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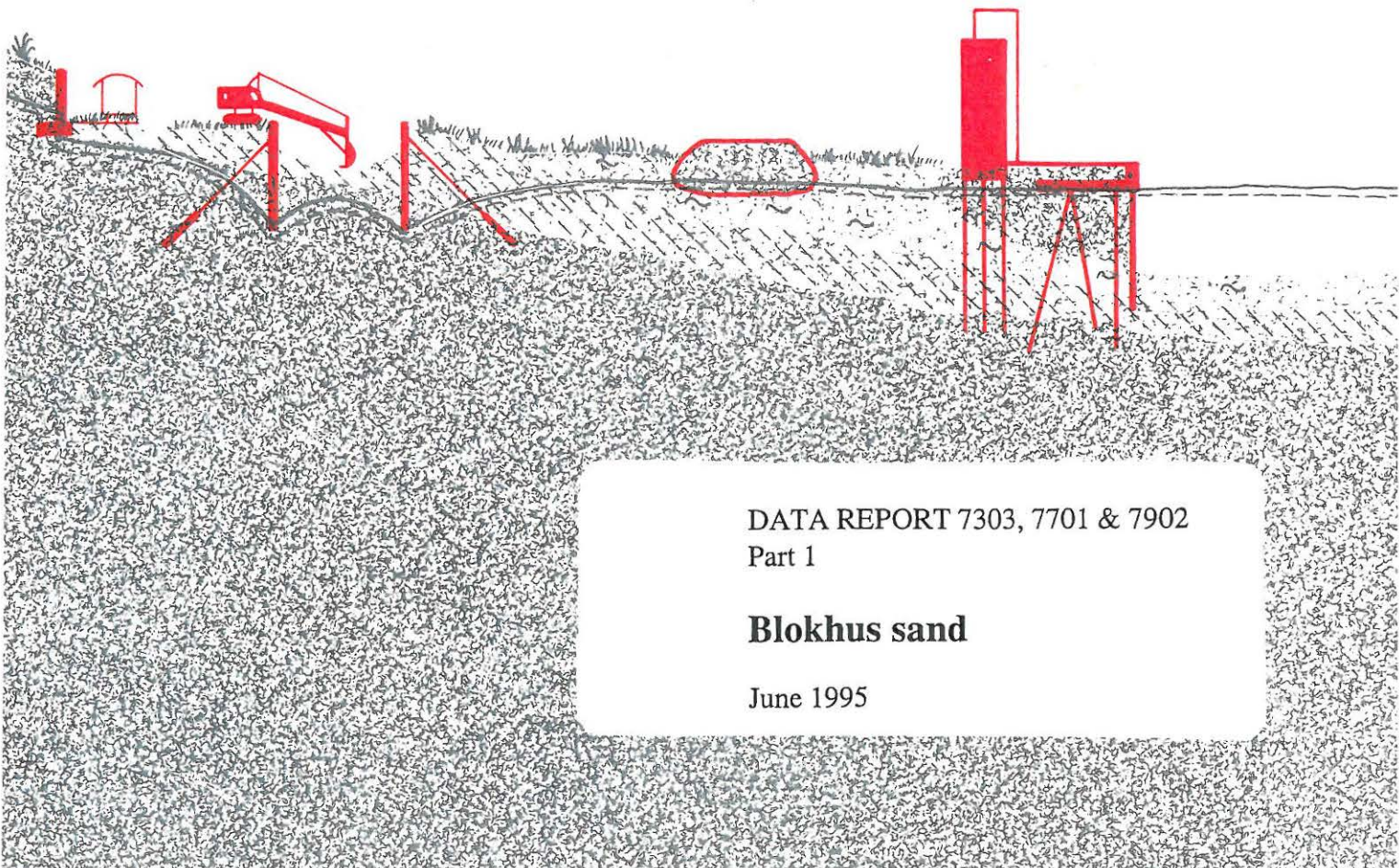
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DATA REPORT 7303, 7701 & 7902
Part 1

Blokhus sand

June 1995

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DATA REPORT 7303, 7701 & 7902
Part 1

Blokhush sand

June 1995

List of symbols.

