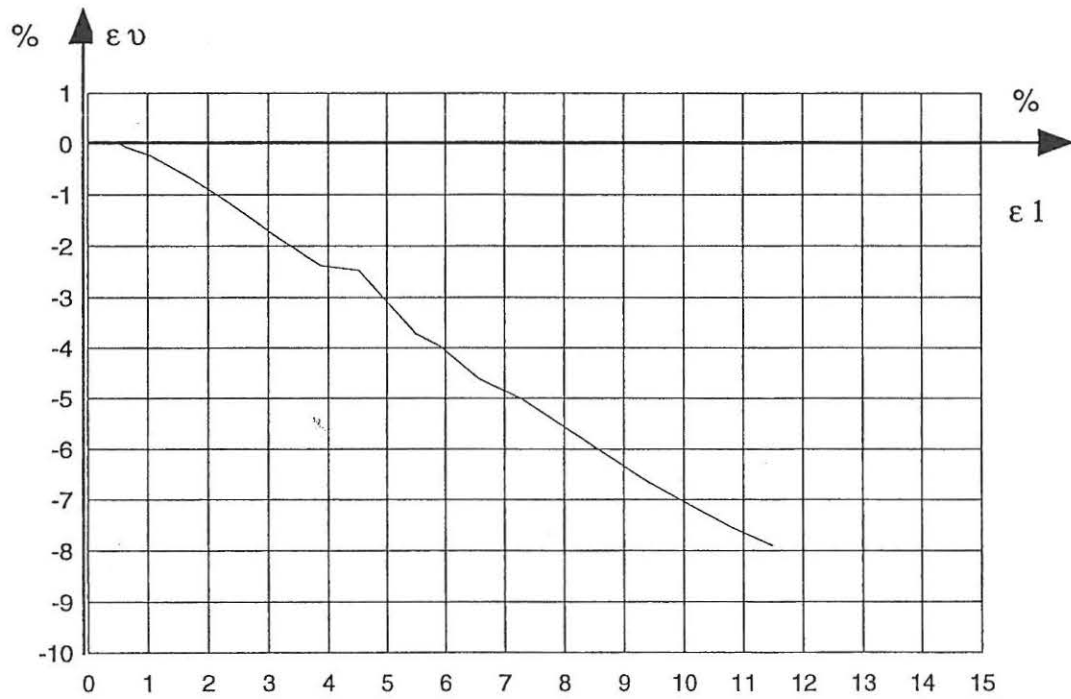
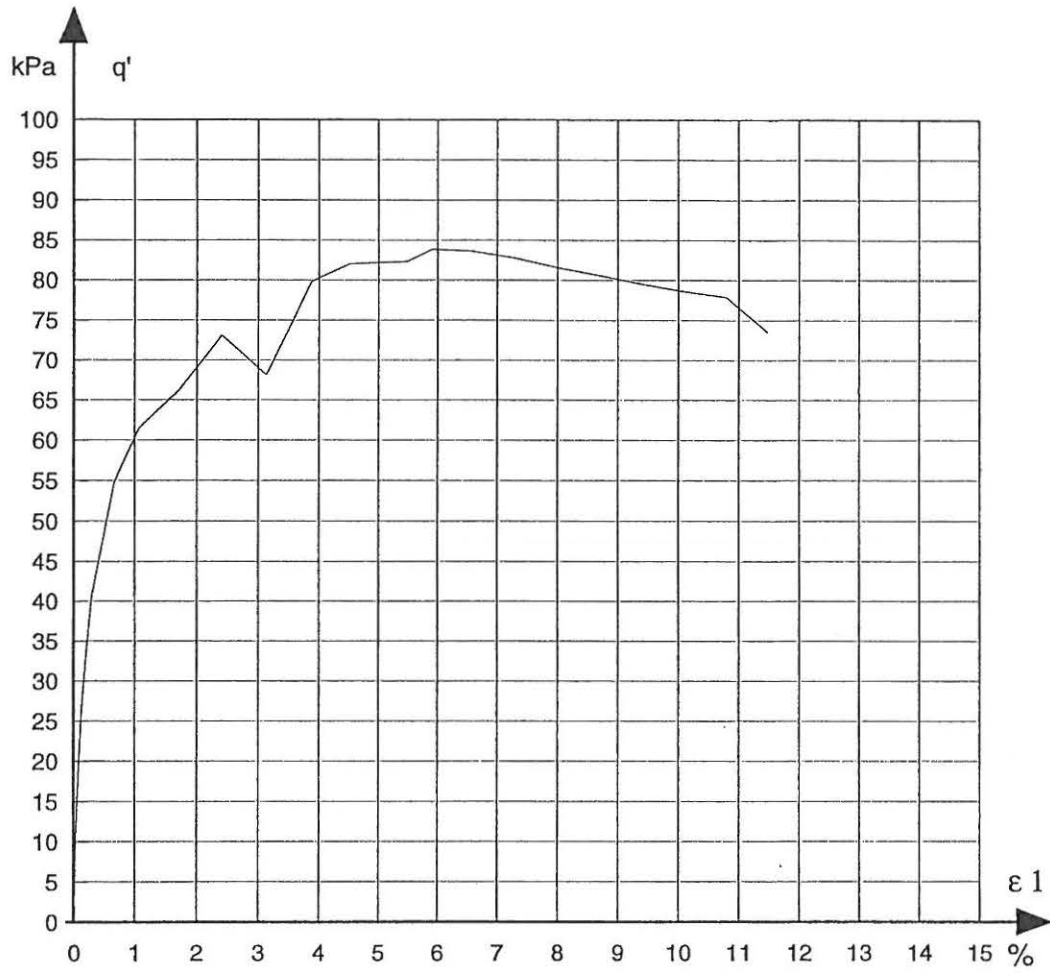
		Values at failure		Values for $\Delta\epsilon_v = 0$	
Deviator stress	q'	83.83	kPa	47.70	kPa
Mean normal stress	p'	47.94	kPa	35.90	kPa
Confining pressures	σ_3	20.00	kPa	20.00	kPa
Vertical strain	ϵ_1	5.91	%	0.47	%
Volumetric strain	ϵ_v	-3.97	%	0.04	%



q'	p'	ϵ_1	ϵ_v
0.00	20.00	0.00	0.00
12.00	24.00	0.03	0.04
19.18	26.39	0.07	0.04
26.35	28.78	0.12	0.04
33.51	31.17	0.19	0.04
40.64	33.55	0.29	0.04
47.72	35.91	0.47	0.04
54.71	38.24	0.66	-0.07
61.50	40.50	1.06	-0.23
66.17	42.06	1.70	-0.67
73.10	44.37	2.41	-1.21
68.16	42.72	3.14	-1.82
79.81	46.60	3.88	-2.38
82.03	47.34	4.51	-2.47
82.31	47.44	5.49	-3.72
83.83	47.94	5.91	-3.97
83.62	47.87	6.57	-4.62
82.78	47.59	7.30	-5.02
81.61	47.20	7.99	-5.56
80.57	46.86	8.70	-6.10
79.55	46.52	9.40	-6.64
78.58	46.19	10.11	-7.11
77.90	45.97	10.80	-7.54
73.51	44.50	11.48	-7.90

Job:	Encl. No
Blokhus sand	31
Exc:	Check:
HSP	FRJ

Remark:
The confining pressure was not constant during the test.

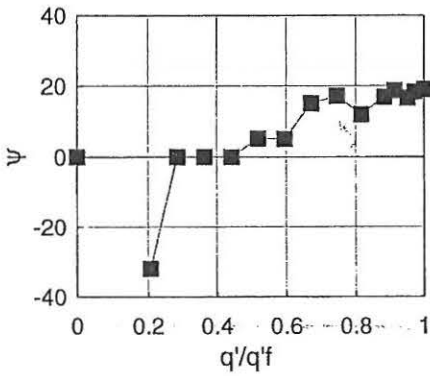
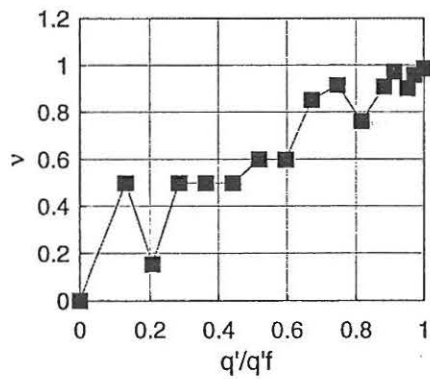


Job:	Blokhuis sand	Encl. No	32
Exc:	HPS	Check:	FRJ

Description of soil Blokhus sand		Water content %	Before test	At failure
		Grain density	0	
Calibration file	Date	Void ratio	2.65	
Loadtransducer	12.09.78	Saturation	0.569	0.626
		Dimension H mm	0	
		D mm	72	
			70	

TEST-PROGRAM	Drained compression.		
CD - Triaxial test. free ends	1. Isotropic compression.	σ_3	8-20 kPa
		ϵ_1	0.01 %
		ϵ_v	0.04 %
	2. Drained compression.		
	Deformation rate:		7.3 % ph

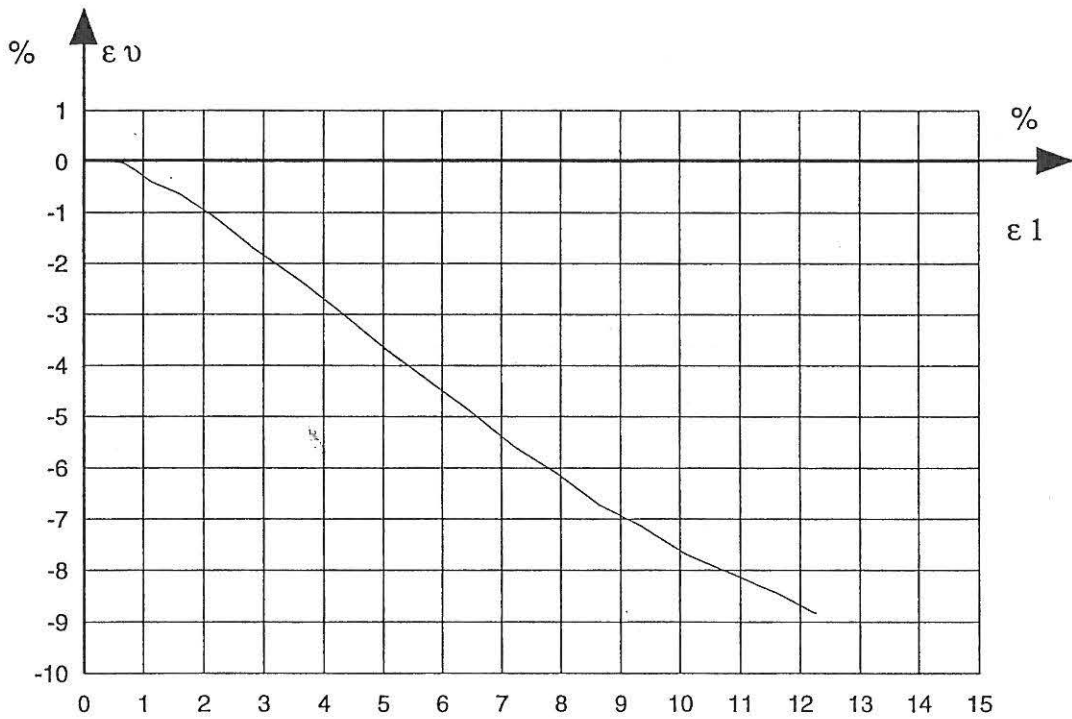
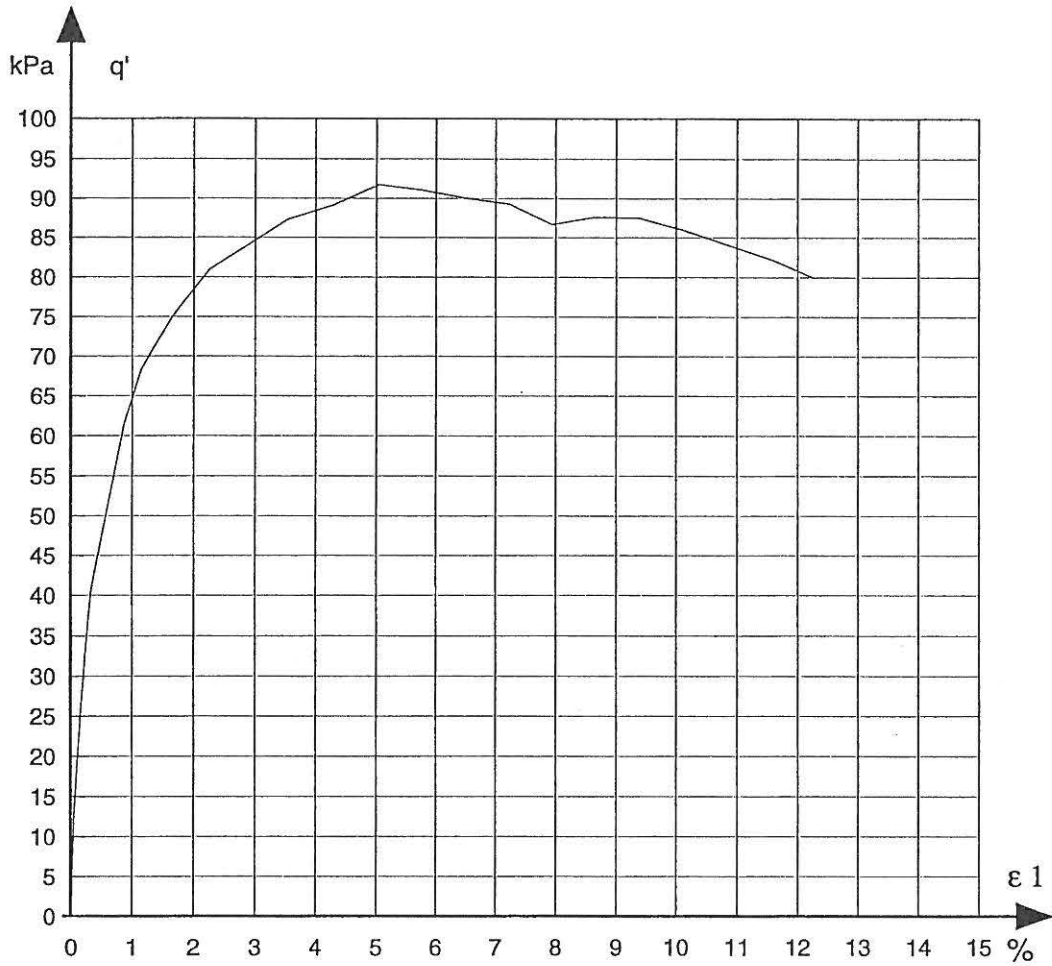
		Values at failure		Values for $\Delta \epsilon_v = 0$	
Deviator stress	q'	91.8	kPa	40.6	kPa
Mean normal stress	p'	50.6	kPa	33.5	kPa
Confining pressures	σ_3	20.0	kPa	20.0	kPa
Vertical strain	ϵ_1	5.04	%	0.32	%
Volumetric strain	ϵ_v	-3.68	%	0.04	%



q'	p'	ϵ_1	ϵ_v
0.00	20.00	0.00	0.00
11.92	23.97	0.04	0.00
19.10	26.37	0.09	0.04
26.27	28.76	0.15	0.04
33.42	31.14	0.23	0.04
40.56	33.52	0.32	0.04
47.62	35.87	0.50	0.00
54.65	38.22	0.69	-0.04
61.59	40.53	0.87	-0.16
68.35	42.78	1.15	-0.40
74.86	44.95	1.63	-0.65
80.97	46.99	2.25	-1.15
83.77	47.92	2.83	-1.70
87.29	49.10	3.54	-2.27
89.11	49.70	4.29	-2.96
91.75	50.58	5.04	-3.68
91.03	50.34	5.77	-4.29
90.06	50.02	6.49	-4.91
89.27	49.76	7.23	-5.59
87.62	49.21	8.63	-6.71
87.54	49.18	9.36	-7.15
86.03	48.68	10.09	-7.69
82.12	47.37	11.61	-8.44
79.93	46.64	12.27	-8.84

Job:	Encl. No
Blokhus sand	33
Exc:	Check:
HSP	LBI

Remark:

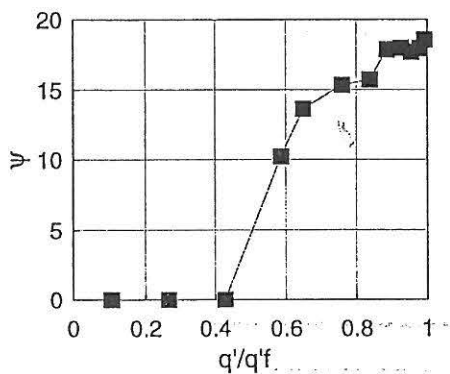
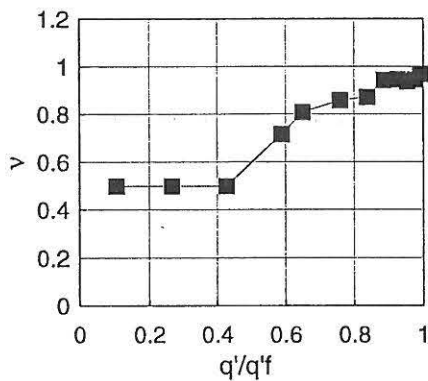


Job:	Encl. No
Blokhus sand	34
Exc:	Check:
HPS	LBI

Description of soil Blokhus sand		Water content %	Before test	At failure
		Grain density	0	
Calibration file	Date	Void ratio	2.65	
Loadtransducer 50-2	26.09.78	Saturation	0.531	0.626
		Dimension H mm	0	
		D mm	72	
			70	

TEST-PROGRAM	Drained compression.		
CD - Triaxial test. free ends	1. Isotropic compression.	σ_3	8.00 kPa
		ϵ_1	0.00 %
		ϵ_v	0.00 %
	2. Drained compression.		
	Deformation rate:		8.0 % ph

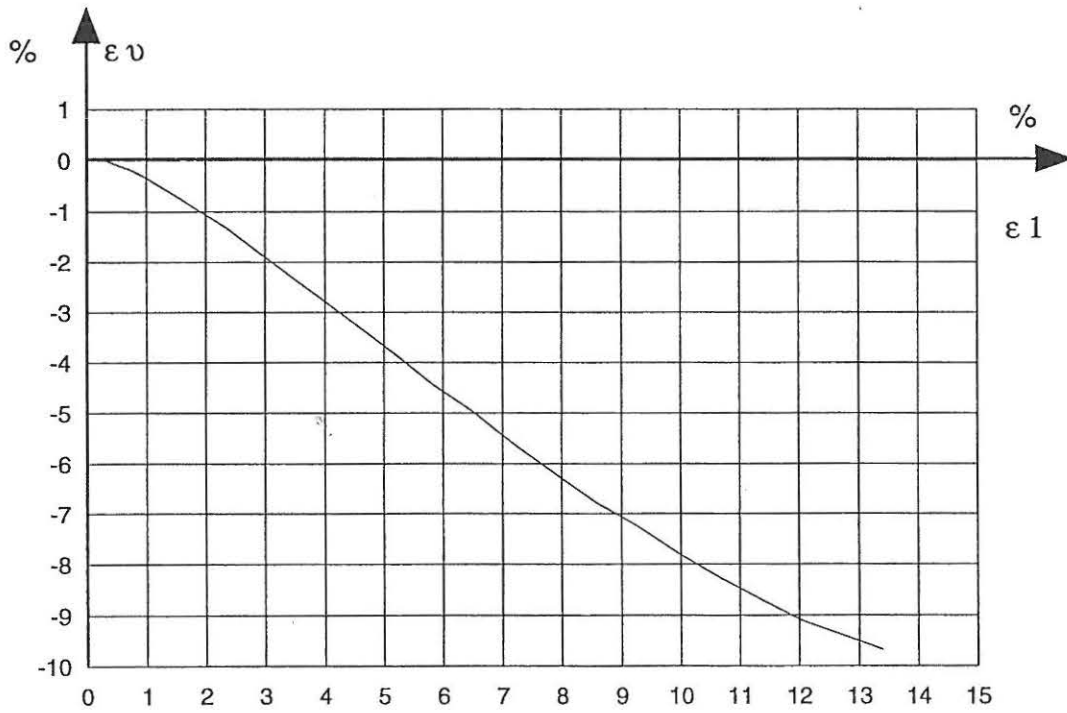
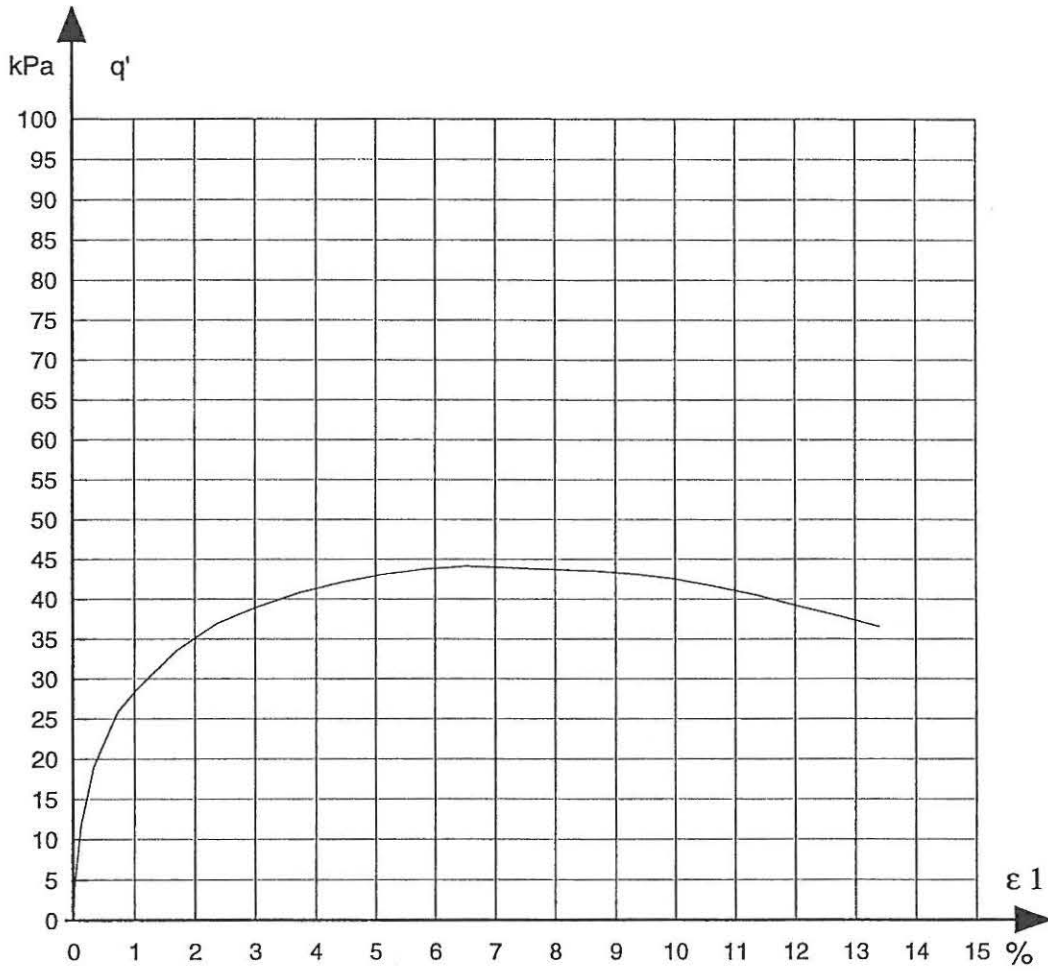
		Values at failure		Values for $\Delta\epsilon_v = 0$	
Deviator stress	q'	44.2	kPa	18.9	kPa
Mean normal stress	p'	22.7	kPa	14.3	kPa
Confining pressures	σ_3	8.0	kPa	8.0	kPa
Vertical strain	ϵ_1	6.51	%	0.32	%
Volumetric strain	ϵ_v	-4.98	%	0.00	%



q'	p'	ϵ_1	ϵ_v
0.00	8.00	0.00	0.00
4.60	9.53	0.02	0.00
11.77	11.92	0.12	0.00
18.91	14.30	0.32	0.00
25.92	16.64	0.74	-0.18
28.63	17.54	1.03	-0.36
33.51	19.17	1.68	-0.83
36.97	20.32	2.36	-1.34
39.09	21.03	3.05	-1.95
40.87	21.62	3.74	-2.56
42.13	22.04	4.44	-3.18
43.15	22.38	5.13	-3.79
43.80	22.60	5.83	-4.44
44.15	22.72	6.51	-4.98
43.94	22.65	7.21	-5.63
43.77	22.59	7.90	-6.21
43.55	22.52	8.59	-6.78
43.20	22.40	9.28	-7.25
42.61	22.20	9.97	-7.80
41.62	21.87	10.67	-8.26
40.55	21.52	11.37	-8.70
39.17	21.06	12.04	-9.09
37.91	20.64	12.71	-9.38
36.54	20.18	13.40	-9.67

Job:	Encl. No
Blokhus sand	35
Exc:	Check:
HSP	LBI

Remark:
No isotropic consolidation.

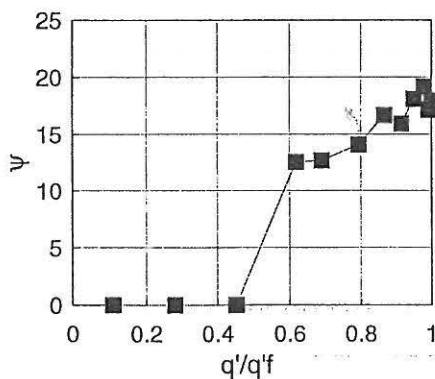
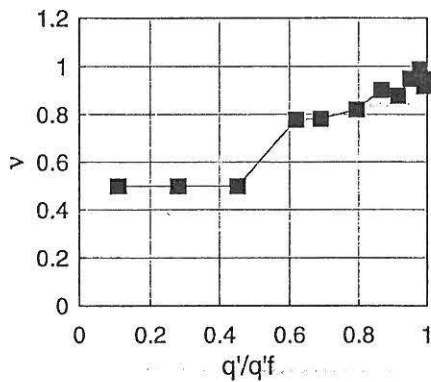


Job: Blokhus sand	Encl. No 36
Exc: HPS	Check: LBI

Description of soil Blokhus sand		Water content %	Before test	At failure
		Grain density	0	
Calibration file	Date	Void ratio	2.65	0.640
Loadtransducer	28.09.78	Saturation	0.562	
50-2		Dimension H mm	0	
		D mm	72	
			70	

TEST-PROGRAM.	Drained.compression.		
CD - Triaxial test. free ends	1. Isotropic compression.	σ_3	8.00 kPa
		ϵ_1	0.00 %
		ϵ_v	0.00 %
	2.Drained compression.		
	Deformation rate:		8.1 % ph

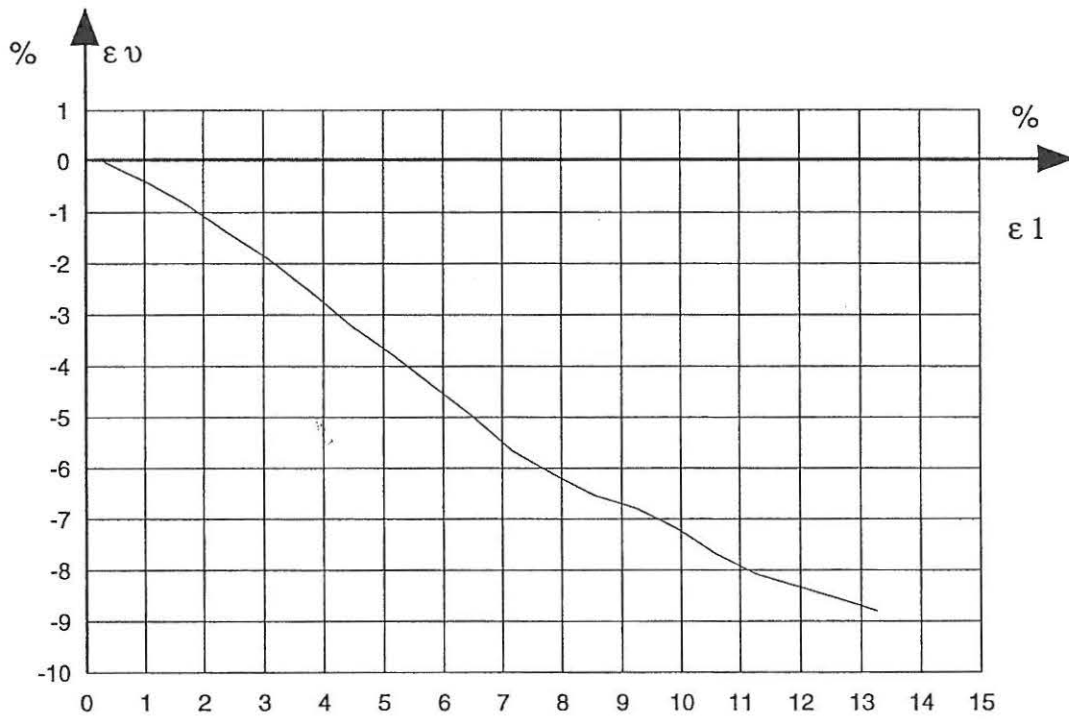
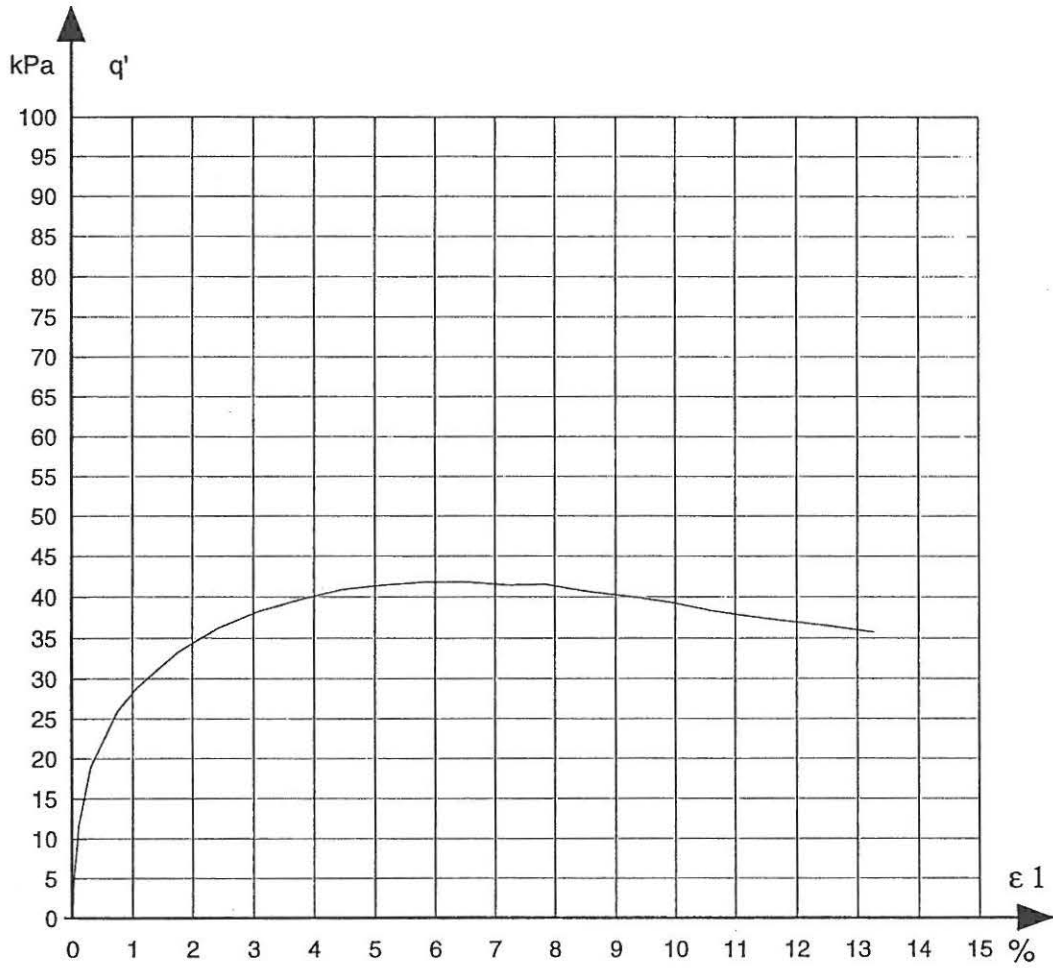
		Values at failure	Values for $\Delta\epsilon_v = 0$
Deviator stress	q'	41.9 kPa	18.9 kPa
Mean normal stress	p'	22.0 kPa	14.3 kPa
Confining pressures	σ_3	8.0 kPa	8.0 kPa
Vertical strain	ϵ_1	6.51 %	0.29 %
Volumetric strain	ϵ_v	-4.98 %	0.00 %



q'	p'	ϵ_1	ϵ_v
0.00	8.00	0.00	0.00
4.60	9.53	0.02	0.00
11.77	11.92	0.10	0.00
18.92	14.31	0.29	0.00
25.90	16.63	0.75	-0.25
28.88	17.63	1.07	-0.43
33.25	19.08	1.74	-0.87
36.24	20.08	2.42	-1.41
38.27	20.76	3.08	-1.91
39.77	21.26	3.80	-2.56
40.96	21.65	4.47	-3.21
41.49	21.83	5.16	-3.79
41.86	21.95	5.85	-4.40
41.86	21.95	6.50	-4.98
41.47	21.82	7.18	-5.67
41.57	21.86	7.85	-6.10
40.72	21.57	8.54	-6.53
40.08	21.36	9.24	-6.78
39.37	21.12	9.93	-7.18
38.36	20.79	10.60	-7.69
37.64	20.55	11.27	-8.08
36.44	20.15	12.62	-8.55
35.74	19.91	13.27	-8.81

Job:	Encl. No
Blokhus sand	37
Exc:	Check:
HSP	LBI

Remark:
No isotropic consolidation.

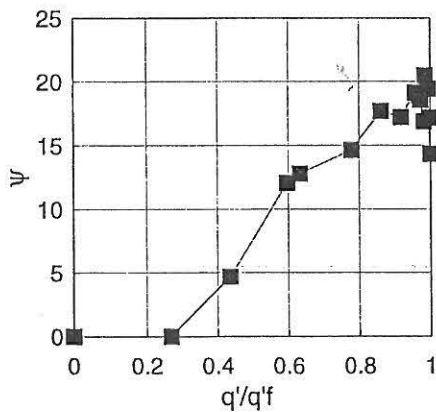
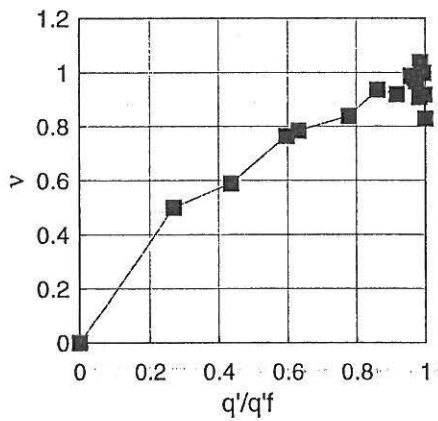


Job:	Encl. No
Blokhus sand	38
Exc:	Check:
HPS	LBI

Description of soil Blokhus sand		Water content %	Before test	At failure
		Grain density	0	
Calibration file	Date	Void ratio	2.65	
Loadtransducer 50-2	31.09.78	Saturation	0.551	0.622
		Dimension H mm	0	
		D mm	72	
			70	

TEST-PROGRAM	Drained compression.		
CD - Triaxial test. free ends	1. Isotropic compression.	σ_3	8.00 kPa
		ϵ_1	0.00 %
		ϵ_v	0.00 %
	2. Drained compression.		
	Deformation rate:		8.2 % ph

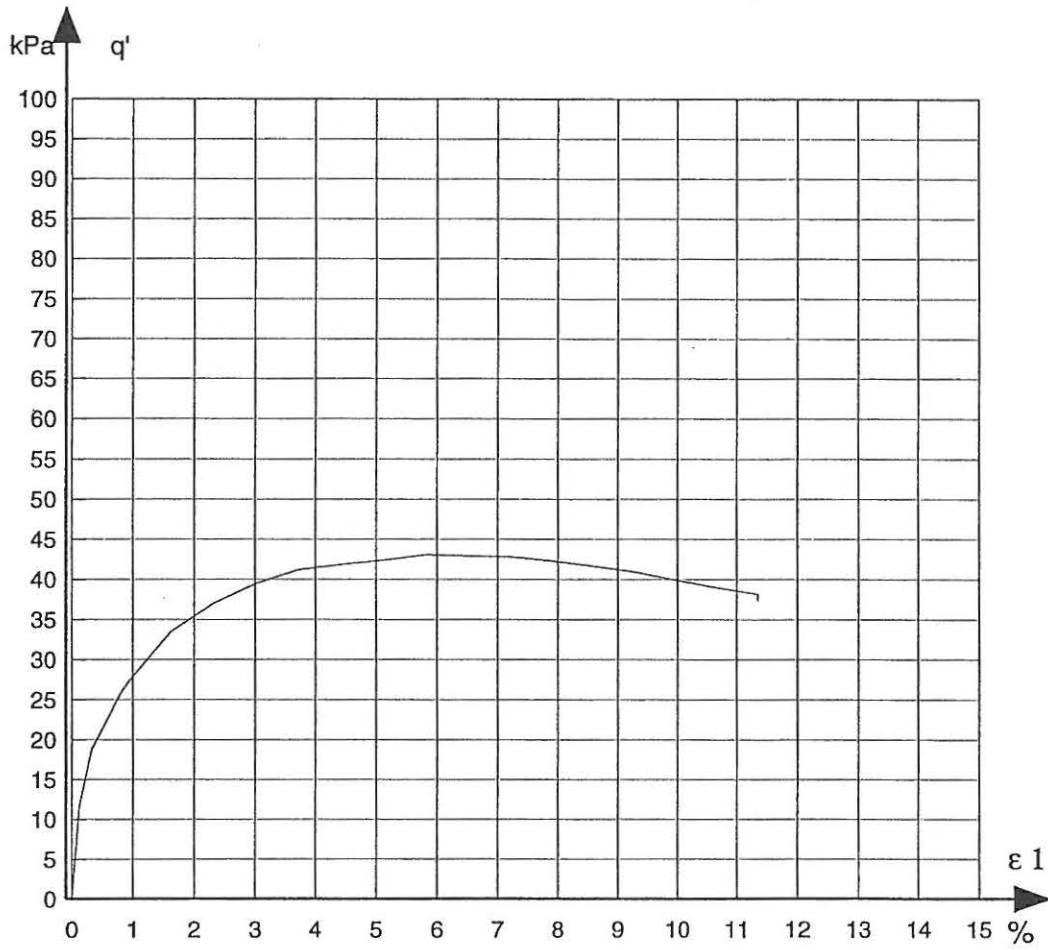
		Values at failure	Values for $\Delta\epsilon_v = 0$
Deviator stress	q'	43.10 kPa	11.63 kPa
Mean normal stress	p'	22.37 kPa	11.88 kPa
Confining pressures	σ_3	8.00 kPa	8.00 kPa
Vertical strain	ϵ_1	5.82 %	0.12 %
Volumetric strain	ϵ_v	-4.58 %	0.00 %



q'	p'	ϵ_1	ϵ_v
0.00	8.00	0.00	0.00
11.63	11.88	0.12	0.00
18.76	14.25	0.32	-0.04
25.73	16.58	0.80	-0.29
27.24	17.08	0.93	-0.36
33.51	19.17	1.62	-0.83
37.09	20.36	2.32	-1.44
39.49	21.16	3.01	-2.02
41.23	21.74	3.71	-2.71
41.87	21.96	4.40	-3.36
42.44	22.15	5.11	-4.11
43.10	22.37	5.82	-4.58
42.93	22.31	6.51	-5.16
42.84	22.28	7.20	-5.85
42.31	22.10	7.95	-6.46
41.72	21.91	8.59	-7.07
40.97	21.66	9.27	-7.25
39.95	21.32	9.96	-8.19
38.99	21.00	10.66	-8.66
38.19	20.73	11.35	-9.09
37.35	20.45	11.35	-9.49

Job:	Encl. No
Blokhus sand	39
Exc:	Check:
HSP	FRJ

Remark:
No isotropic consolidation.

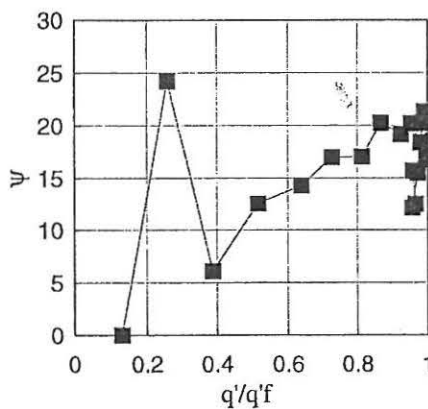
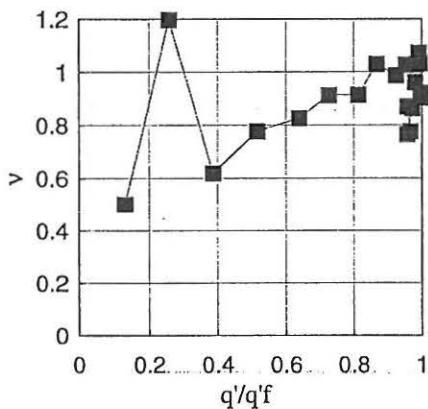


Job:	Encl. No
Blokhuis sand	40
Exc:	Check:
HPS	FRJ

Description of soil Blokhus sand		Water content %	Before test	At failure
		Grain density	0	
Calibration file	Date	Void ratio	2.65	0.635
Loadtransducer 18-2	5.10.78	Saturation	0.546	
		Dimension H mm	0	
		D mm	72	
			70	

TEST-PROGRAM	Drained compression.		
CD - Triaxial test. free ends	1. Isotropic compression.	σ_3	5.00 kPa
		ϵ_1	0.00 %
		ϵ_v	0.00 %
	2. Drained compression.		
	Deformation rate:		7.0 % ph

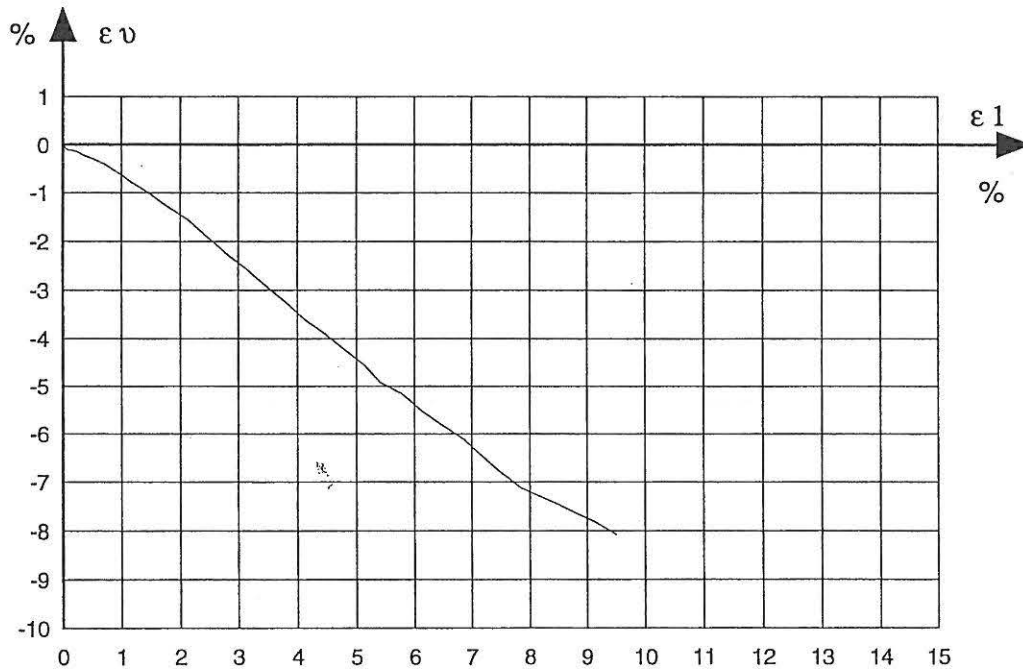
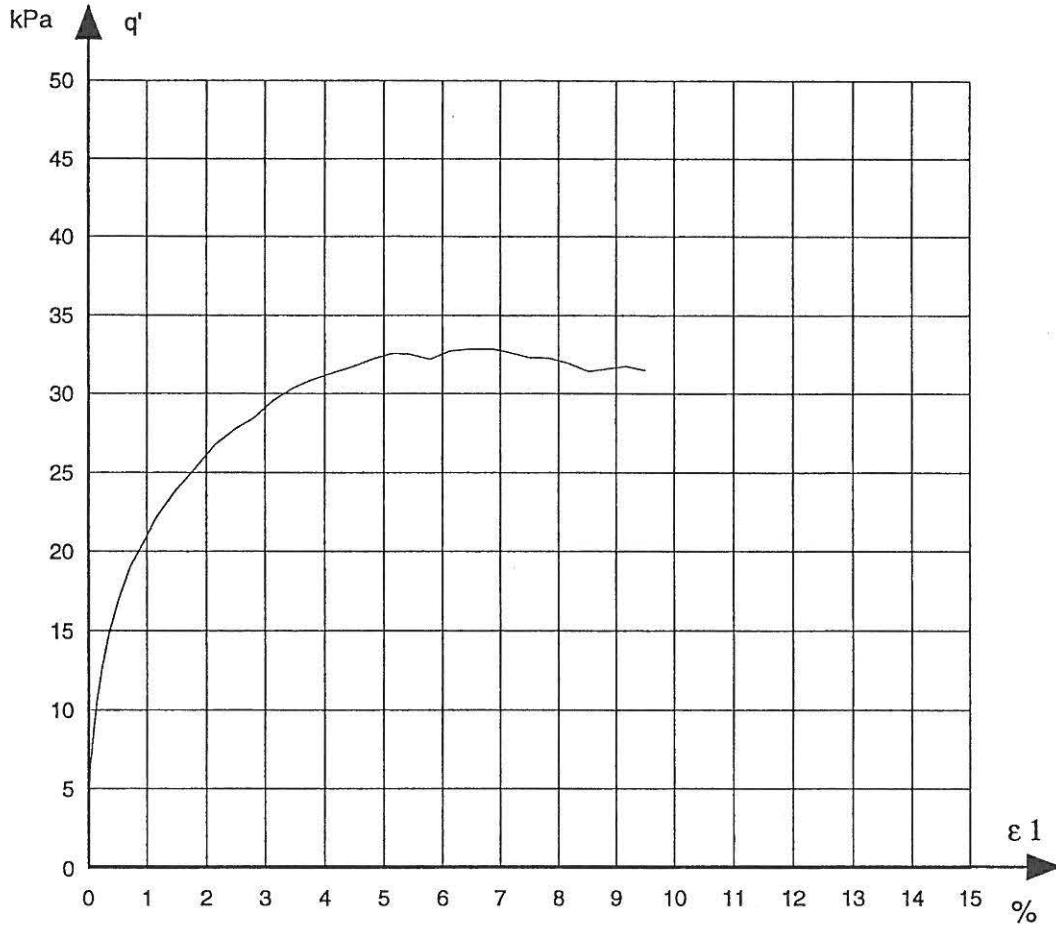
		Values at failure		Values for $\Delta\epsilon_v = 0$	
Deviator stress	q'	32.87	kPa	4.26	kPa
Mean normal stress	p'	15.96	kPa	6.42	kPa
Confining pressures	σ_3	5.00	kPa	5.00	kPa
Vertical strain	ϵ_1	6.47	%	0.01	%
Volumetric strain	ϵ_v	-5.81	%	0.00	%



q'	p'	ϵ_1	ϵ_v
0.00	5.00	0.00	0.00
4.26	6.42	0.01	0.00
8.51	7.84	0.09	-0.11
12.74	9.25	0.24	-0.14
16.92	10.64	0.50	-0.29
20.98	11.99	1.00	-0.61
23.87	12.96	1.48	-1.01
26.71	13.90	2.13	-1.55
28.48	14.49	2.81	-2.27
30.35	15.12	3.48	-2.92
31.33	15.44	4.13	-3.61
32.21	15.74	4.80	-4.22
32.57	15.86	5.40	-4.91
32.74	15.91	6.13	-5.52
32.87	15.96	6.47	-5.81
32.85	15.95	6.87	-6.14
32.67	15.89	7.14	-6.42
32.32	15.77	7.49	-6.78
31.93	15.64	8.18	-7.29
31.43	15.48	8.52	-7.47
31.75	15.58	9.17	-7.83
31.49	15.50	9.51	-8.08