Latin letters

- d = diameter of grain
 d_{10} = 10% fractile
 d_{50} = 50% fractile
 d_{60} = 60% fractile
 d_s = grain density
- e = void ratio
 e_0 = void ratio before test
 e_f = void ratio at failure
 e_{max} = maximum void ratio
 e_{min} = minimum void ratio
- I_D = density index
- p = mean stress = $1/3(\sigma_1+2\sigma_3)$
- q = deviatoric stress = $\sigma_1-\sigma_3$
- S_w = saturation
- ' = effective stress

Greek letters

- ϵ = strain
 ϵ_1 = vertical strain
 ϵ_v = volumetric strain = $\epsilon_1+2\epsilon_3$
 ϵ_r = shear strain = $2/3(\epsilon_1-\epsilon_3)$
- σ = stress
 σ_1 = vertical stress
 σ_3 = confining pressure
- ν = Poisson's ratio = $\frac{\Delta\epsilon_1-\Delta\epsilon_v}{2\Delta\epsilon_1}$
- ψ = angle of dilatation = $\sin^{-1}\left(\frac{\Delta\epsilon_v}{\Delta\epsilon_v-2\Delta\epsilon_1}\right)$
- ' = effective stress

Introduction.

During the last 20 years the Soil Mechanics Laboratory at Aalborg University has performed tests with a sand called Blokhús sand. Blokhús sand is a beach sand and therefore the grains are round. The main part of Blokhús sand is quarts, but it also contains a minor part of feldspar, hornblende and muscovite.

For classification of Blokhús sand the following tests have been performed:

- Sieve test.
- Grain density, d_s .
- Maximum, e_{max} , and minimum, e_{min} , void ratio.

To determine the strength parameters of Blokhús sand some drained and undrained triaxial tests have been performed in the Danish Triaxial Cell. The Danish Triaxial Cell prescribes smooth pressure heads and cylindrical specimens with equal height and diameter.

Classification of the sand.

From sieve tests the following parameters have been determined /Blanár J. et al., 1993/ :

- $d_{50} = 0.168$
- $d_{60}/d_{10} = 1.26$

The distribution of the grains is illustrated in figure 1.

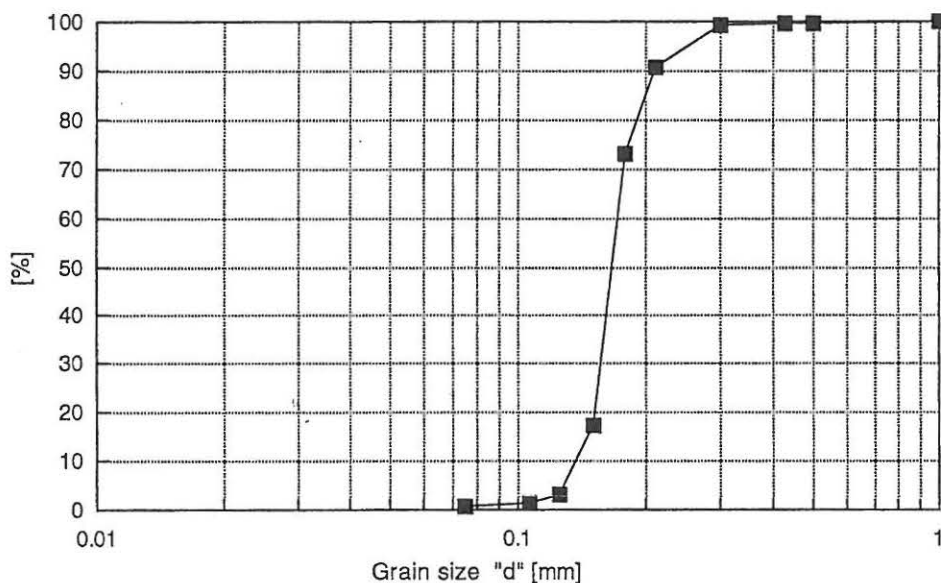


Figure 1 Distribution of the grains for Blokhús sand.

The grain density, maximum and minimum void ratios have been determined to /Blanár J. et al., 1993/ :

- $d_s = 2.65$
- $e_{max} = 0,834$
- $e_{min} = 0,564$

All the tests have been performed according to the standard procedures used in the laboratory.

Triaxial tests.

The triaxial tests have been performed in the Soil Mechanics Laboratory. These tests have been performed with a cylindrical specimen with height = diameter = 70 mm and with height = diameter = 250 mm. In order to create homogeneous stress and deformation conditions in the specimens smooth pressure heads are also used.

To investigate the strength parameters of the sand three series of triaxial tests have been performed with 70*70 mm specimens and one series of triaxial tests with 250*250 mm specimens. The three series with 70*70 specimens have been performed with three different void ratios ranging from a loose specimen to a dense specimen. The series with 250*250 mm specimens have only been performed with a dense specimen. The triaxial tests with a dense specimen have been performed with dry sand while the rest of the series have been performed with saturated sand.

Besides the strength parameters at failure the parameters to describe the characteristic state will also be investigated. This state is defined as $\delta\varepsilon_v=0$ and is called the characteristic line CL.

Drained triaxial tests

The performed drained triaxial tests with 70*70 mm specimens are listed in table 1 where the test number, void ratio and stress level also are typed.

Stress level, σ_3' [kPa]	Void ratio, $e=0.72$	Void ratio, $e=0.59$	Void ratio, $e=0.55$
2.50	7303.41, 7303.43, 7303.46	7303.21, 7303.22	7701.24, 7701.25
5.00	7303.38, 7303.39	7303.18 - 7303.20	7701.22, 7701.23
10.00	7303.35, 7303.37	7303.14 - 7303.16	7701.19 - 7701.21
20.00	7303.28, 7303.22, 7303.32	7303.12, 7303.14	7701.15 - 7701.18
50.00	7303.44, 7303.45	7303.10, 7303.11	7701.04 - 7701.06
100.00	7303.40, 7303.42	7303.08, 7303.09	7701.01 - 7701.03, 7701.08
200.00	7303.34, 7303.36	7303.06, 7303.07	7701.09, 7701.10
400.00	7303.25-7303.27, 7303.29, 7303.31, 7303.33	7303.02, 7303.03	7701.11, 7701.12
800.00	7303.23, 7303.24	7303.04, 7303.05	7701.13, 7701.14

Table 1 Test numbers for the performed drained tests with 70*70 mm specimens.

The drained triaxial tests performed with 250*250 mm specimens are listed in table 2.

Stress level, σ_3' [kPa]	Void ratio, $e=0.55$
10.00	7902.02 - 7902.06
20.00	7902.07, 7902.08
40.00	7902.09 - 7902.13
80.00	7902.14 - 7902.16

Table 2 Test numbers for the performed drained tests with 250*250 mm specimens.

The main results from the performed tests are listed in the following tables. Two tables are connected to each test series. One for values at failure and one for values at $\delta\varepsilon_v = 0$.

Test series CD, $I_d=0.90$				Values at failure					
Test No	e_0	e_r	S_w	σ_3' kPa	p' kPa	q' kPa	ε_1 %	ε_v %	ε_q %
7303.21	0.58	0.68		2.50	9.07	19.70	6.88	-6.15	8.93
7303.22	0.59	0.66	0.97	2.50	8.04	16.61	5.34	-4.93	6.98
7303.18	0.60	0.72	0.98	5.00					
7303.19	0.57	0.67	1.00	5.00	14.75	29.26	7.25	-6.06	9.27
7303.20	0.57	0.69	0.99	5.00	15.42	31.27	8.07	-7.24	10.48
7303.14	0.58	0.65	0.99	10.00	24.56	43.68	5.96	-4.55	7.48
7303.15	0.59	0.66	0.99	10.00	27.07	51.22	5.64	-4.08	7.00
7303.16	0.64	0.69	0.98	10.00	25.66	46.97	5.18	-3.03	6.19
7303.12	0.58	0.64	1.00	20.00	49.62	88.85	5.97	-4.15	7.35
7303.13	0.57	0.65	0.97	20.00	49.06	87.17	6.31	-4.62	7.85
7303.10	0.61	0.66	0.93	50.00	108.68	176.04	6.41	-3.45	7.56
7303.11	0.57	0.64	0.99	50.00	113.05	189.14	6.40	-4.11	7.77
7303.08	0.59	0.64	0.98	100.00	212.81	338.43	6.54	-3.54	7.72
7303.09	0.57	0.62	0.98	100.00	215.20	345.60	5.16	-2.89	6.12
7303.06	0.60	0.65	0.96	199.50	403.16	610.97	6.46	-2.71	7.36
7303.07	0.58	0.63	0.97	200.00	416.67	650.00	6.40	-3.21	7.47
7303.01	0.60	0.60	1.01	400.00					
7303.02	0.59	0.64	1.00	400.00	784.42	1153.25	7.23	-3.01	8.23
7303.03	0.60	0.65	0.94	400.00	782.38	1147.15	7.27	-2.78	8.20
7303.04	0.62	0.66	0.95	800.00	1506.79	2120.36	8.12	-2.04	8.80
7303.05	0.62	0.65	0.95	800.00	1509.96	2129.89	7.44	-1.93	8.08

Table 3.a Values at failure for Blokhuis sand with I_D equal to 0.90, and with 70*70 mm specimens.