Job: Blokhus sand	Encl. No 41
Exc: HSP	Check: FRJ

Remark: No isotropic consolidation.
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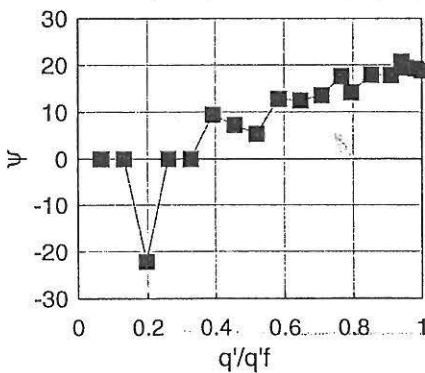
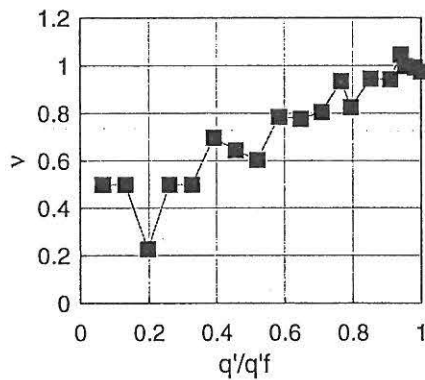


Job: Blokhus sand	Encl. No 42
Exc: HSP	Check: FRJ

Description of soil Blokhus sand		Water content %	Before test	At failure
		Grain density	2.65	
Calibration file	Date	Void ratio	0.542	0.620
Loadtransducer 18-2	17.10.78	Saturation	0	
		Dimension H mm	72	
		D mm	70	

TEST-PROGRAM	Drained compression.		
CD - Triaxial test. free ends	1. Isotropic compression.	σ_3	5.00 kPa
		ϵ_1	0.00 %
		ϵ_v	0.00 %
	2. Drained compression.		
	Deformation rate:		7.3 % ph

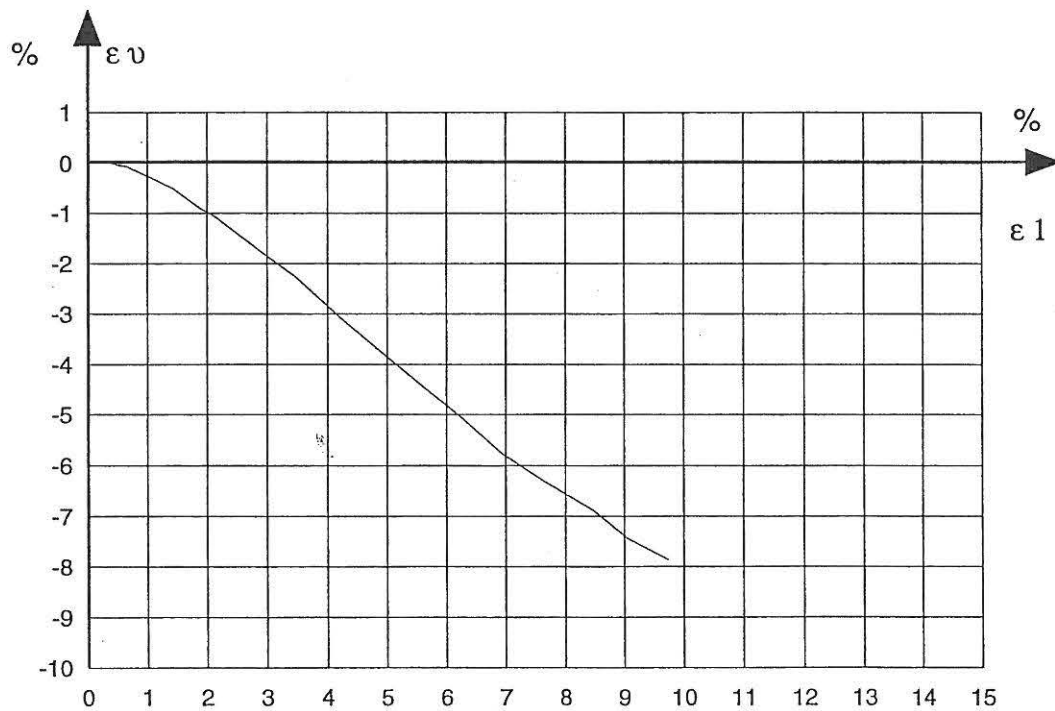
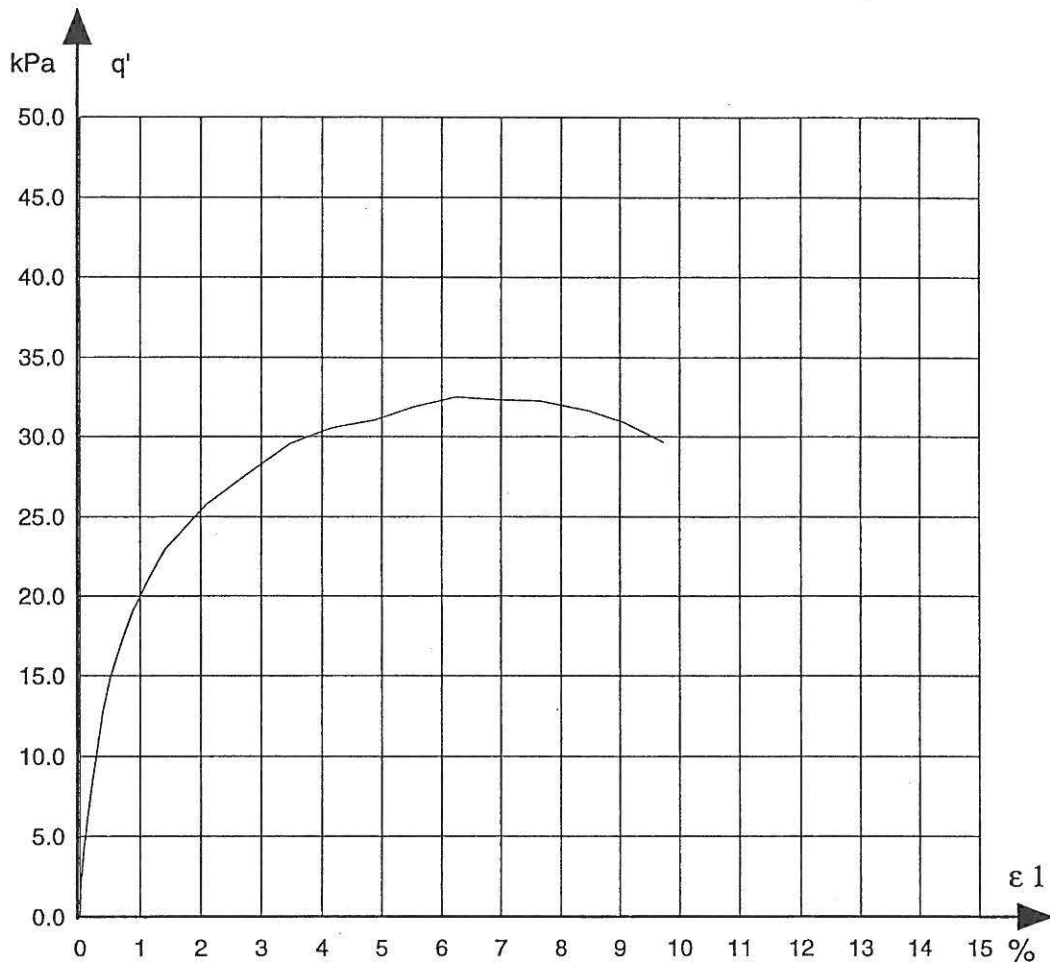
		Values at failure		Values for $\Delta\epsilon_v = 0$	
Deviator stress	q'	32.5	kPa	10.6	kPa
Mean normal stress	p'	15.8	kPa	8.5	kPa
Confining pressures	σ_3	5.0	kPa	5.0	kPa
Vertical strain	ϵ_1	6.24	%	0.29	%
Volumetric strain	ϵ_v	-5.05	%	0.04	%



q'	p'	ϵ_1	ϵ_v
0.00	5.00	0.00	0.00
2.13	5.71	0.02	0.00
4.26	6.42	0.06	0.00
6.39	7.13	0.13	0.04
8.51	7.84	0.21	0.04
10.63	8.54	0.29	0.04
12.74	9.25	0.38	0.00
14.84	9.95	0.50	-0.04
16.92	10.64	0.68	-0.07
18.98	11.33	0.87	-0.18
21.01	12.00	1.13	-0.32
24.88	13.29	1.88	-0.90
25.82	13.61	2.10	-1.05
27.72	14.24	2.79	-1.66
29.57	14.86	3.48	-2.27
30.57	15.19	4.18	-3.03
31.01	15.34	4.86	-3.72
31.90	15.63	5.56	-4.40
32.50	15.83	6.24	-5.05
32.33	15.78	6.95	-5.77
32.26	15.75	7.65	-6.32
31.61	15.54	8.49	-6.89
30.93	15.31	9.05	-7.43
29.65	14.88	9.74	-7.87

Job: Blokhus sand	Encl. No 43
Exc: HSP	Check: LBI

Remark: No isotropic consolidation.
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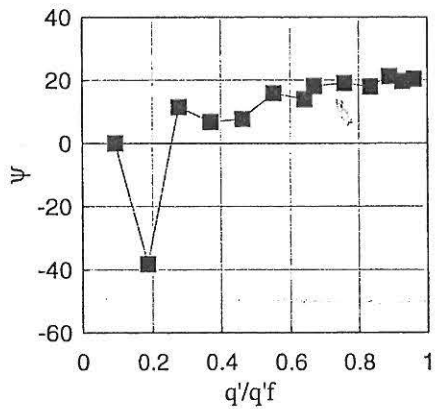
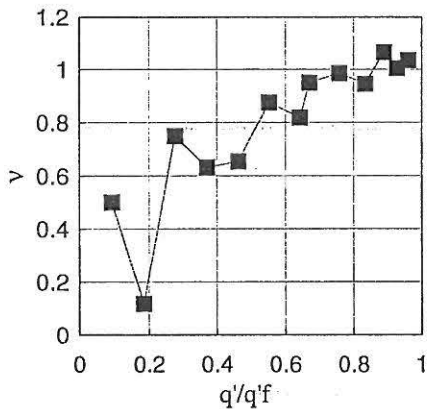


Job:	Encl. No
Blokhuis sand	44
Exc:	Check:
HPS	LBI

Description of soil Blokhus sand		Water content %	Before test	At failure
		Grain density	0	
Calibration file	Date	Void ratio	2.65	
Loadtransducer	24.10.78	Saturation	0.551	0.648
18-2		Dimension H mm	0	
		D mm	72	
			70	

TEST-PROGRAM	Drained compression.		
CD - Triaxial test. free ends	1. Isotropic compression.	σ_3	2.50 kPa
		ϵ_1	0.00 %
		ϵ_v	0.00 %
	2. Drained compression.		
	Deformation rate:		7.7 % ph

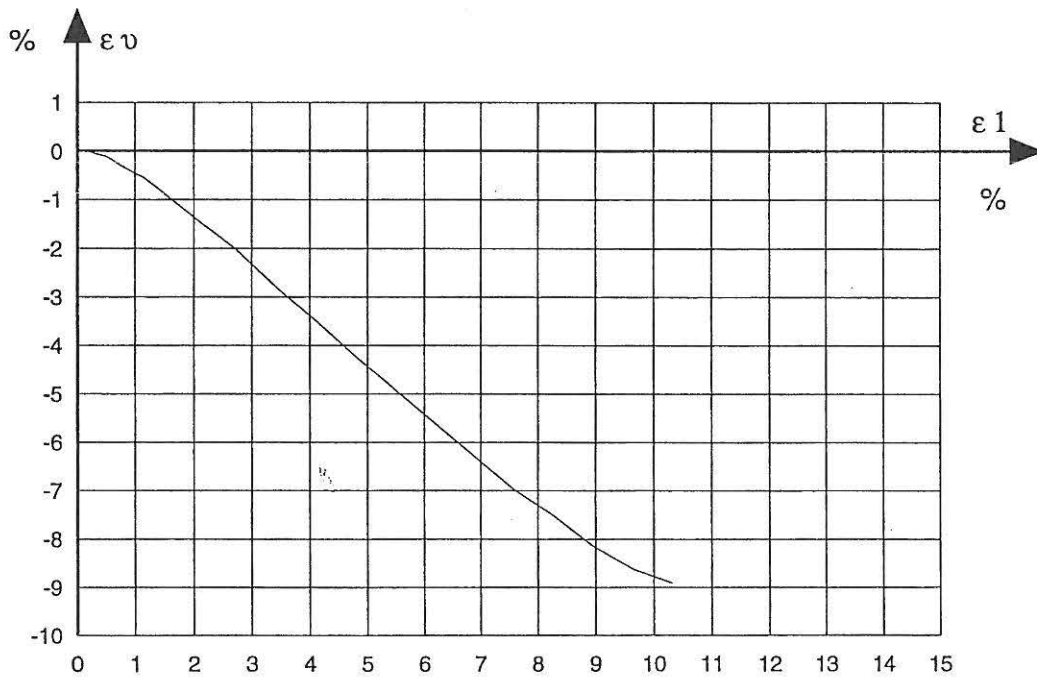
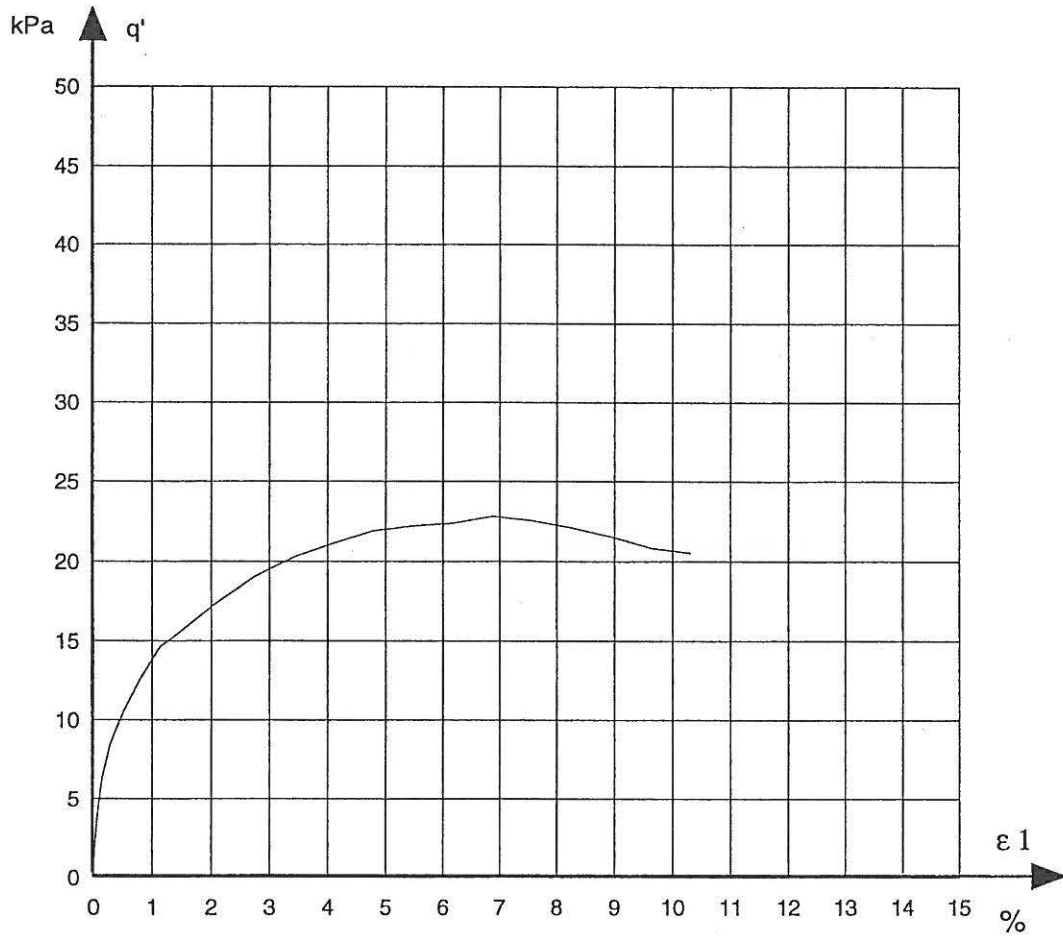
		Values at failure		Values for $\Delta\epsilon_v = 0$	
Deviator stress	q'	22.83	kPa	4.22	kPa
Mean normal stress	p'	10.11	kPa	3.91	kPa
Confining pressures	σ_3	2.50	kPa	2.50	kPa
Vertical strain	ϵ_1	6.87	%	0.07	%
Volumetric strain	ϵ_v	-6.28	%	0.04	%



q'	p'	ϵ_1	ϵ_v
0.00	2.50	0.00	0.00
2.09	3.20	0.02	0.00
4.22	3.91	0.07	0.04
6.34	4.61	0.14	0.00
8.46	5.32	0.28	-0.04
10.55	6.02	0.51	-0.11
12.61	6.70	0.80	-0.32
14.63	7.38	1.14	-0.54
15.28	7.59	1.38	-0.76
17.30	8.27	2.05	-1.41
19.03	8.84	2.73	-2.02
20.30	9.27	3.44	-2.81
21.17	9.56	4.12	-3.50
21.93	9.81	4.79	-4.22
22.24	9.91	5.48	-4.91
22.39	9.96	6.17	-5.59
22.83	10.11	6.87	-6.28
22.55	10.02	7.57	-6.97
22.12	9.87	8.26	-7.51
21.53	9.68	8.97	-8.16
20.86	9.45	9.64	-8.63
20.54	9.35	10.32	-8.91

Job:	Encl. No
Blokhus sand	45
Exc:	Check:
HSP	FRJ

Remark:
No isotropic consolidation

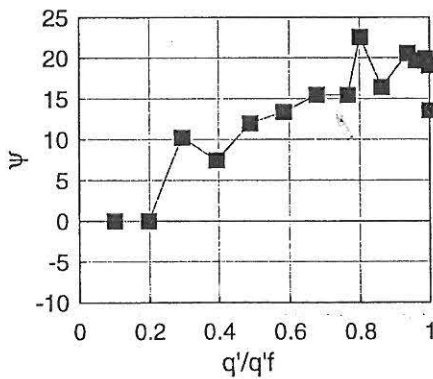
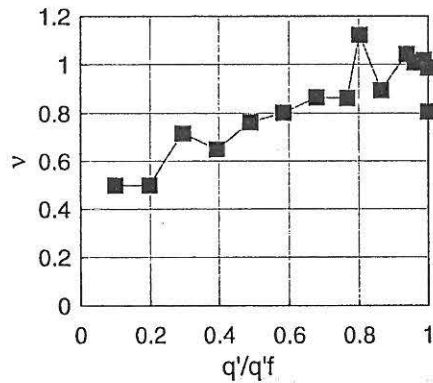


Job:	Encl. No
Blokhuis sand	46
Exc:	Check:
HSP	FRJ

Description of soil Blokhus sand		Water content % Grain density	Before test 0 2.65	At failure
Calibration file	Date	Void ratio	0.539	0.632
Loadtransducer 18-2	01.11.78	Saturation	0	
		Dimension H mm D mm	72 70	

TEST-PROGRAM	Drained compression.		
CD - Triaxial test. free ends	1. Isotropic compression.	σ_3	2.50 kPa
		ϵ_1	0.00 %
		ϵ_v	0.00 %
	2. Drained compression.		
	Deformation rate:		7.8 % ph

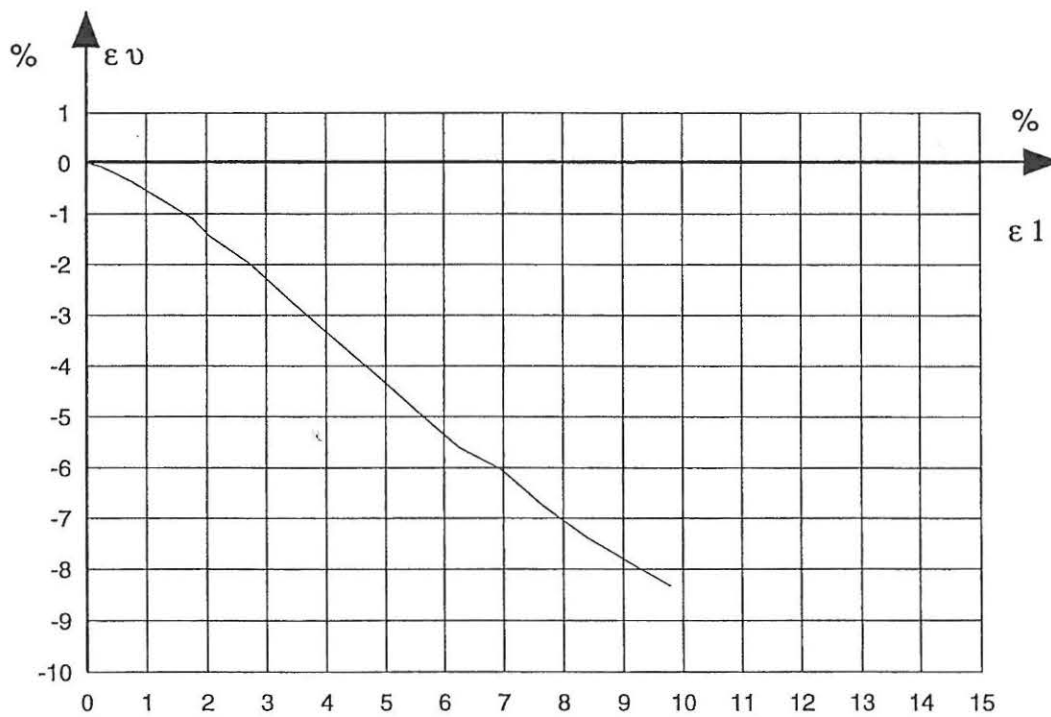
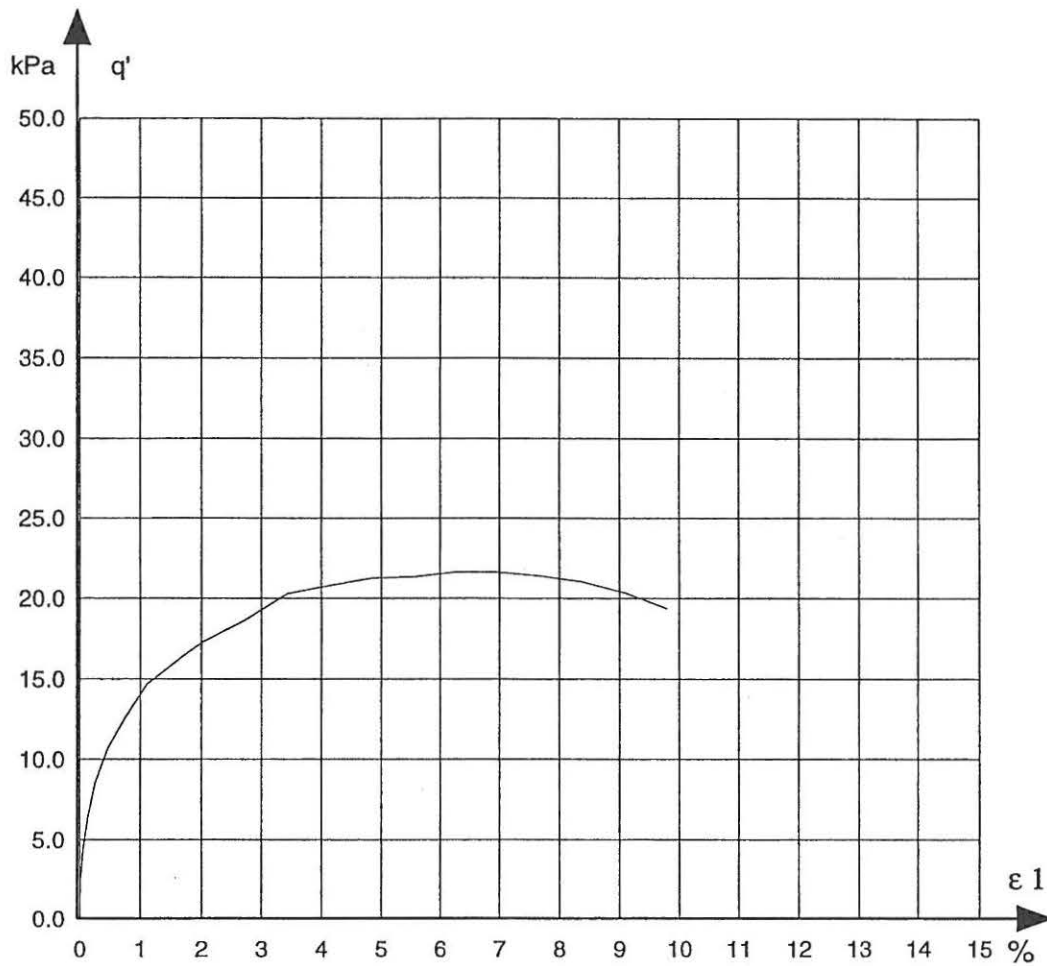
		Values at failure	Values for $\Delta\epsilon_v = 0$
Deviator stress	q'	21.6 kPa	4.3 kPa
Mean normal stress	p'	9.7 kPa	3.9 kPa
Confining pressures	σ_3	2.5 kPa	2.5 kPa
Vertical strain	ϵ_1	6.96 %	0.05 %
Volumetric strain	ϵ_v	-6.03 %	0.00 %



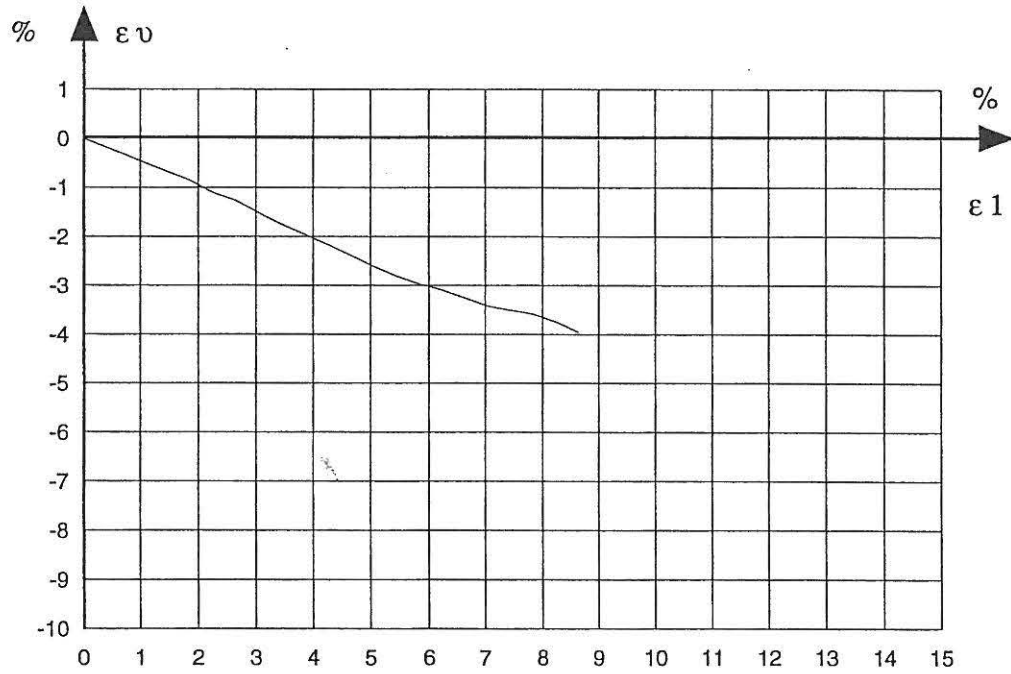
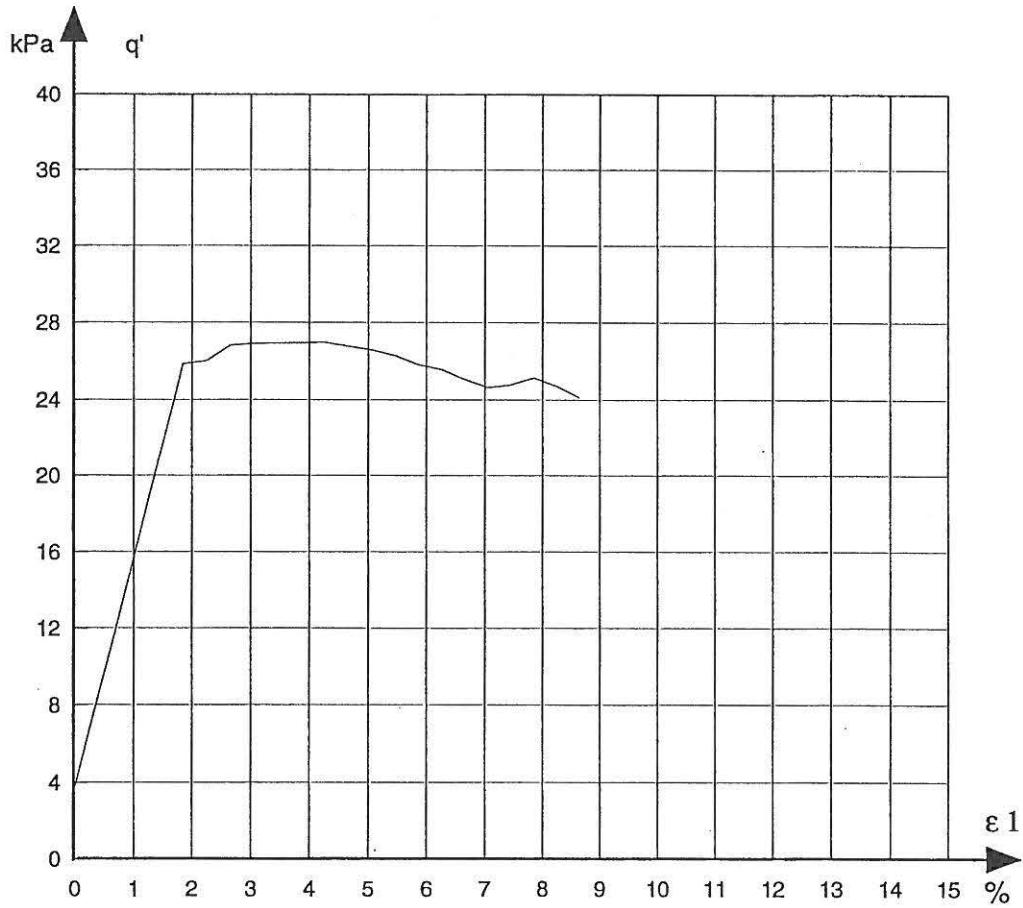
q'	p'	ϵ_1	ϵ_v
0.00	2.50	0.00	0.00
2.13	3.21	0.01	0.00
4.26	3.92	0.05	0.00
6.39	4.63	0.13	-0.04
8.50	5.33	0.25	-0.07
10.59	6.03	0.46	-0.18
12.65	6.72	0.76	-0.36
14.67	7.39	1.11	-0.61
16.58	8.03	1.75	-1.08
17.33	8.28	2.04	-1.44
18.67	8.72	2.73	-1.98
20.28	9.26	3.43	-2.74
20.78	9.43	4.14	-3.46
21.26	9.59	4.85	-4.19
21.35	9.62	5.55	-4.91
21.62	9.71	6.25	-5.59
21.63	9.71	6.96	-6.03
21.39	9.63	7.66	-6.75
21.03	9.51	8.38	-7.36
20.34	9.28	9.10	-7.87
19.38	8.96	9.80	-8.34

Job: Blokhus sand	Encl. No 47
Exc: HSP	Check: LBI

Remark: No isotropic consolidation.
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Job: Blokhus sand	Encl. No 48
Exc: HPS	Check: LBI

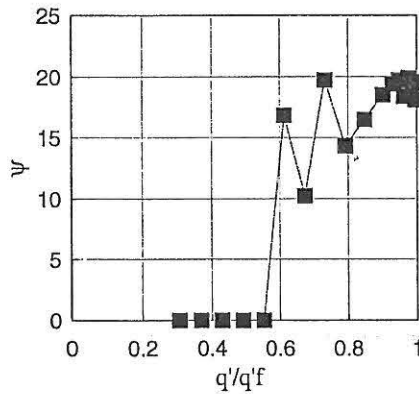
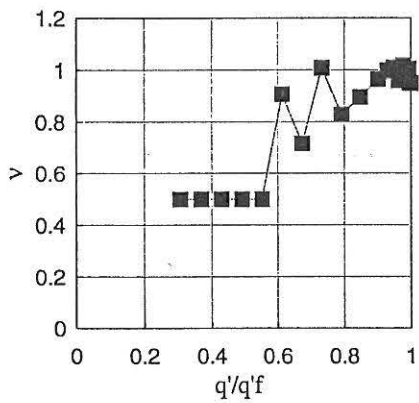


Job:	Blokhuis sand	Encl. No	50
Exc:	CSS	Check:	LB

Description of soil Blokhus sand		Water content %	Before test	At failure
		Grain density	0	
Calibration file	Date	Void ratio	2.65	0.596
Loadtransducer		Saturation	0	
2004	13.02.79	Dimension H mm	0.522	
		D mm	250	
			250	

TEST-PROGRAM	Drained compression.		
CD - Triaxial test. free ends	1. Isotropic-compression.	σ_3	6.2 kPa
		ϵ_1	0 %
		ϵ_v	0 %
	2. Drained compression.		
	Deformation rate:		5.7 % ph

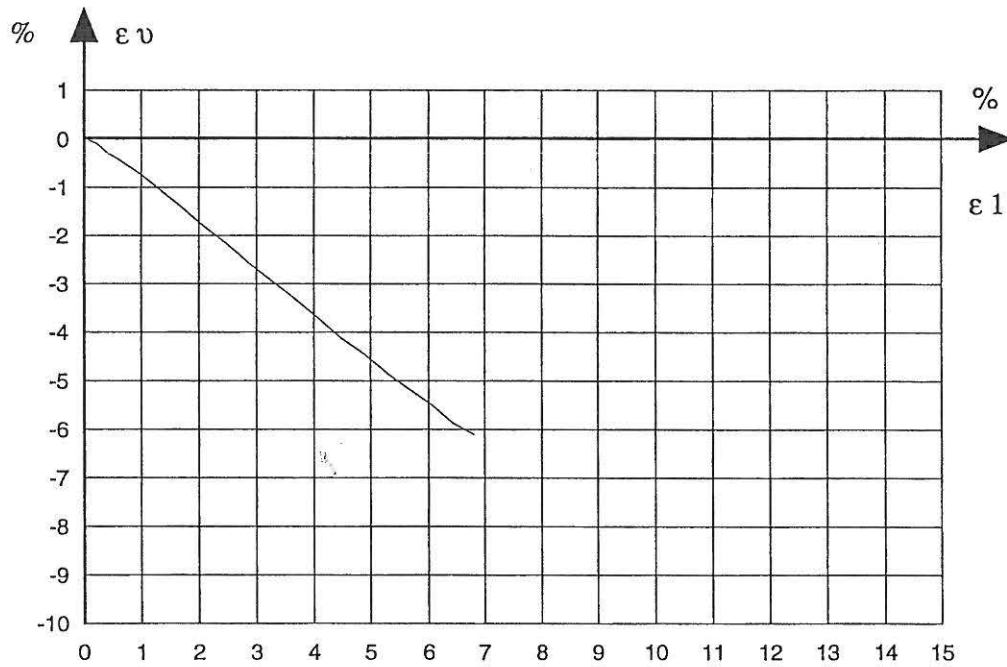
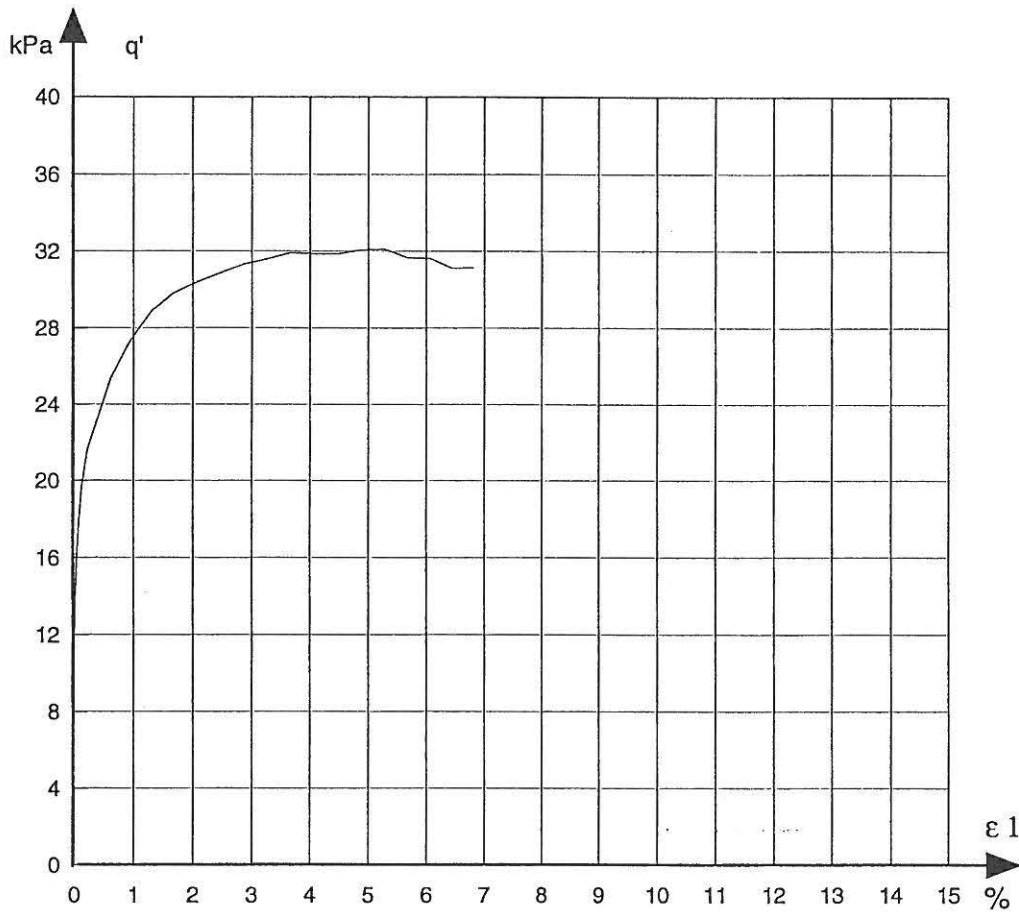
		Values at failure	Values for $\Delta\epsilon_v = 0$
Deviator stress	q'	32.10 kPa	4.00 kPa
Mean normal stress	p'	17.20 kPa	7.53 kPa
Confining pressures	σ_3	6.50 kPa	6.20 kPa
Vertical strain	ϵ_1	5.29 %	0.00 %
Volumetric strain	ϵ_v	-4.85 %	0.00 %



q'	p'	ϵ_1	ϵ_v
4.00	7.53	0.00	0.00
5.86	8.15	0.00	0.00
7.84	8.81	0.00	0.00
9.82	9.47	0.00	0.00
11.79	10.13	0.01	0.00
13.77	10.79	0.02	0.00
15.74	11.45	0.04	0.00
17.72	12.11	0.07	0.00
19.67	12.76	0.12	-0.04
21.62	13.41	0.22	-0.08
23.50	14.03	0.42	-0.29
25.38	14.66	0.60	-0.41
27.19	15.26	0.91	-0.65
28.92	15.84	1.30	-1.02
29.82	16.24	1.67	-1.39
30.41	16.44	2.07	-1.79
30.86	16.59	2.47	-2.16
31.33	16.74	2.86	-2.57
31.61	16.94	3.26	-2.93
31.92	17.04	3.67	-3.30
31.87	17.02	4.48	-4.12
32.10	17.20	5.29	-4.85
31.64	16.95	6.06	-5.50
31.13	16.88	6.82	-6.11

Job:	Encl. No
Blokhus sand	51
Exc:	Check:
HSP	LB

Remark:

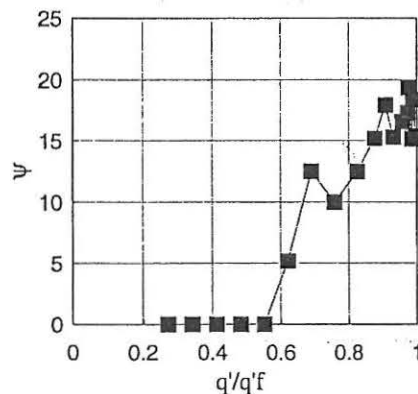
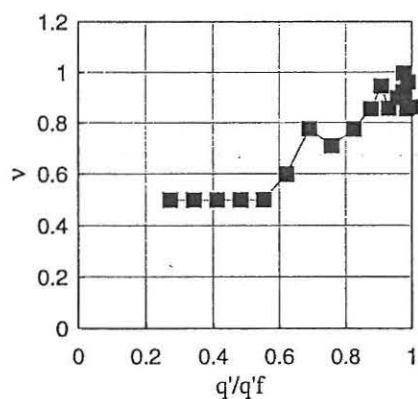


Job:	Encl. No
Blokhuis sand	52
Exc:	Check:
HSP	LB

Description of soil Blokhus sand		Water content %	Before test	At failure
		Grain density	0	
Calibration file	Date	Void ratio	2.65	
		Saturation	0.55	0.605
Loadtransducer		Dimension H mm	0	
2004	05.03.79	Dimension D mm	250	
			250	

TEST-PROGRAM	Drained compression.		
CD - Triaxial test. free ends	1. Isotropic-compression. σ_3		6.2 kPa
		ϵ_1	0 %
		ϵ_v	0 %
	2. Drained compression.		
	Deformation rate:		5.6 % ph

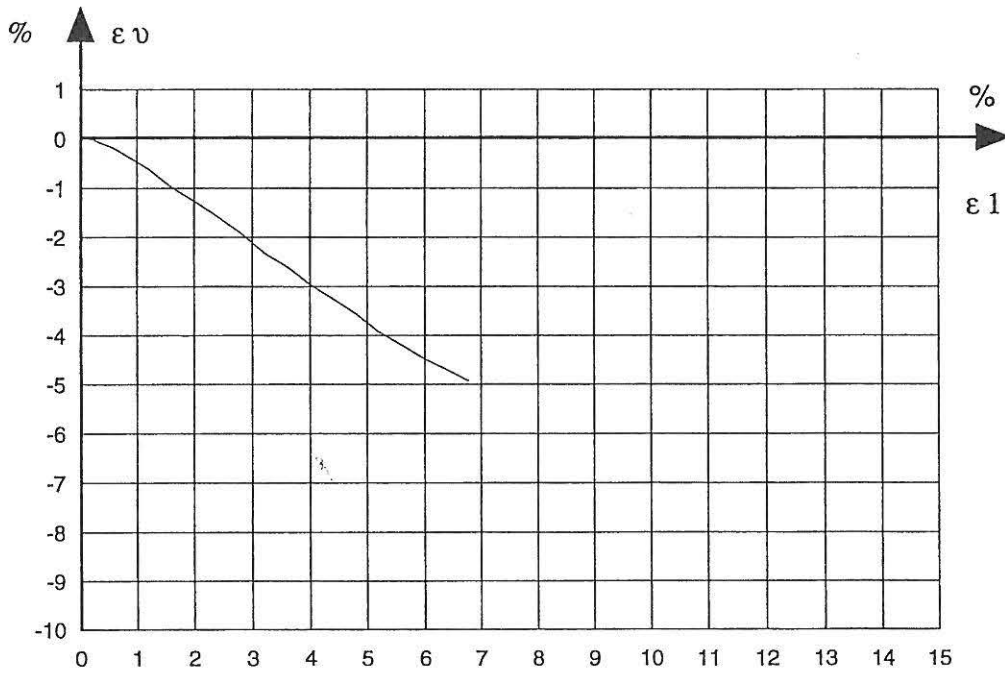
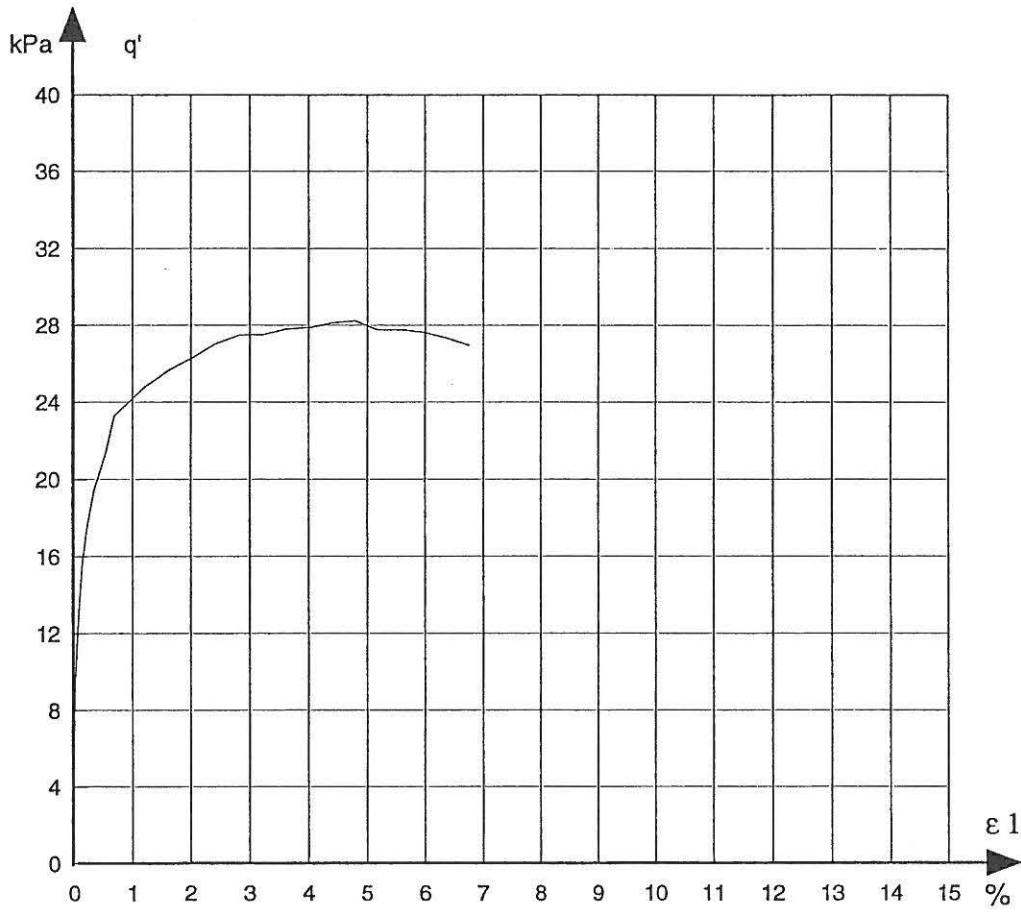
		Values at failure		Values for $\Delta\epsilon_v = 0$	
Deviator stress	q'	28.23	kPa	15.57	kPa
Mean normal stress	p'	15.71	kPa	11.39	kPa
Confining pressures	σ_3	6.20	kPa	6.20	kPa
Vertical strain	ϵ_1	4.80	%	0.14	%
Volumetric strain	ϵ_v	-3.54	%	0.00	%



q'	p'	ϵ_1	ϵ_v
3.80	7.47	0.00	0.00
5.70	8.10	0.00	0.00
7.68	8.76	0.01	0.00
9.65	9.42	0.03	0.00
11.63	10.08	0.05	0.00
13.60	10.73	0.09	0.00
15.57	11.39	0.14	0.00
17.53	12.04	0.22	-0.02
19.46	12.69	0.34	-0.08
21.37	13.32	0.53	-0.16
23.28	13.96	0.68	-0.24
24.75	14.45	1.20	-0.61
25.64	14.75	1.61	-0.98
26.26	14.95	2.01	-1.26
27.02	15.31	2.42	-1.59
27.49	15.46	2.83	-1.94
27.51	15.47	3.22	-2.32
27.80	15.57	3.62	-2.61
27.88	15.59	4.02	-2.97
28.13	15.68	4.41	-3.26
28.23	15.71	4.80	-3.54
27.76	15.55	5.18	-3.91
27.63	15.51	5.98	-4.47
26.96	15.29	6.77	-4.93

Job:	Encl. No
Blokhus sand	53
Exc:	Check:
HSP	LB

Remark:
The specimen slipped out after failure.