Test series CD, $I_D=0.90$				Values at $\delta\varepsilon_v=0$					
Test No	e_0	e_r	S_w	σ_3' kPa	p' kPa	q' kPa	ε_1 %	ε_v %	ε_q %
7303.21	0.58	0.68		2.50	3.25	2.24	0.00	0.00	0.00
7303.22	0.59	0.66	0.97	2.50	3.25	2.24	0.00	0.00	0.00
7303.18	0.60	0.72	0.98	5.00	8.08	9.23	0.12	0.00	0.12
7303.19	0.57	0.67	1.00	5.00	6.52	4.56	0.04	0.02	0.03
7303.20	0.57	0.69	0.99	5.00	6.52	4.57	0.03	0.02	0.02
7303.14	0.58	0.65	0.99	10.00	14.29	12.87	0.07	0.04	0.06
7303.15	0.59	0.66	0.99	10.00	16.09	18.26	0.16	0.04	0.15
7303.16	0.64	0.69	0.98	10.00	16.00	18.00	0.19	0.04	0.18
7303.12	0.58	0.64	1.00	20.00	31.82	35.47	0.22	0.04	0.21
7303.13	0.57	0.65	0.97	20.00	31.83	35.48	0.19	0.04	0.18
7303.10	0.61	0.66	0.93	50.00	73.98	70.98	0.20	0.07	0.18
7303.11	0.57	0.64	0.99	50.00	73.75	71.24	0.20	0.07	0.18
7303.08	0.59	0.64	0.98	100.00	154.37	163.11	0.48	0.07	0.46
7303.09	0.57	0.62	0.98	100.00	157.82	173.45	0.43	0.07	0.41
7303.06	0.60	0.65	0.96	199.50	305.63	318.40	0.70	0.14	0.65
7303.07	0.58	0.63	0.97	200.00	306.75	320.24	0.59	0.11	0.55
7303.01	0.60	0.60	1.01	400.00	596.38	589.13	0.96	0.17	0.90
7303.02	0.59	0.64	1.00	400.00	596.50	589.50	0.95	0.11	0.92
7303.03	0.60	0.65	0.94	400.00	596.60	589.79	1.13	0.23	1.05
7303.04	0.62	0.66	0.95	800.00	1210.72	1231.72	1.71	0.25	1.63
7303.05	0.62	0.65	0.95	800.00	1210.21	1230.63	1.56	0.23	1.48

Table 3.b Values at $d\varepsilon_v = 0$ for Blokhuis sand with I_D equal to 0.90, and with 70*70 mm specimens.