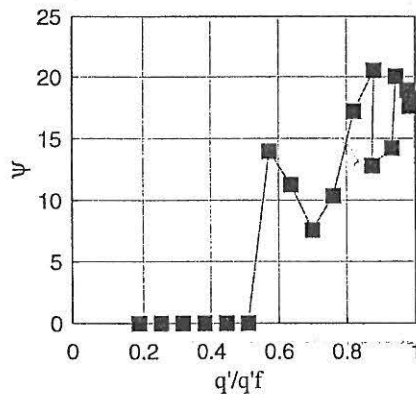
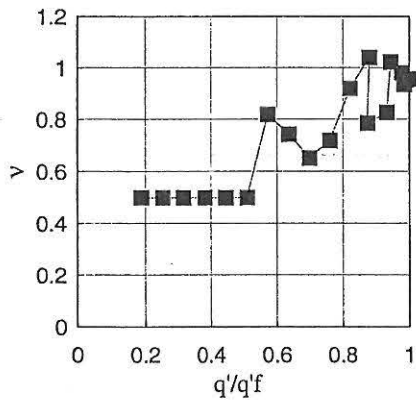


Job:	Blokhuis sand	Encl. No	54
Exc:	HSP	Check:	LB

Description of soil Blokhus sand		Water content %	Before test	At failure
		Grain density	0	
Calibration file	Date	Void ratio	2.65	
		Saturation	0.537	0.582
Loadtransducer		Dimension H mm	0	
2004	07.03.79	D mm	250	
			250	

TEST-PROGRAM	Drained compression.		
CD - Triaxial test. free ends	1. Isotropic compression.	σ_3	6.5 kPa
		ϵ_1	0 %
		ϵ_v	0 %
	2. Drained compression.		
	Deformation rate:		4.9 % ph

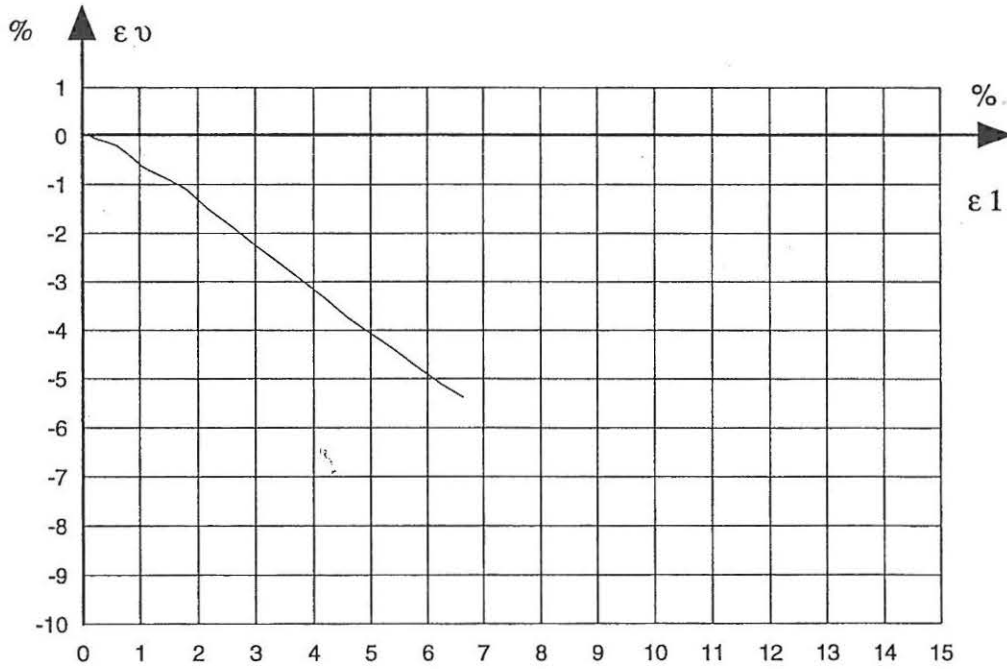
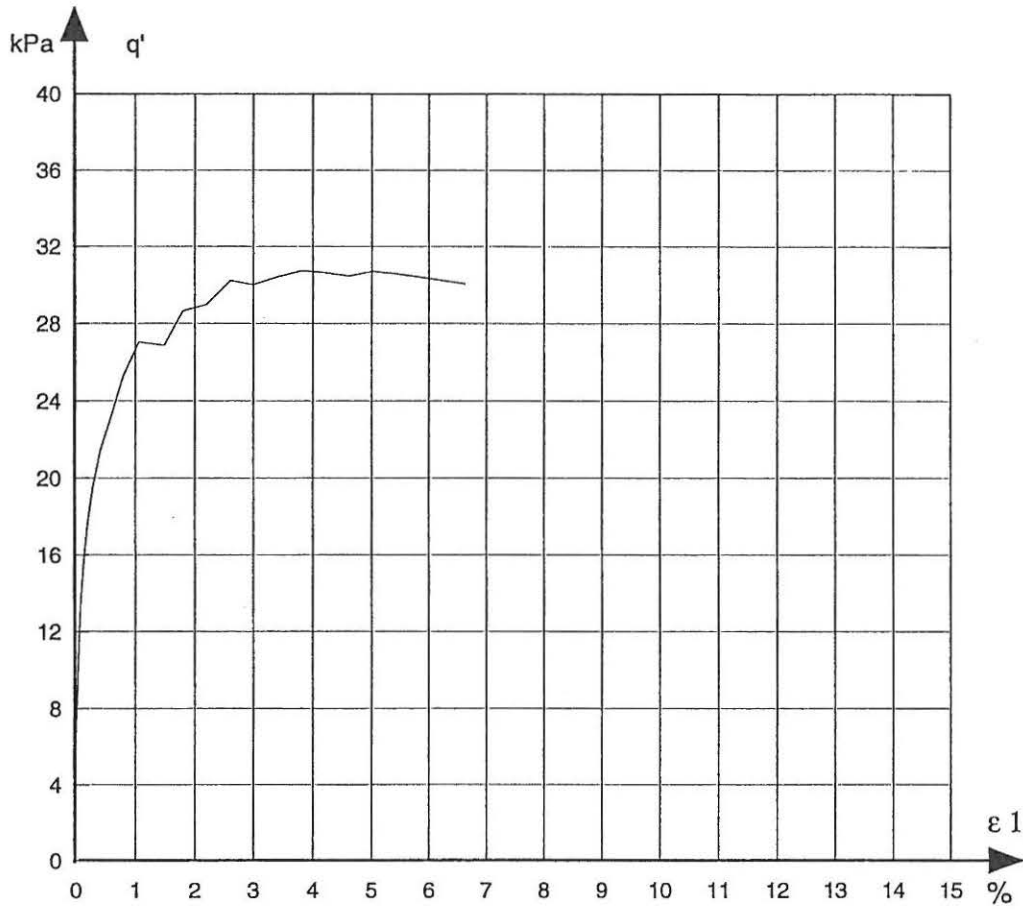
		Values at failure		Values for $\Delta \epsilon_v = 0$	
Deviator stress	q'	30.73	kPa	15.63	kPa
Mean normal stress	p'	16.94	kPa	11.71	kPa
Confining pressures	σ_3	6.70	kPa	6.50	kPa
Vertical strain	ϵ_1	3.80	%	0.13	%
Volumetric strain	ϵ_v	-2.97	%	0.00	%



q'	p'	ϵ_1	ϵ_v
3.90	7.80	0.00	0.00
5.76	8.42	0.01	0.00
7.74	9.08	0.02	0.00
9.71	9.74	0.04	0.00
11.69	10.40	0.06	0.00
13.66	11.05	0.09	0.00
15.63	11.71	0.13	0.00
17.59	12.36	0.20	-0.04
19.53	13.01	0.28	-0.08
21.47	13.66	0.42	-0.12
23.37	14.29	0.60	-0.20
25.24	14.91	0.80	-0.37
27.05	15.52	1.06	-0.65
26.87	15.46	1.49	-0.90
28.65	16.05	1.80	-1.10
28.99	16.16	2.19	-1.51
30.24	16.68	2.61	-1.87
30.01	16.60	2.99	-2.24
30.41	16.74	3.40	-2.61
30.73	16.94	3.80	-2.97
30.64	16.91	4.20	-3.34
30.71	16.86	4.61	-3.75
30.42	17.00	5.42	-4.40
30.06	16.88	6.24	-5.09

Job:	Encl. No
Blokhus sand	55
Exc:	Check:
HSP	LB

Remark:

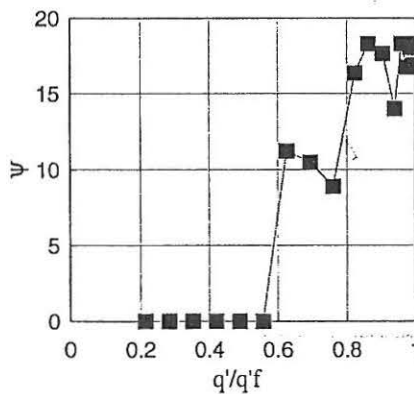
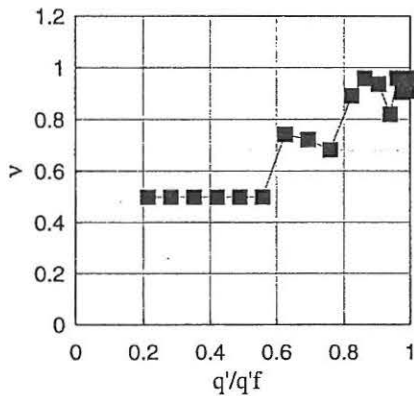


Job:	Encl. No
Blokhuis sand	56
Exc:	Check:
HSP	LB

Description of soil Blokhus sand		Water content %	Before test	At failure
		Grain density	0	
Calibration file	Date	Void ratio	2.65	0.594
		Saturation	0.535	
Loadtransducer		Dimension H mm	0	
2004	14.03.79	D mm	250	
			250	

TEST-PROGRAM	Drained compression.		
CD - Triaxial test. free ends	1. Isotropic compression.	σ_3	6.3 kPa
		ϵ_1	0 %
		ϵ_v	0 %
	2. Drained compression.		
	Deformation rate:		5.3 % ph

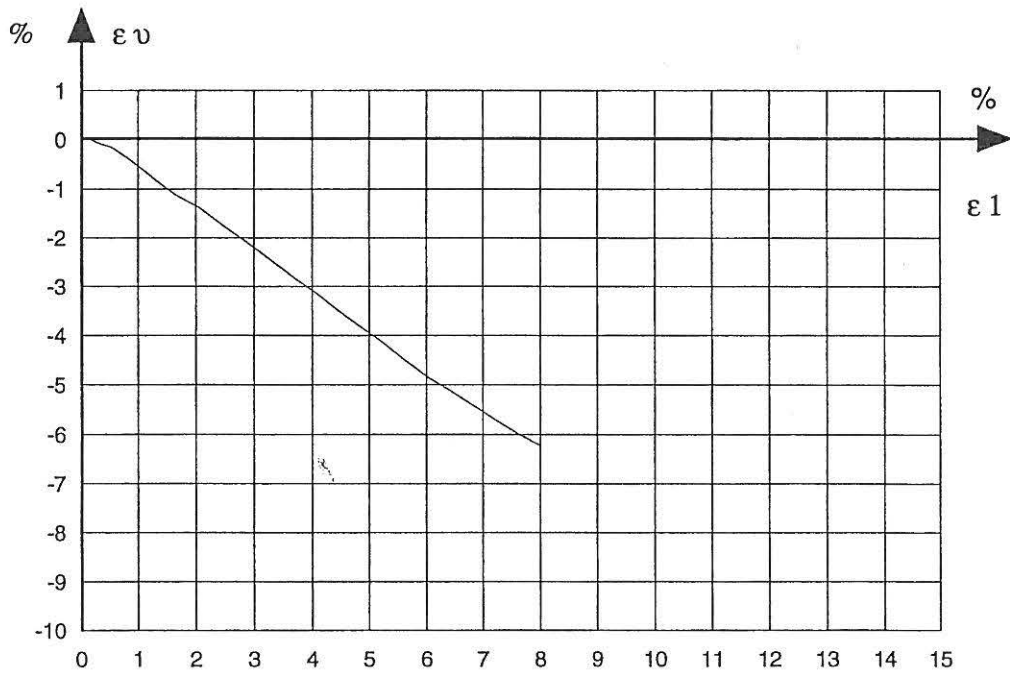
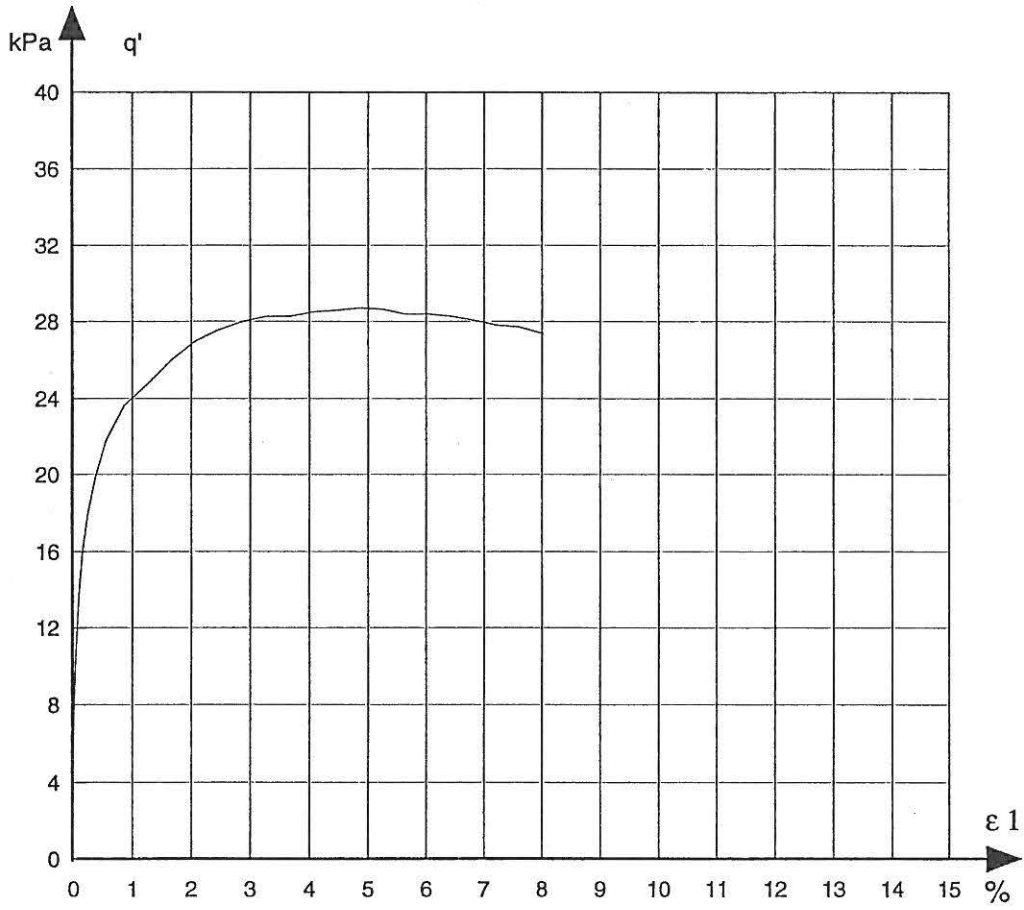
		Values at failure	Values for $\Delta \epsilon_v = 0$
Deviator stress	q'	28.70 kPa	15.99 kPa
Mean normal stress	p'	16.07 kPa	11.63 kPa
Confining pressures	σ_3	6.50 kPa	6.50 kPa
Vertical strain	ϵ_1	4.86 %	0.15 %
Volumetric strain	ϵ_v	-3.83 %	0.00 %



q'	p'	ϵ_1	ϵ_v
3.90	7.60	0.00	0.00
6.12	8.34	0.00	0.00
8.10	9.00	0.02	0.00
10.07	9.66	0.04	0.00
12.05	10.32	0.07	0.00
14.02	10.97	0.10	0.00
15.99	11.63	0.15	0.00
17.94	12.28	0.24	-0.04
19.87	12.92	0.37	-0.10
21.79	13.56	0.54	-0.16
23.62	14.17	0.86	-0.41
24.76	14.55	1.26	-0.77
25.96	14.95	1.66	-1.12
26.97	15.29	2.07	-1.39
27.56	15.59	2.47	-1.75
28.00	15.73	2.87	-2.08
28.27	15.82	3.27	-2.44
28.27	15.82	3.68	-2.81
28.50	16.00	4.08	-3.14
28.58	16.03	4.48	-3.50
28.70	16.07	4.86	-3.83
28.38	16.04	5.26	-4.16
28.26	15.96	6.03	-4.85
27.80	15.95	6.84	-5.42

Job:	Encl. No
Blokhus sand	57
Exc:	Check:
HSP	LB

Remark:

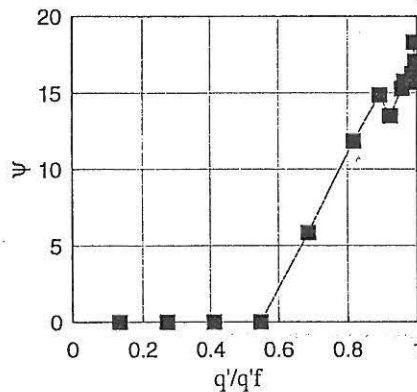
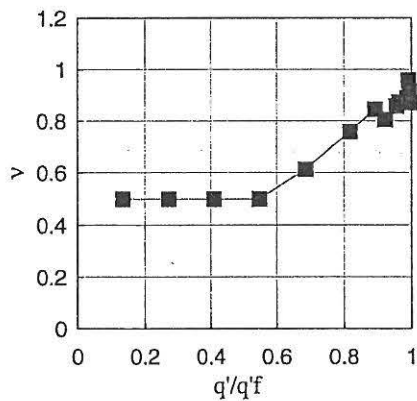


Job: Blokhus sand	Encl. No 58
Exc: HSP	Check: LB

Description of soil Blokhus sand		Water content %	Before test	At failure
		Grain density	0	
Calibration file	Date	Void ratio	2.65	
		Saturation	0.545	0.596
Loadtransducer		Dimension H mm	0	
10001	09.04.79	Dimension D mm	250	
			250	

TEST-PROGRAM	Drained compression.		
CD - Triaxial test. free ends	1. Isotropic compression.	σ_3	6.7-18.8 kPa
		ϵ_1	0.01 %
		ϵ_v	0.04 %
	2. Drained compression.		
	Deformation rate:		5 % ph

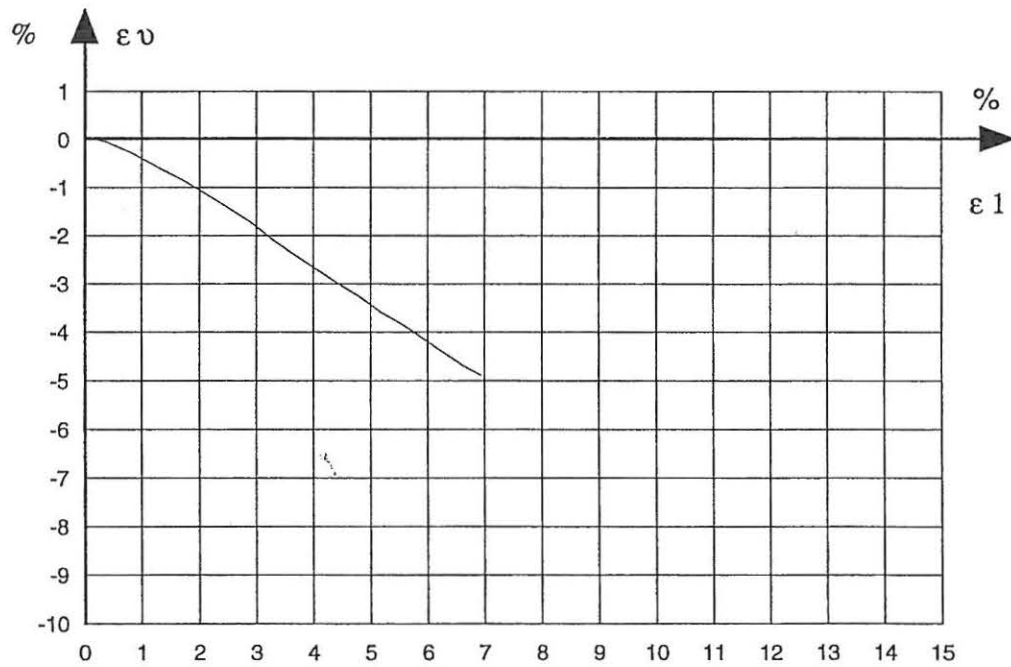
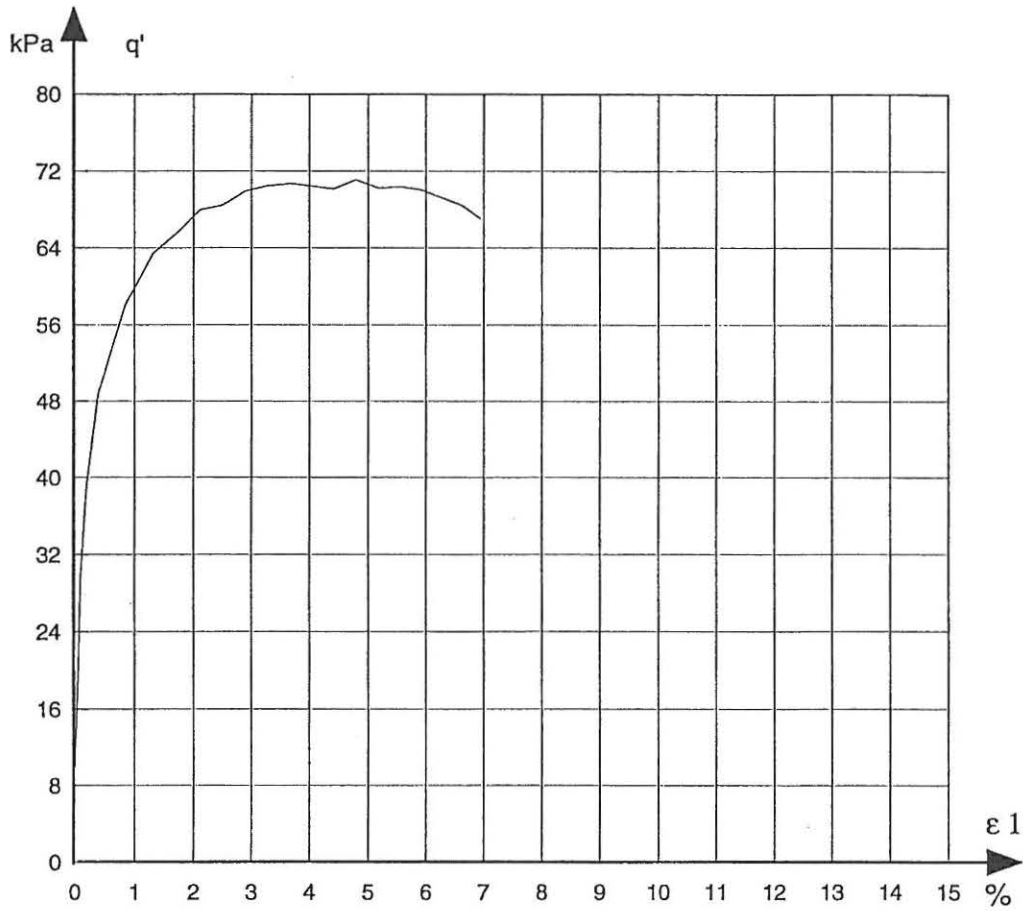
		Values at failure		Values for $\Delta \epsilon_v = 0$	
Deviator stress	q'	71.14	kPa	38.99	kPa
Mean normal stress	p'	42.51	kPa	31.80	kPa
Confining pressures	σ_3	18.80	kPa	18.80	kPa
Vertical strain	ϵ_1	4.79	%	0.20	%
Volumetric strain	ϵ_v	-3.26	%	0.00	%



q'	p'	ϵ_1	ϵ_v
3.90	20.10	0.00	0.00
9.47	21.96	0.01	0.00
19.32	25.24	0.06	0.00
29.17	28.52	0.10	0.00
38.99	31.80	0.20	0.00
48.73	35.04	0.38	-0.04
58.14	38.18	0.85	-0.29
63.48	39.96	1.32	-0.61
65.57	40.66	1.72	-0.86
67.99	41.46	2.12	-1.14
68.48	41.63	2.50	-1.43
69.91	42.10	2.88	-1.71
70.49	42.30	3.28	-2.08
70.72	42.37	3.68	-2.40
70.44	42.28	4.04	-2.69
70.16	42.19	4.41	-2.97
71.14	42.51	4.79	-3.26
70.27	42.22	5.18	-3.59
70.37	42.26	5.55	-3.83
70.09	42.16	5.90	-4.12
69.28	41.89	6.26	-4.40
68.47	41.62	6.62	-4.69
67.05	41.15	6.95	-4.89

Job: Blokhus sand	Encl. No 59
Exc: HSP	Check: FRJ

Remark:

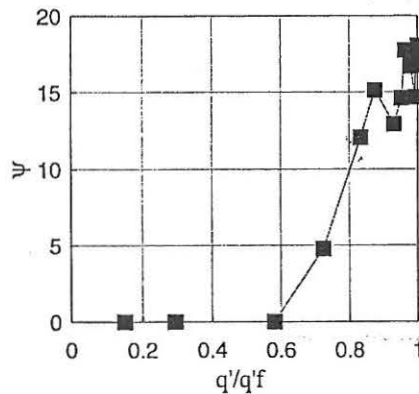
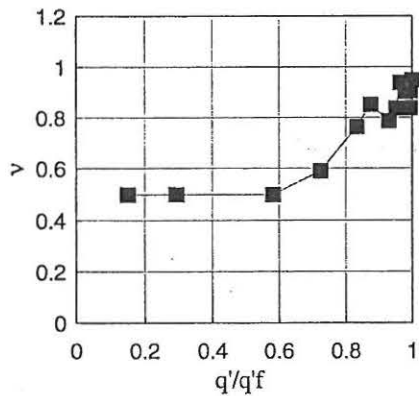


Job:	Blokhus sand	Encl. No	60
Exc:	HSP	Check:	FRJ

Description of soil Blokhus sand		Water content %	Before test	At failure
		Grain density	0	
Calibration file	Date	Void ratio	2.65	0.589
		Saturation	0.541	
Loadtransducer		Dimension H mm	0	
10001	11.04.79	D mm	250	
			250	

TEST-PROGRAM	Drained compression.		
CD - Triaxial test. free ends	1. Isotropic-compression.	σ_3	6.0-20.0 kPa
		ϵ_1	0.01 %
		ϵ_v	0 %
	2. Drained compression.		
	Deformation rate:		5.3 % ph

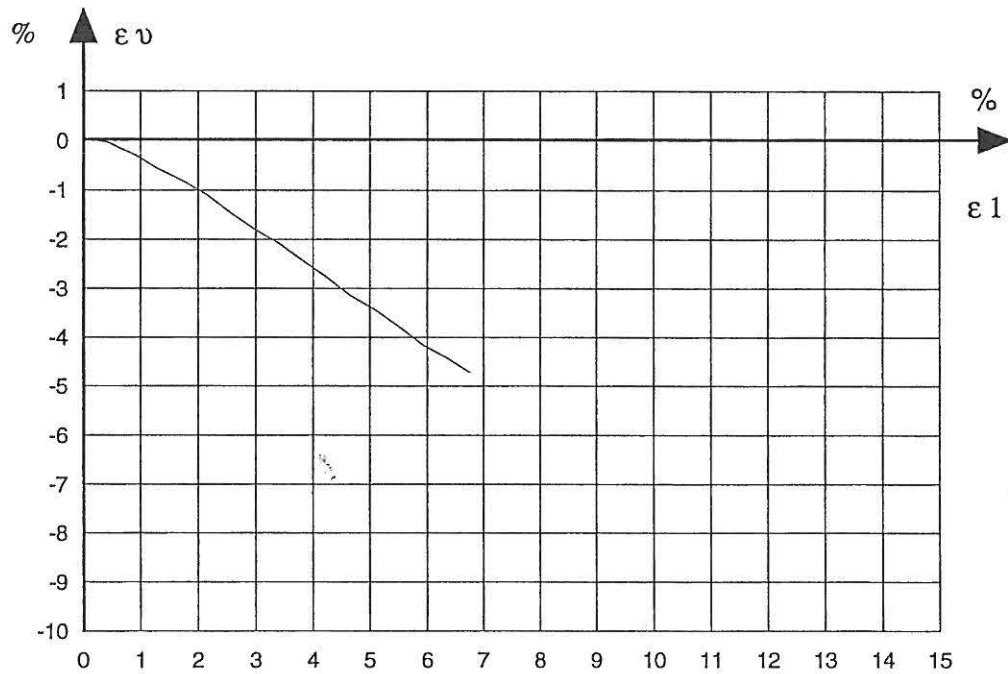
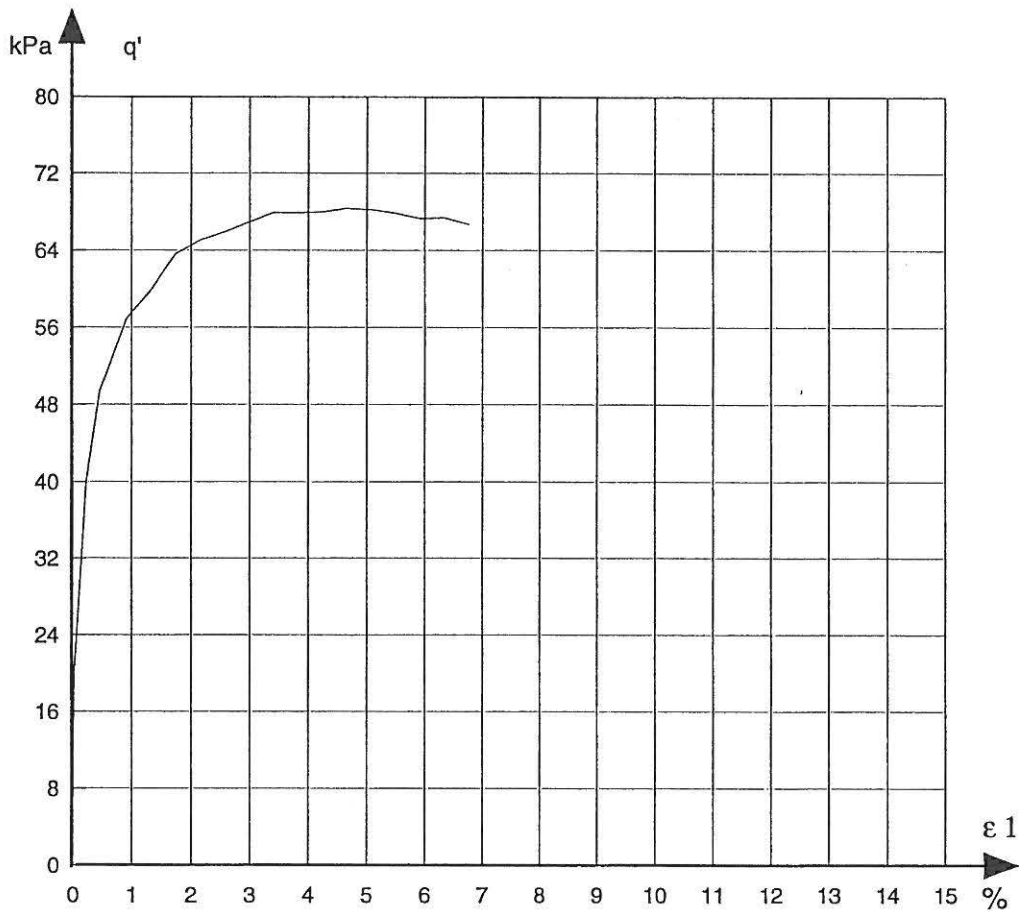
		Values at failure	Values for $\Delta\epsilon_v = 0$
Deviator stress	q'	68.38 kPa	39.73 kPa
Mean normal stress	p'	41.59 kPa	32.04 kPa
Confining pressures	σ_3	18.80 kPa	18.80 kPa
Vertical strain	ϵ_1	4.65 %	0.22 %
Volumetric strain	ϵ_v	-3.14 %	0.00 %



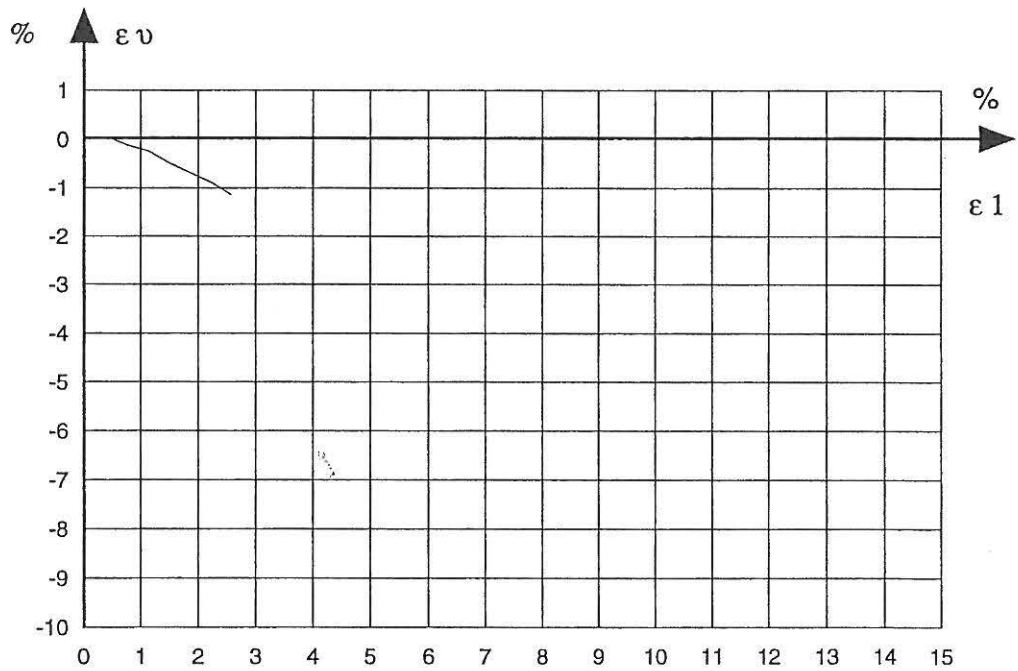
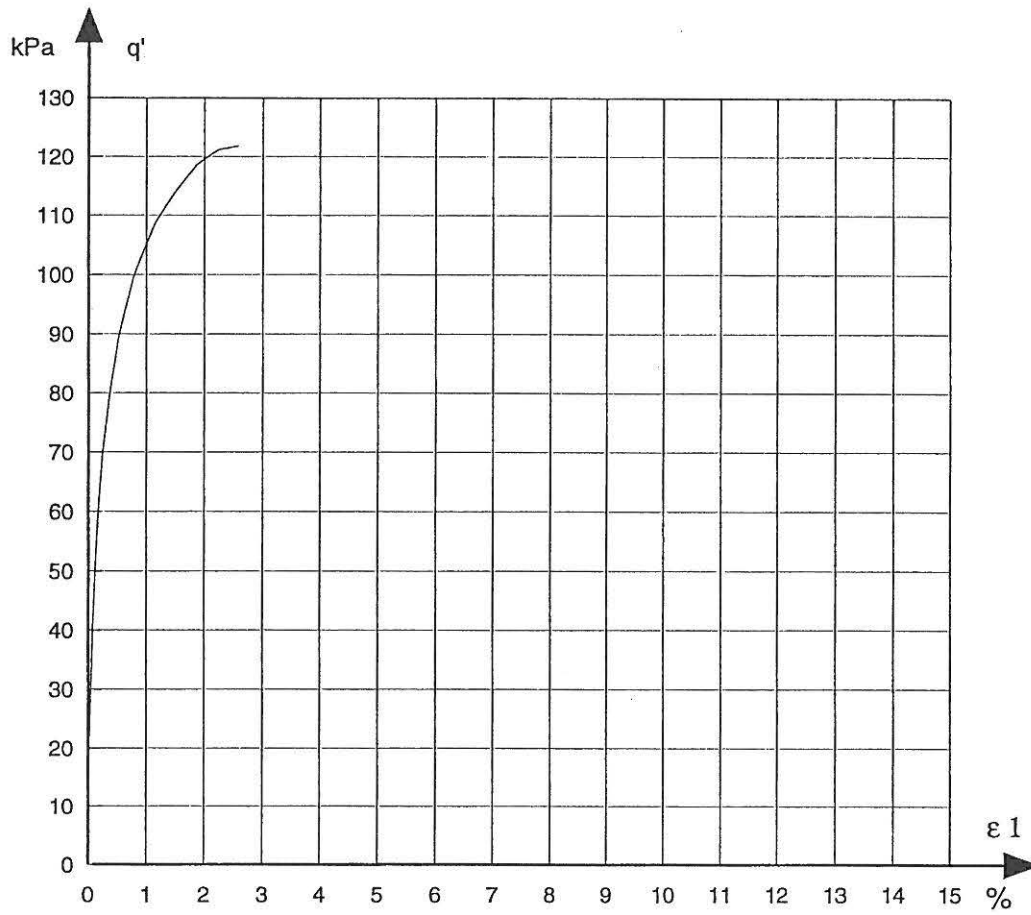
q'	p'	ϵ_1	ϵ_v
3.90	20.10	0.00	0.00
10.21	22.20	0.01	0.00
20.08	25.49	0.03	0.00
39.73	32.04	0.22	0.00
49.45	35.28	0.45	-0.04
56.90	37.77	0.91	-0.29
59.80	38.73	1.31	-0.57
63.63	40.01	1.74	-0.81
65.08	40.49	2.16	-1.10
65.90	40.77	2.58	-1.47
66.92	41.11	2.98	-1.79
67.94	41.45	3.40	-2.08
67.95	41.45	3.84	-2.44
68.00	41.47	4.24	-2.77
68.38	41.59	4.65	-3.14
68.25	41.55	5.07	-3.42
67.87	41.42	5.51	-3.79
67.34	41.25	5.92	-4.16
67.42	41.27	6.33	-4.40
66.72	41.04	6.77	-4.73

Job: Blokhus sand	Encl. No 61
Exc: HSP	Check: LB

Remark:



Job:	Blokhuis sand	Encl. No	62
Exc:	HSP	Check:	LB

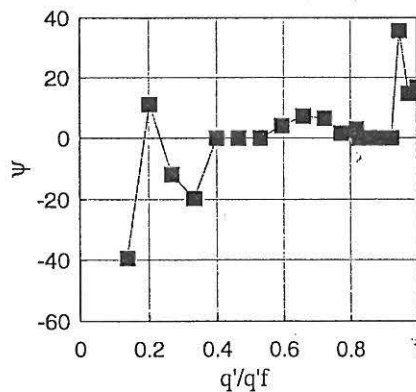
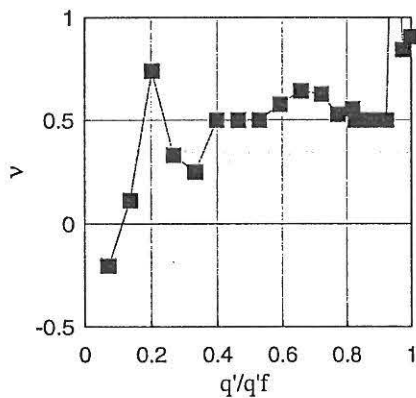


Job:	Blokhuis sand	Encl. No	64
Exc:	HSP	Check:	LB

Description of soil Blokhus sand		Water content %	Before test	At failure
		Grain density	0	
Calibration file	Date	Void ratio	2.65	0.575
Loadtransducer 10001	20.04.79	Saturation	0.545	
		Dimension H mm	0	
		D mm	250	

TEST-PROGRAM	Drained compression.		
CD - Triaxial test. free ends	1. Isotropic-compression.	σ_3	7.8-38.8 kPa
		ϵ_1	0.03 %
		ϵ_v	0.20 %
	2. Drained compression.		
	Deformation rate:		% ph

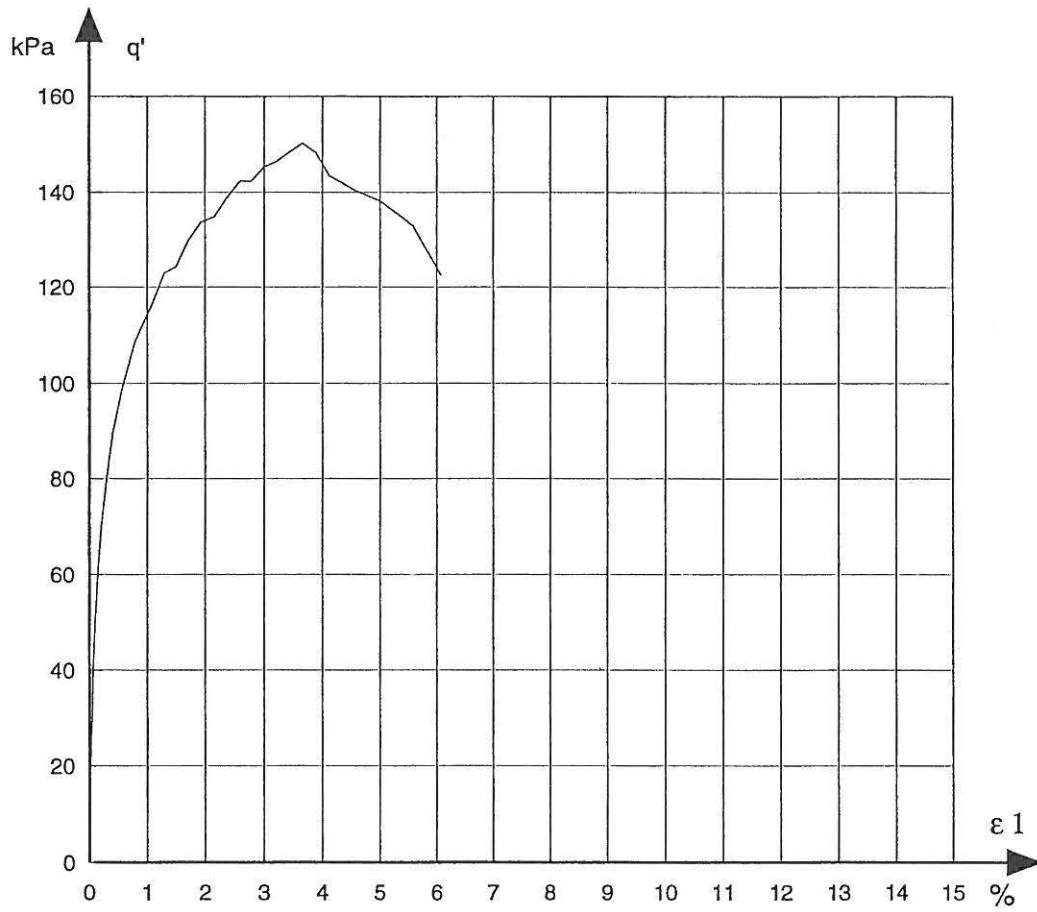
		Values at failure	Values for $\Delta \epsilon_v = 0$
Deviator stress	q'	150.26 kPa	79.49 kPa
Mean normal stress	p'	93.09 kPa	65.30 kPa
Confining pressures	σ_3	43.00 kPa	38.80 kPa
Vertical strain	ϵ_1	3.65 %	0.28 %
Volumetric strain	ϵ_v	-1.97 %	0.04 %



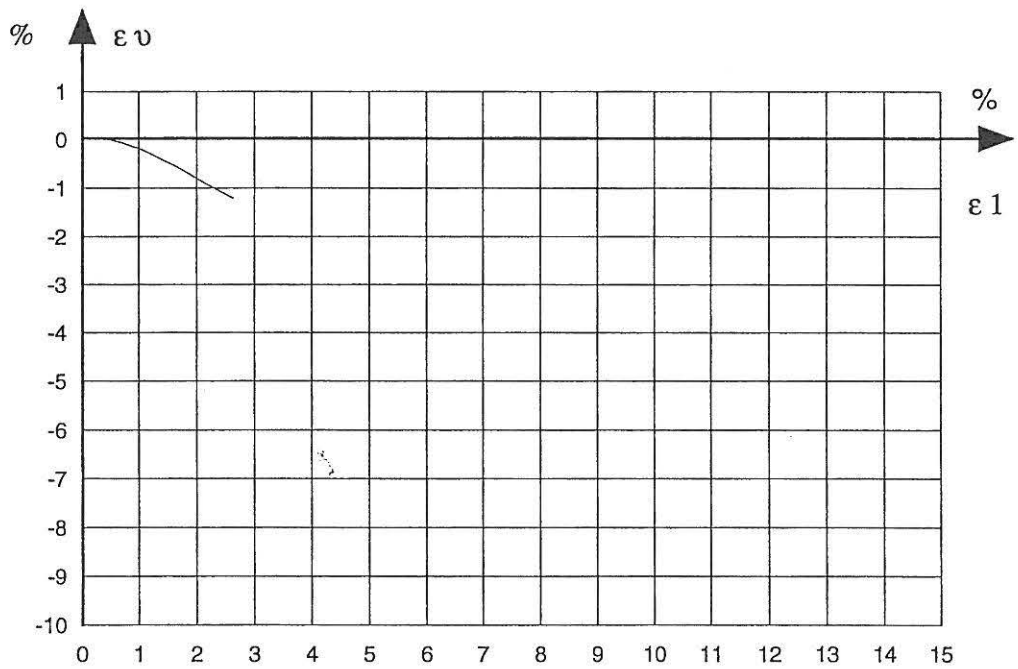
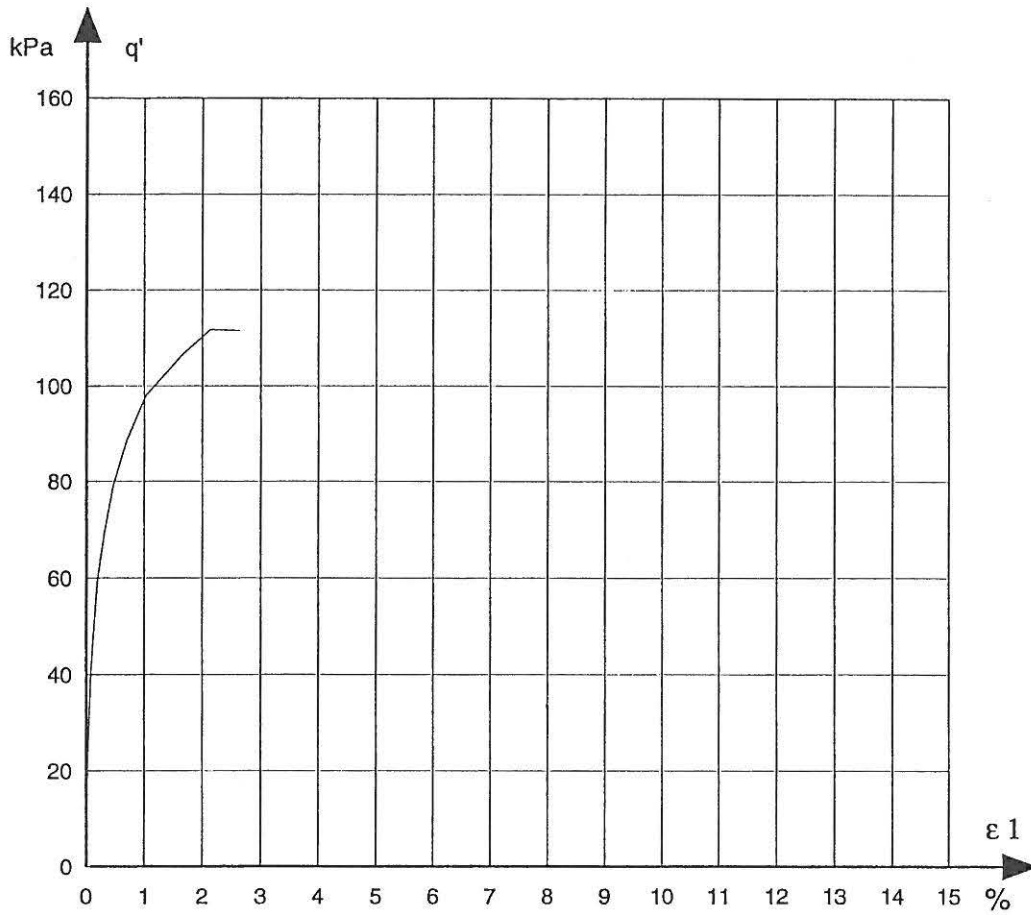
q'	p'	ϵ_1	ϵ_v
3.90	40.10	0.00	0.00
10.61	42.34	0.01	0.01
20.48	45.63	0.03	0.02
30.34	48.91	0.04	0.02
40.20	52.20	0.07	0.02
50.05	55.48	0.10	0.04
59.89	58.76	0.14	0.04
69.71	62.04	0.20	0.04
79.49	65.30	0.28	0.04
89.23	68.54	0.39	0.02
98.84	71.75	0.56	-0.02
108.35	74.92	0.78	-0.08
116.02	77.47	1.07	-0.10
122.93	79.78	1.29	-0.12
124.22	80.21	1.50	-0.12
129.78	82.06	1.70	-0.12
133.74	83.38	1.92	-0.12
138.72	85.04	2.36	-0.12
142.36	86.25	2.79	-1.32
146.41	87.60	3.21	-1.61
150.26	93.09	3.65	-1.97
143.53	90.84	4.11	-2.28
138.11	89.04	5.02	-2.98
122.42	83.81	6.07	-3.54