Test series CD $I_D=0.43$				Values at failure					
Test No	e_0	e_r	S_w	σ_3' kPa	p' kPa	q' kPa	ϵ_1 %	ϵ_v %	ϵ_q %
7303.41	0.65	0.71	1.02	1.85	5.80	11.85	7.84	-3.90	9.14
7303.46	0.68	0.72	0.94	1.85	7.68	17.48	4.28	-2.35	5.06
7303.43	0.77	0.84	0.94	2.50					
7303.38	0.74	0.79	0.96	4.35	10.44	18.27	8.19	-2.80	9.12
7303.39	0.68	0.74	0.96	4.35	11.75	22.20	6.04	-3.45	7.19
7303.35	0.70	0.75	0.92	10.00	24.37	45.05	5.26	-2.85	6.21
7303.37	0.72	0.78	0.95	10.00	22.28	38.80	9.45	-3.30	10.55
7303.28	0.72	0.77	0.84	20.00	42.49	67.48	6.23	-2.42	7.04
7303.30	0.74	0.77	0.96	20.00	40.98	62.94	6.71	-2.06	7.40
7303.32	0.70	0.76	0.90	20.00	44.33	73.00	7.19	-3.45	8.34
7303.44	0.74	0.78	0.89	50.00	98.29	144.86	6.99	-2.24	7.74
7303.45	0.69	0.72	0.93	50.00	102.74	158.23	5.22	-2.11	5.92
7303.40	0.73	0.77	0.96	100.00	187.75	263.25	10.78	-2.51	11.61
7303.42	0.76	0.79	0.89	100.00	186.33	259.00	7.57	-1.80	8.17
7303.34	0.72	0.75	0.98	200.00					
7303.36	0.73	0.77	0.89	200.00	378.42	535.27	7.88	-1.97	8.54
7303.25	0.68	0.70	0.97	400.00	723.80	971.39	8.35	-1.25	8.77
7303.26	0.70	0.69	1.01	400.00					
7303.27	0.72	0.72	0.96	400.00					
7303.29	0.74	0.74	0.94	400.00					
7303.31	0.76	0.76	0.96	400.00					
7303.33	0.72	0.73	0.95	400.00					
7303.23	0.71	0.73	0.93	800.00	1390.12	1770.35	10.47	-0.88	10.76
7303.24	0.70	0.72	0.97	800.00	1418.56	1855.69	9.96	-0.99	10.29

Table 4.a Values at failure for Blokhuis sand with I_D equal to 0.43 and with 70*70 mm specimens.

Test series CD $I_d=0.43$				Values at $\delta\varepsilon_v=0$					
Test No	e_0	e_r	S_w	σ_3' kPa	p' kPa	q' kPa	ε_1 %	ε_v %	ε_q %
7303.41	0.65	0.71	1.02	1.85	2.61	2.29	0.07	0.00	0.07
7303.46	0.68	0.72	0.94	1.85	3.41	4.68	0.08	0.00	0.08
7303.43	0.77	0.84	0.94	2.50	3.01	3.48	0.27	0.00	0.27
7303.38	0.74	0.79	0.96	4.35	4.73	1.14	0.00	0.00	0.00
7303.39	0.68	0.74	0.96	4.35	5.52	3.50	0.00	0.00	0.00
7303.35	0.70	0.75	0.92	10.00	14.45	15.30	0.13	0.02	0.12
7303.37	0.72	0.78	0.95	10.00	13.64	12.88	0.20	0.04	0.19
7303.28	0.72	0.77	0.84	20.00	30.18	30.54	0.21	0.05	0.19
7303.30	0.74	0.77	0.96	20.00	29.92	29.76	0.26	0.05	0.24
7303.32	0.70	0.76	0.90	20.00	26.18	18.53	0.08	0.04	0.07
7303.44	0.74	0.78	0.89	50.00	78.08	84.23	0.35	0.07	0.33
7303.45	0.69	0.72	0.93	50.00	78.06	84.17	0.44	0.09	0.41
7303.40	0.73	0.77	0.96	100.00	157.79	173.38	0.87	0.14	0.82
7303.42	0.76	0.79	0.89	100.00	153.57	160.70	0.75	0.13	0.71
7303.34	0.72	0.75	0.98	200.00	312.00	336.01	1.00	0.20	0.93
7303.36	0.73	0.77	0.89	200.00	311.95	335.85	1.01	0.16	0.96
7303.25	0.68	0.70	0.97	400.00	606.92	620.77	1.44	0.22	1.37
7303.26	0.70	0.69	1.01	400.00	622.17	666.51	4.93	0.63	4.72
7303.27	0.72	0.72	0.96	400.00	618.08	654.25	1.98	0.29	1.88
7303.29	0.74	0.74	0.94	400.00	618.59	655.76	1.66	0.29	1.56
7303.33	0.72	0.73	0.95	400.00	640.46	721.38	1.68	0.27	1.59
7303.31	0.76	0.76	0.96	400.00	618.59	655.77	1.82	0.36	1.70
7303.23	0.71	0.73	0.93	800.00	1246.36	1339.09	3.97	0.33	3.86
7303.24	0.70	0.72	0.97	800.00	1269.89	1409.67	2.78	0.36	2.66

Table 4.b Values at $d\varepsilon_v = 0$ for Blokhuis sand with I_D equal to 0.43, and with 70*70 mm specimens.