Job: Blokhus sand	Encl. No 65
Exc: HSP, CSS, MJ	Check: FRJ

Remark: Error during measuring the volumetric strain.
--



Job:	Encl. No
Blokhuis sand	66
Exc:	Check:
HSP, CSS, MJ	FRJ

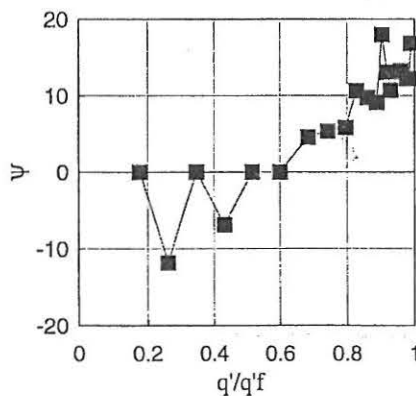
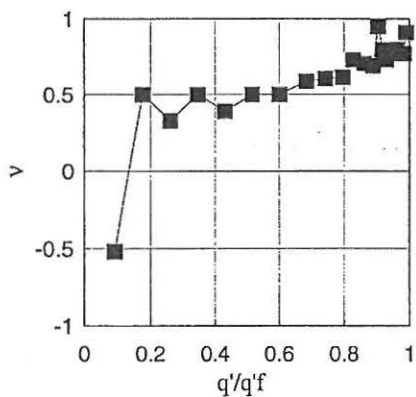


Job:	Blokhuis sand	Encl. No	68
Exc:	HSP	Check:	LB

Description of soil Blokhus sand		Water content %	Before test	At failure
		Grain density	0	
Calibration file	Date	Void ratio	2.65	
Loadtransducer	26.04.79	Saturation	0.56	0.588
10001		Dimension H mm	0	
		D mm	250	

TEST-PROGRAM	Drained compression.		
CD - Triaxial test. free ends	1. Isotropic compression:	σ_3	12.0-40.0 kPa
		ϵ_1	0.01 %
		ϵ_v	0.1 %
	2. Drained compression.		
	Deformation rate:		4.6 % ph

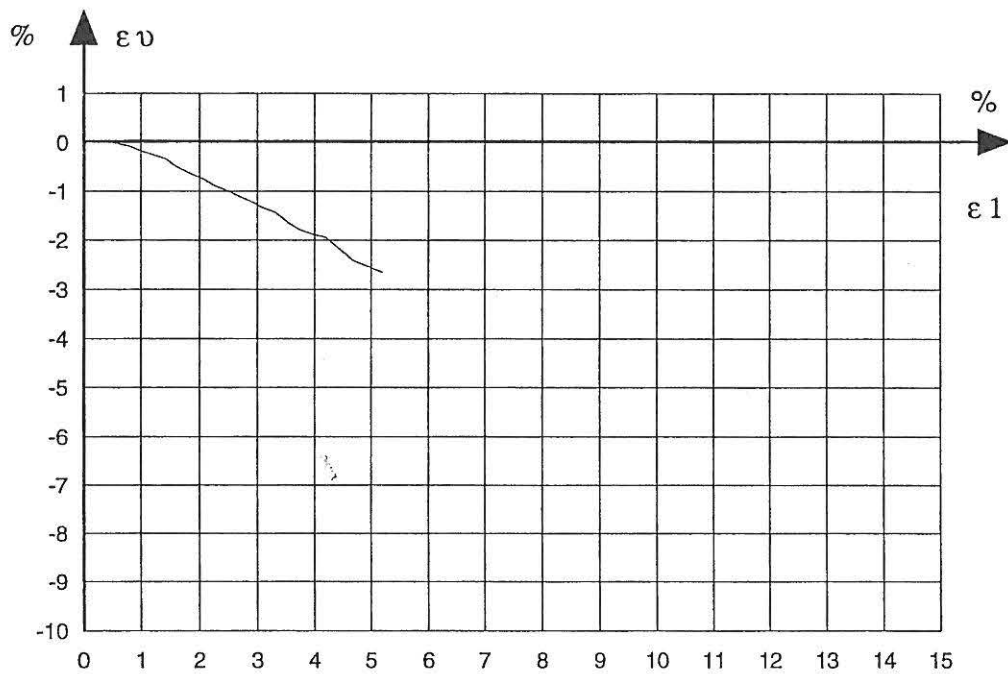
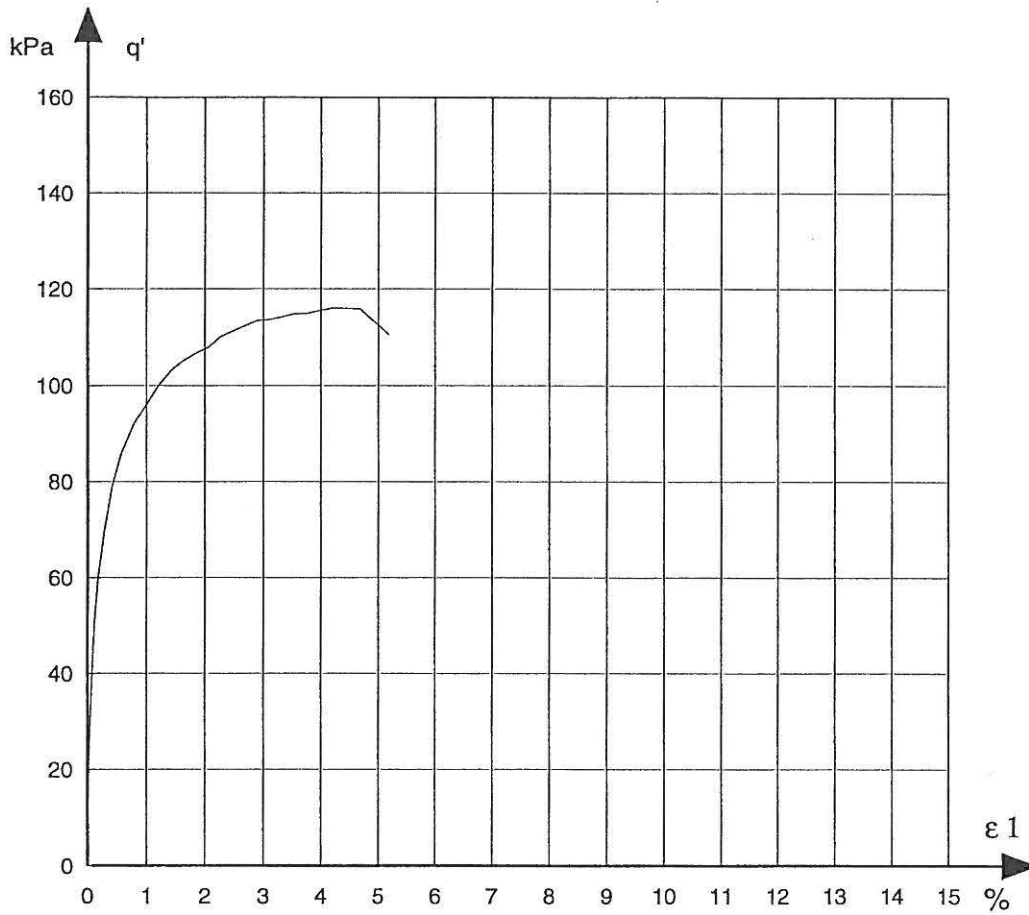
		Values at failure		Values for $\Delta\epsilon_v = 0$	
Deviator stress	q'	116.07	kPa	79.36	kPa
Mean normal stress	p'	77.10	kPa	65.25	kPa
Confining pressures	σ_3	43.00	kPa	38.80	kPa
Vertical strain	ϵ_1	3.75	%	0.42	%
Volumetric strain	ϵ_v	-1.79	%	0.01	%



q'	p'	ϵ_1	ϵ_v
3.90	41.30	0.00	0.00
10.61	42.34	0.01	0.02
20.48	45.63	0.02	0.02
30.34	48.91	0.05	0.02
40.19	52.20	0.08	0.02
50.04	55.48	0.11	0.03
59.87	58.76	0.17	0.03
69.65	62.02	0.27	0.03
79.36	65.25	0.42	0.01
86.08	67.49	0.57	-0.02
92.30	69.57	0.79	-0.07
96.11	70.84	1.01	-0.17
99.92	72.11	1.21	-0.25
103.11	73.17	1.42	-0.33
104.88	73.76	1.60	-0.50
106.60	74.33	1.84	-0.64
107.80	74.73	2.05	-0.73
111.26	75.89	2.48	-0.99
113.39	76.60	2.89	-1.21
114.15	76.85	3.31	-1.43
114.91	77.10	3.75	-1.79
116.07	77.49	4.19	-1.94
110.40	75.60	5.20	-2.66
0.00	0.00	0.00	0.00

Job: Blokhus sand	Encl. No 69
Exc: MJ	Check: LB

Remark:

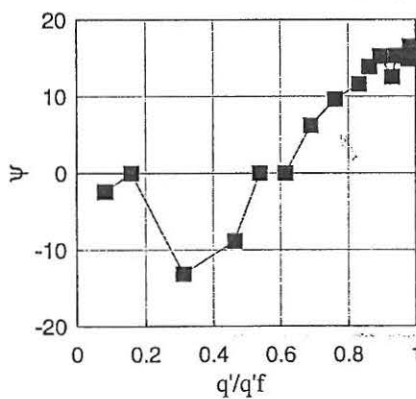
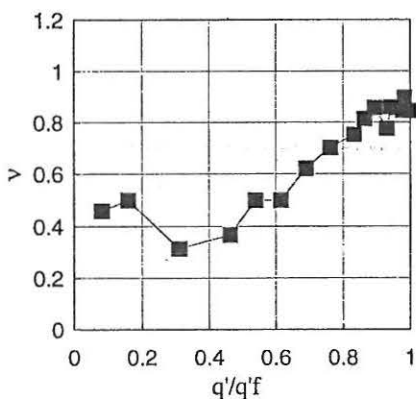


Job: Blokhus sand	Encl. No 70
Exc: MJ	Check: LB

Description of soil Blokhus sand		Water content %	Before test	At failure
		Grain density	0	
Calibration file	Date	Void ratio	2.65	
Loadtransducer		Saturation	0.536	0.595
10001	30.04.79	Dimension H mm	0	
		D mm	250	

TEST-PROGRAM	Drained compression.		
CD - Triaxial test. free ends	1. Isotropic compression:	σ_3	8.8-38.8 kPa
		ϵ_1	0.02 %
		ϵ_v	0.02 %
	2. Drained compression.		
	Deformation rate:		5.3 % ph

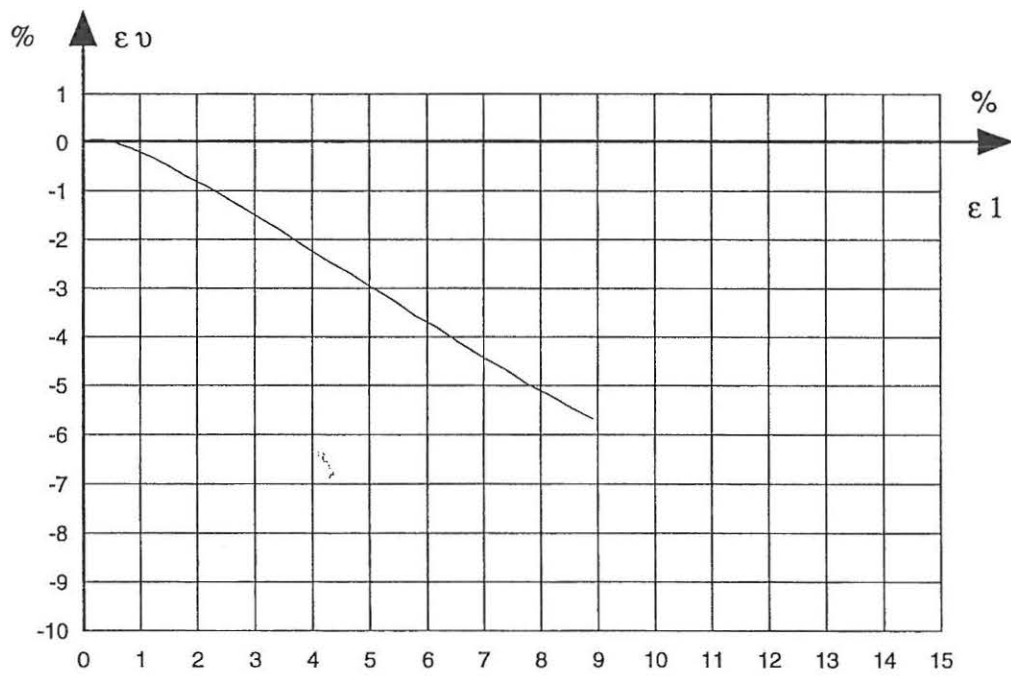
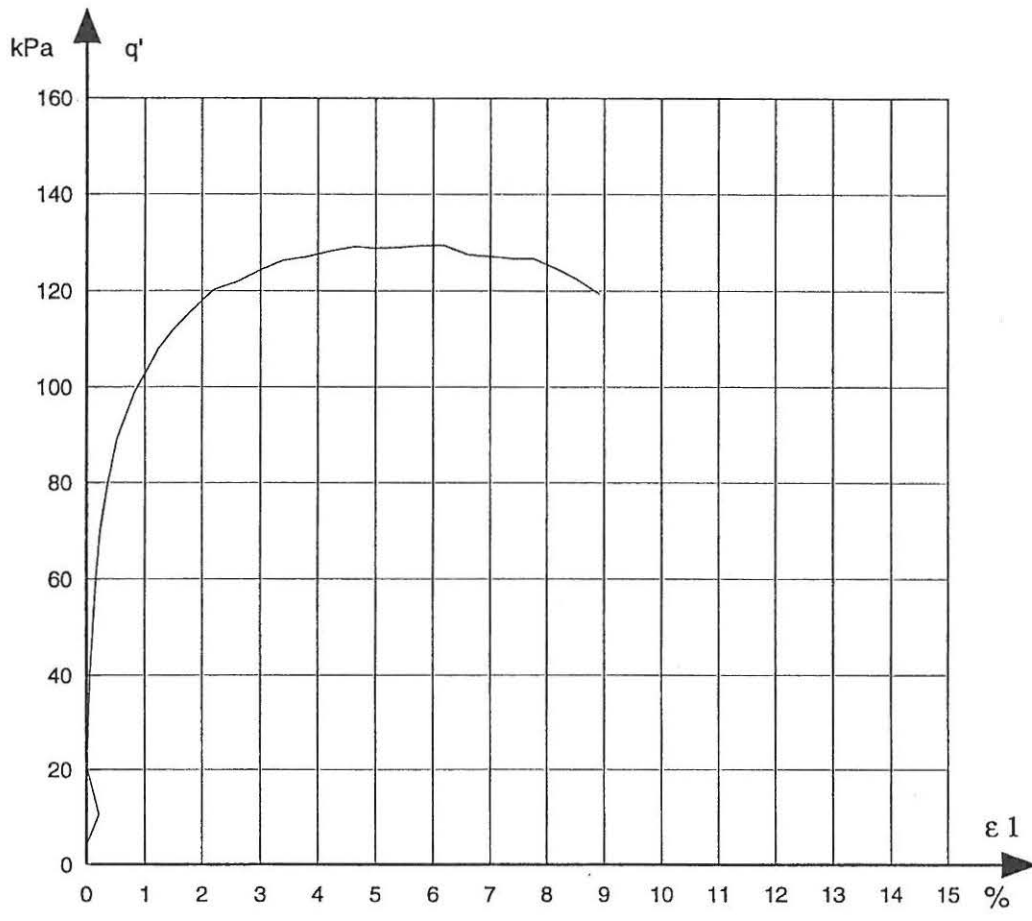
		Values at failure		Values for $\Delta \epsilon_v = 0$	
Deviator stress	q'	129.43	kPa	79.46	kPa
Mean normal stress	p'	81.94	kPa	65.29	kPa
Confining pressures	σ_3	38.80	kPa	38.80	kPa
Vertical strain	ϵ_1	6.19	%	0.34	%
Volumetric strain	ϵ_v	-3.81	%	0.06	%



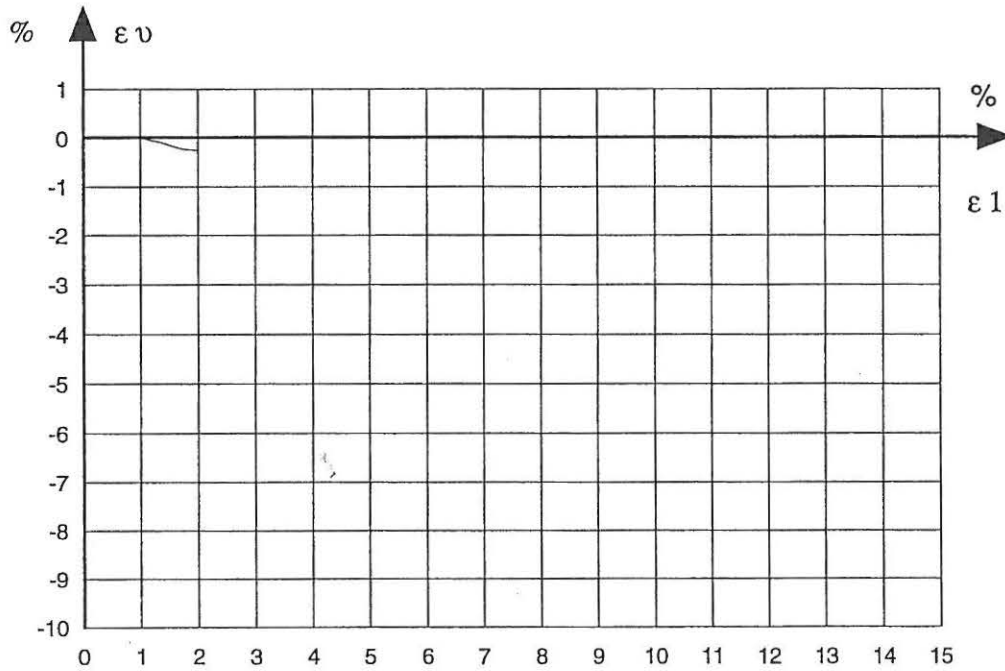
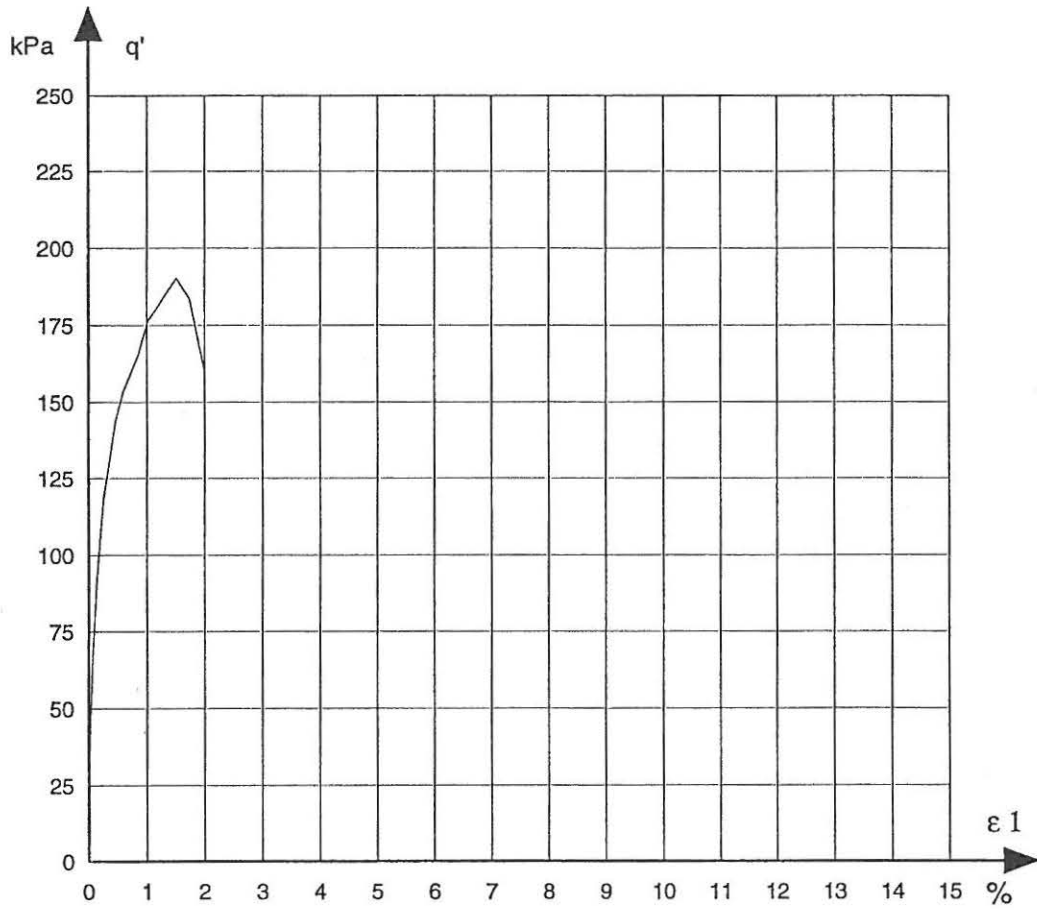
q'	p'	ϵ_1	ϵ_v
3.90	40.10	0.00	0.00
10.59	42.33	0.20	0.02
20.48	45.63	0.02	0.02
40.20	52.20	0.06	0.03
59.89	58.76	0.15	0.06
69.70	62.03	0.23	0.06
79.46	65.29	0.34	0.06
89.11	68.50	0.51	0.02
98.51	71.64	0.82	-0.11
107.62	74.67	1.22	-0.31
111.62	76.01	1.48	-0.47
115.65	77.35	1.79	-0.69
120.26	78.89	2.20	-0.92
121.90	79.43	2.59	-1.21
124.27	80.22	2.99	-1.49
126.39	80.93	3.40	-1.78
127.13	81.18	3.81	-2.10
129.19	81.86	4.64	-2.67
129.06	81.82	5.41	-3.24
129.43	81.94	6.19	-3.81
127.22	81.21	7.00	-4.42
126.75	81.05	7.76	-4.95
122.33	79.58	8.54	-5.46
119.36	78.59	8.92	-5.69

Job: Blokhus sand	Encl. No 71
Exc: CSS	Check: LB

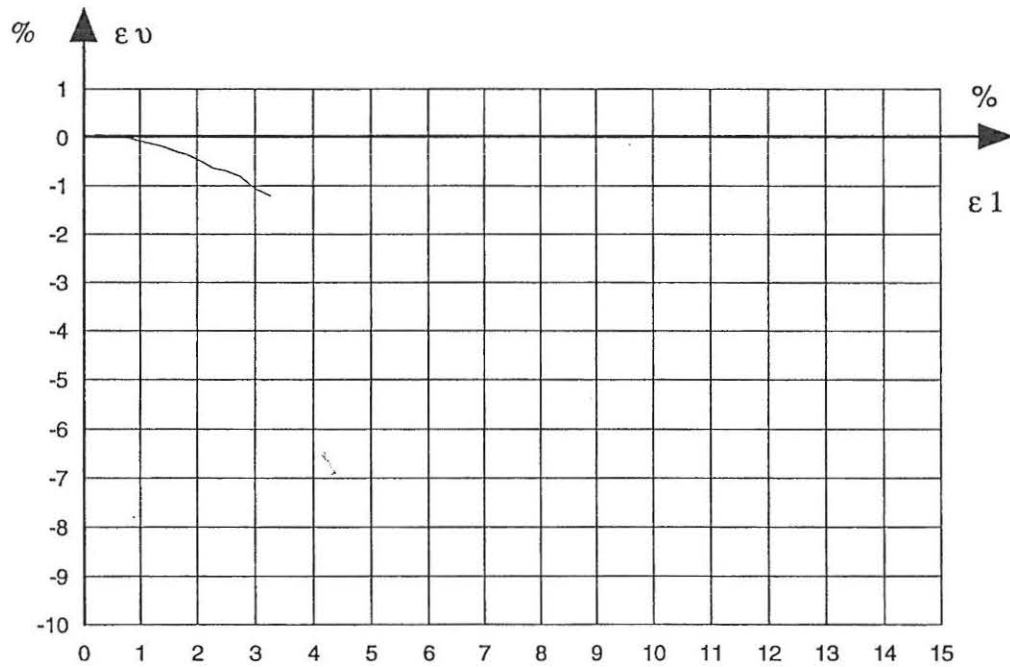
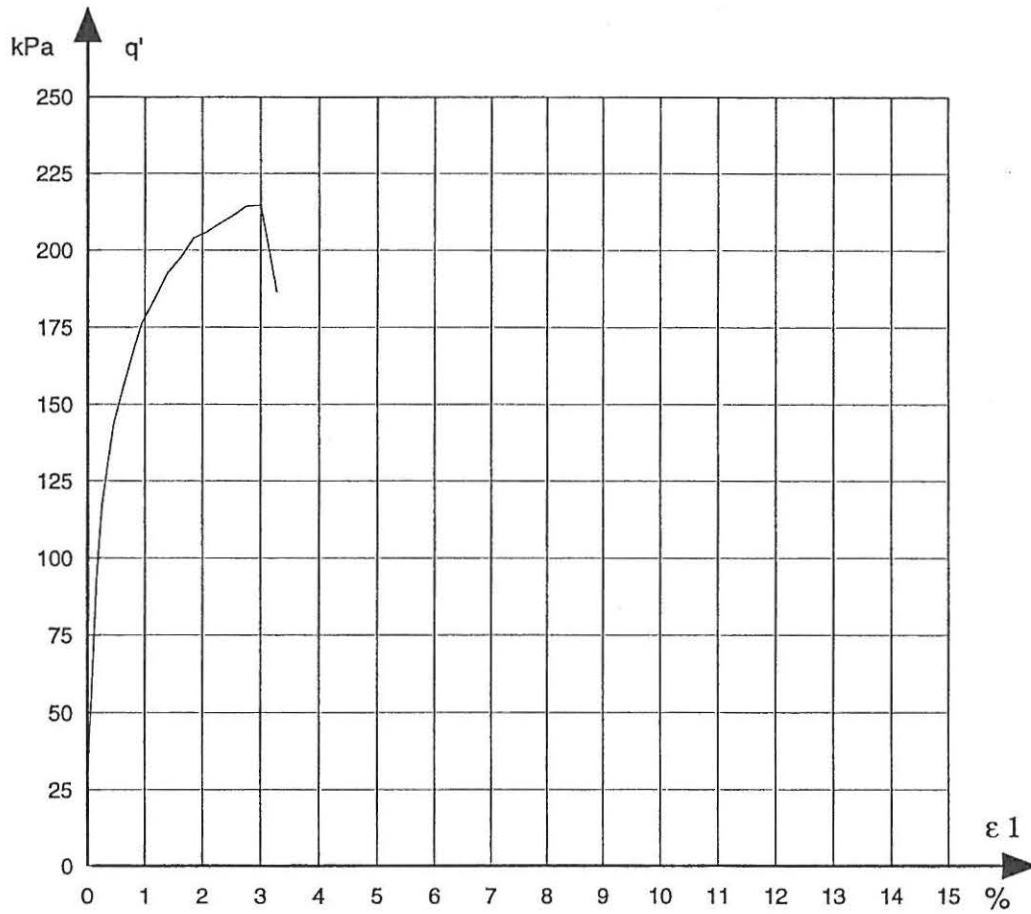
Remark:



Job: Blokhus sand	Encl. No 72
Exc: CSS	Check: LB



Job:	Blokhuis sand	Encl. No	74
Exc:	HSP, MJ	Check:	FRJ

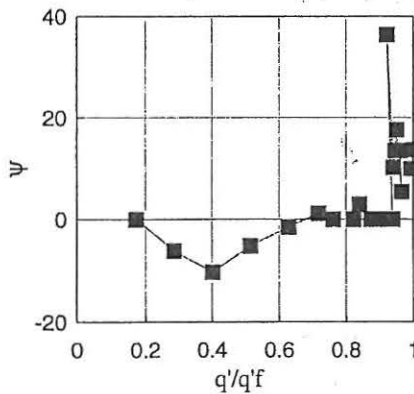
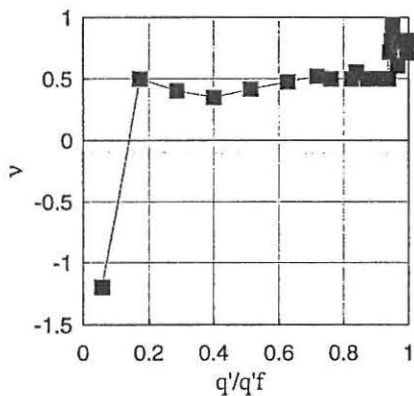


Job:	Encl. No
Blokhuis sand	76
Exc:	Check:
HSP, CSS	LB

Description of soil Blokhus sand		Water content %	Before test	At failure
		Grain density	0	
Calibration file	Date	Void ratio	2.65	0.558
Loadtransducer		Saturation	0.539	
20003	14.05.79	Dimension H mm	0	
		Dimension D mm	250	
			250	

TEST-PROGRAM	Drained compression.		
CD - Triaxial test. free ends	1. Isotropic compression.	σ_3	8.0-80.0 kPa
		ϵ_1	0.04 %
		ϵ_v	0.2 %
	2. Drained compression.		
	Deformation rate:		4.2 % ph

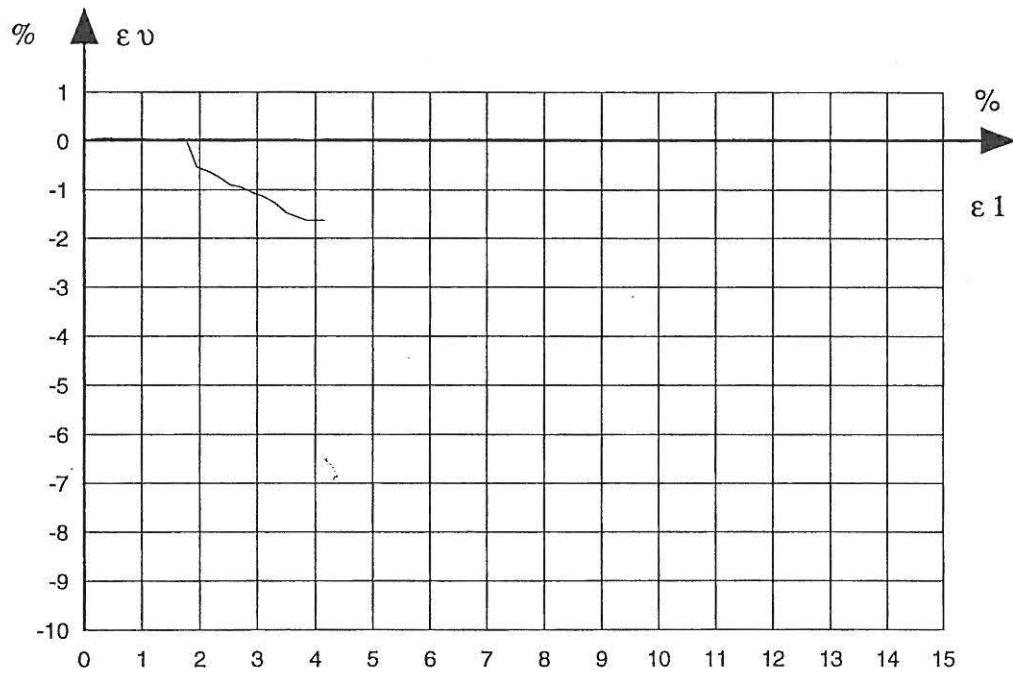
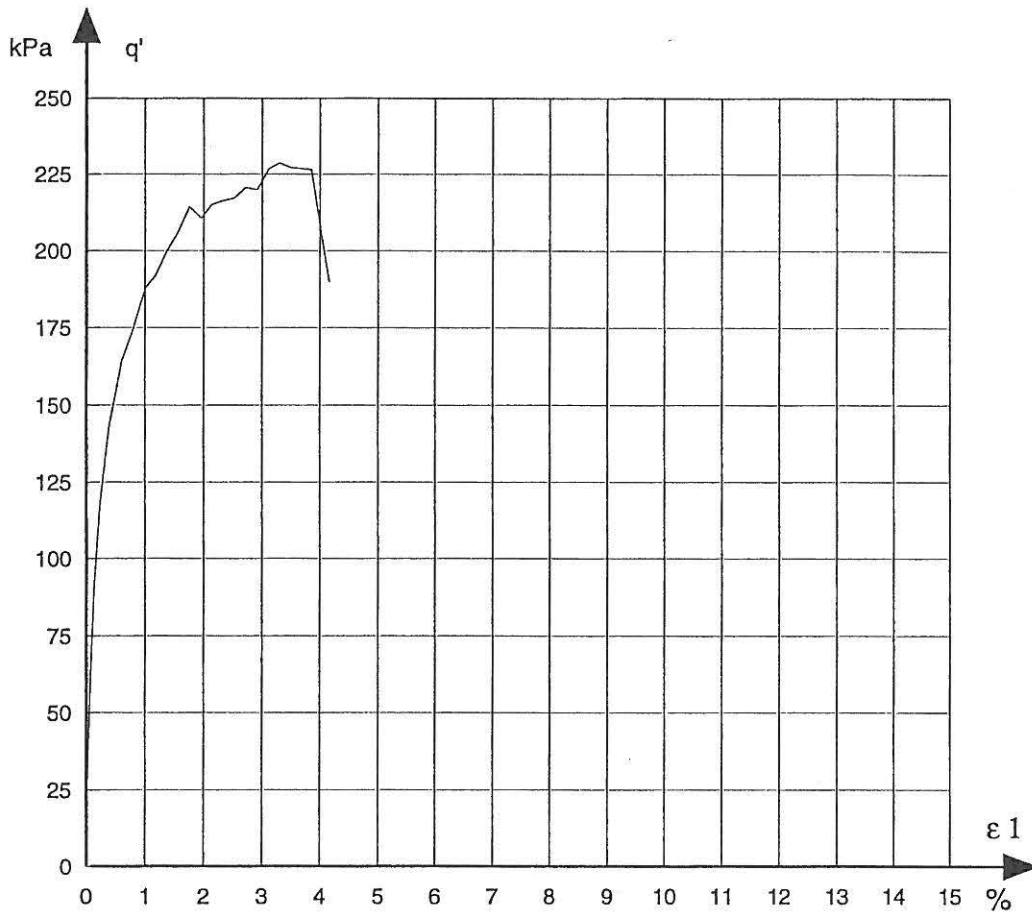
		Values at failure		Values for $\Delta\epsilon_v = 0$	
Deviator stress	q'	228.63	kPa	143.40	kPa
Mean normal stress	p'	155.01	kPa	126.60	kPa
Confining pressures	σ_3	78.80	kPa	78.80	kPa
Vertical strain	ϵ_1	3.31	%	0.39	%
Volumetric strain	ϵ_v	-1.26	%	0.07	%



q'	p'	ϵ_1	ϵ_v
3.90	80.10	0.00	0.00
13.30	83.23	0.00	0.02
39.41	91.94	0.04	0.02
65.49	100.63	0.08	0.02
91.55	109.32	0.13	0.04
117.55	117.98	0.23	0.06
143.40	126.60	0.39	0.07
163.87	133.42	0.59	0.06
173.94	136.78	0.78	0.06
188.01	141.47	1.01	0.06
191.83	142.74	1.16	0.04
199.68	145.36	1.36	0.04
205.97	147.46	1.56	0.04
214.29	150.23	1.75	0.04
210.61	149.00	1.95	-0.53
215.12	150.51	2.14	-0.61
216.44	150.95	2.34	-0.73
217.19	151.20	2.52	-0.90
220.70	152.37	2.72	-0.94
219.98	152.13	2.92	-1.06
226.87	154.42	3.11	-1.14
228.63	155.01	3.31	-1.26
227.21	154.54	3.50	-1.47
226.53	154.31	3.85	-1.63

Job:	Encl. No
Blokhus sand	77
Exc:	Check:
CSS	LB

Remark:
Error during measuring the volumetric strain.

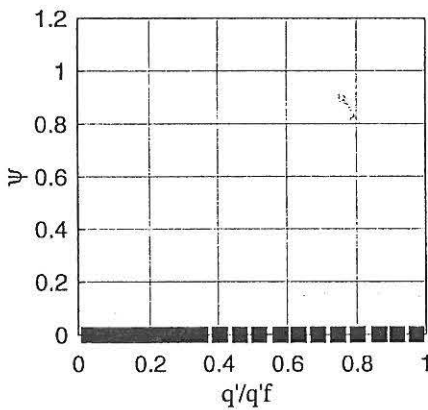
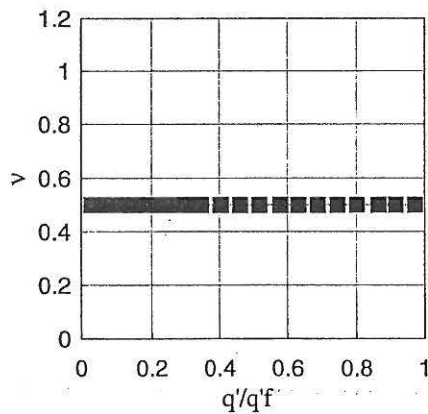


Job:	Blokhuis sand	Encl. No	78
Exc:	CSS	Check:	LB

Description of soil Blokhus sand		Water content %	0	Before test	At failure
		Grain density	2.65		
Calibration file	Date	Void ratio	0.546		
Loadtransducer 2000-2	16.05.79	Saturation	0		
		Dimension H mm	250		
		D mm	250		

TEST-PROGRAM	Drained compression.		
CU - Triaxial test. free ends	1. Isotropic compression.	σ_3	8-20 kPa
		ϵ_1	0.01 %
		ϵ_v	0.00 %
	2. Undrained compression.		
	Deformation rate:		1.0 % ph

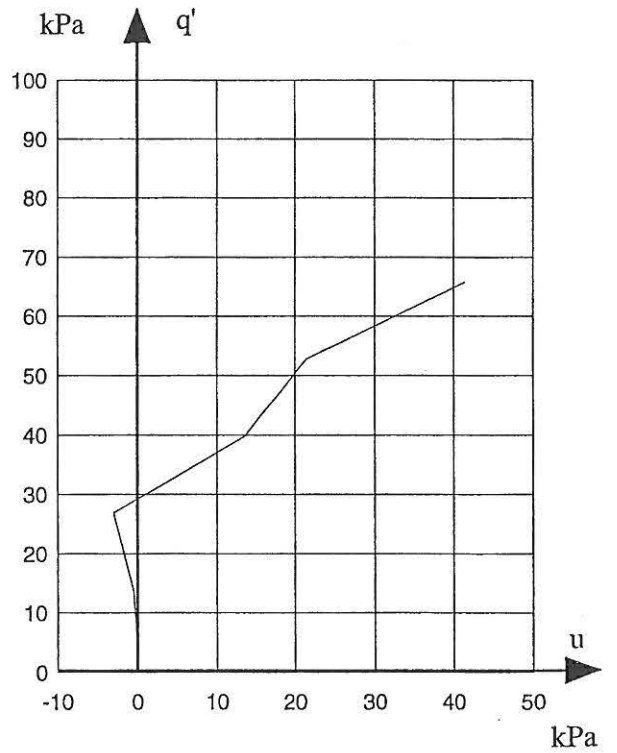
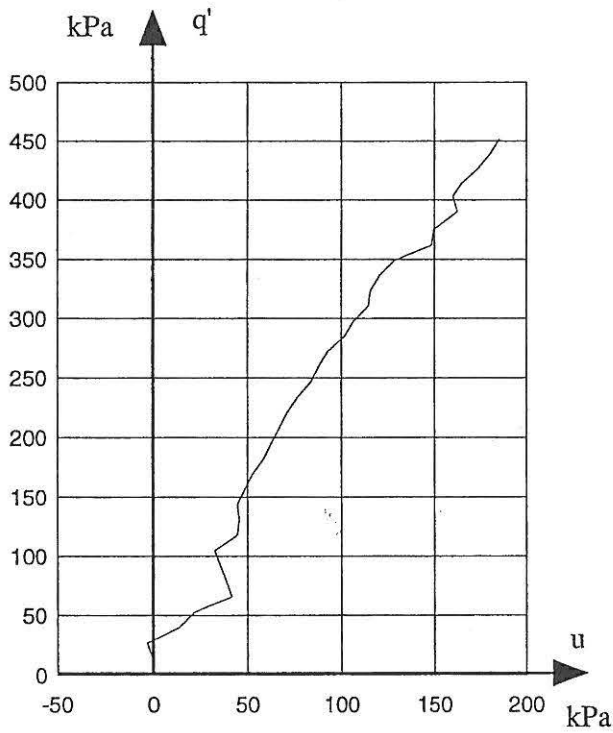
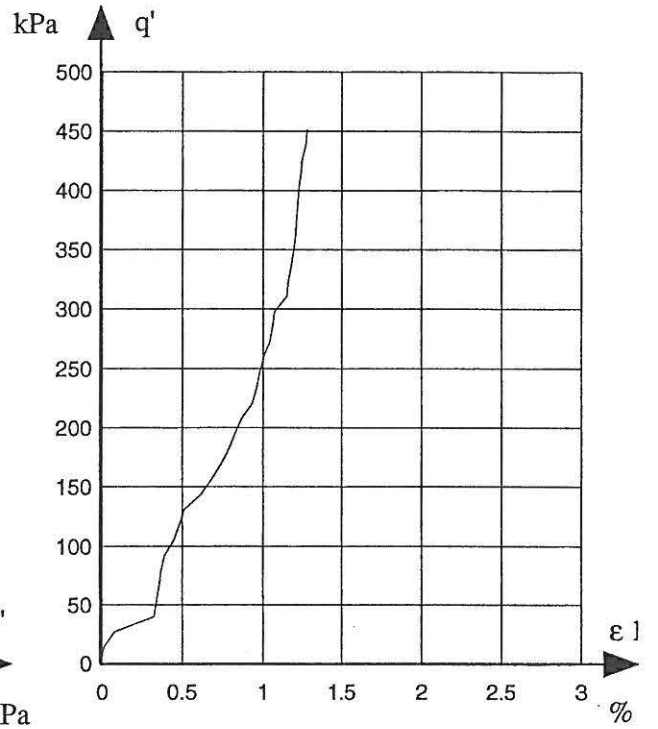
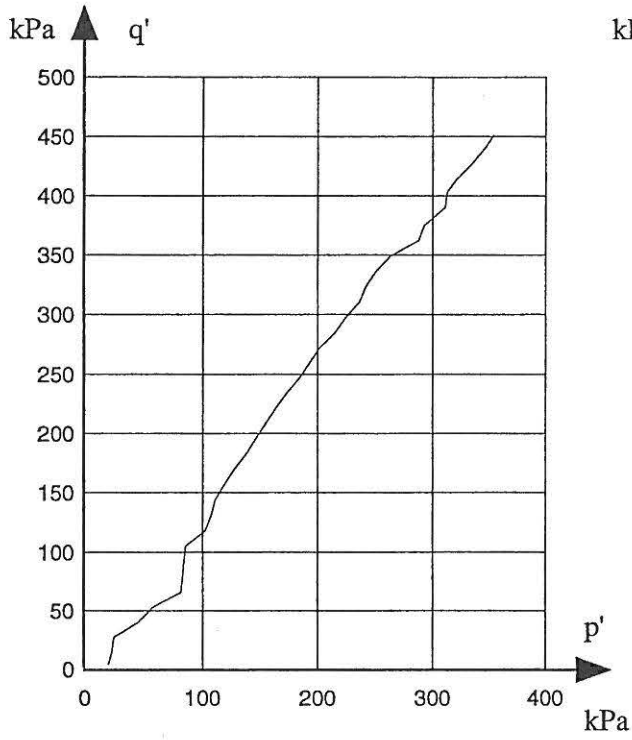
		Maximum values		Minimum values for σ_3	
Deviator stress	q'	451.88	kPa	26.86	kPa
Mean normal stress	p'	354.43	kPa	24.25	kPa
Confining pressures	σ_3	203.80	kPa	15.30	kPa
Vertical strain	ϵ_1	1.28	%	0.08	%
Volumetric strain	ϵ_v	0.00	%	0.00	%



q'	p'	ϵ_1	ϵ_v
3.90	19.60	0.00	0.00
13.82	22.41	0.01	0.00
26.86	24.25	0.08	0.00
39.81	45.07	0.32	0.00
52.81	57.40	0.34	0.00
65.81	81.74	0.36	0.00
78.81	83.07	0.37	0.00
91.80	84.40	0.39	0.00
104.75	85.72	0.45	0.00
117.70	102.03	0.48	0.00
130.66	107.35	0.51	0.00
143.50	110.63	0.61	0.00
156.37	118.92	0.68	0.00
182.11	137.50	0.79	0.00
207.85	154.58	0.87	0.00
233.52	172.64	0.96	0.00
261.84	194.08	1.01	0.00
284.95	214.78	1.06	0.00
310.51	236.30	1.15	0.00
336.23	250.88	1.18	0.00
361.93	287.44	1.20	0.00
390.25	310.88	1.22	0.00
413.38	320.59	1.24	0.00
439.02	345.14	1.27	0.00

Job:	Encl. No
Blokhus sand	79
Exc:	Check:
CSS, HSP	FRJ

Remark:



Job:	Encl. No
Blokhuis sand	80
Exc:	Check:
CSS, HPS	FRJ