Test series CD $I_D=1.06$				Values at failure					
Test No	e_0	e_f	S_w	σ'_3 kPa	p' kPa	q' kPa	ϵ_1 %	ϵ_v %	ϵ_q %
7701.24	0.55	0.65	0.00	2.50	10.10	22.80	6.87	-6.28	8.96
7701.25	0.54	0.63	0.00	2.50	9.70	21.60	6.96	-6.03	8.97
7701.22	0.55	0.64	0.00	5.00	16.00	32.90	6.47	-5.81	8.41
7701.23	0.54	0.62	0.00	5.00	15.80	32.50	6.24	-5.05	7.92
7701.19	0.53	0.63	0.00	8.00	22.70	44.20	6.51	-4.98	8.17
7701.20	0.56	0.64	0.00	8.00	22.00	41.90	6.51	-4.98	8.17
7701.21	0.55	0.62	0.00	8.00	22.40	43.10	5.82	-4.58	7.35
7701.15	0.55	0.62	0.00	20.00	52.30	97.00	5.06	-4.20	6.46
7701.16	0.56	0.62	0.00	20.00	47.30	82.00	6.56	-3.75	7.81
7701.17	0.53	0.59	0.00	20.00	47.90	83.83	5.91	-3.97	7.23
7701.18	0.57	0.63	0.00	20.00	50.60	91.80	5.04	-3.68	6.27
7701.04	0.53	0.59	0.00	50.00	126.80	230.50	5.00	-4.08	6.36
7701.05	0.52	0.58	0.00	50.00	125.70	227.20	5.08	-3.92	6.39
7701.06	0.54	0.60	0.00	50.00	124.30	222.80	5.25	-4.26	6.67
7701.07	0.55	0.62	0.00	50.00	122.80	218.50	6.10	-4.69	7.66
7701.01	0.59	0.65	0.96	100.00					
7701.02	0.58	0.62	0.00	100.00	234.80	404.50	4.71	-2.94	5.69
7701.03	0.55	0.61	0.00	100.00	234.30	429.90	5.26	-3.65	6.48
7701.08	0.55	0.62	0.00	100.00	235.90	407.70	6.41	-4.57	7.93
7701.09	0.55	0.60	0.00	200.00	464.60	793.90	6.11	-3.46	7.26
7701.10	0.55	0.60	0.00	200.00	456.80	770.30	6.71	-3.68	7.94
7701.11	0.55	0.60	0.00	400.00	888.80	1466.50	7.72	-3.68	8.95
7701.12	0.54	0.60	0.00	400.00	900.30	1500.80	7.34	-3.54	8.52
7701.13	0.55	0.60	0.00	800.00	1729.30	2788.00	7.67	-3.03	8.68

Table 5.a Values at failure for Blokhuis sand with I_D equal to 1.06 and with 70*70 mm specimens.

Test series CD $I_d=1.06$				Values at $\delta\varepsilon_v=0$					
Test No	e_0	e_r	S_w	σ_3' kPa	p' kPa	q' kPa	ε_1 %	ε_v %	ε_q %
7701.24	0.55	0.65	0.00	2.50	3.90	4.20	0.07	0.04	0.06
7701.25	0.54	0.63	0.00	2.50	3.90	4.30	0.05	0.00	0.05
7701.22	0.55	0.64	0.00	5.00	6.40	4.30	0.01	0.00	0.01
7701.23	0.54	0.62	0.00	5.00	8.50	10.60	0.29	0.04	0.28
7701.19	0.53	0.63	0.00	8.00	14.30	18.90	0.32	0.00	0.32
7701.20	0.56	0.64	0.00	8.00	14.30	18.90	0.29	0.00	0.29
7701.21	0.55	0.62	0.00	8.00	11.90	11.60	0.12	0.00	0.12
7701.15	0.55	0.62	0.00	20.00	38.10	54.20	0.49	0.04	0.48
7701.16	0.56	0.62	0.00	20.00	33.50	40.50	0.55	0.16	0.50
7701.17	0.53	0.59	0.00	20.00	35.90	47.70	0.47	0.04	0.46
7701.18	0.57	0.63	0.00	20.00	33.50	40.60	0.32	0.04	0.31
7701.04	0.53	0.59	0.00	50.00	90.00	122.60	0.50	0.07	0.48
7701.05	0.52	0.58	0.00	50.00	82.50	97.60	0.40	0.11	0.36
7701.06	0.54	0.60	0.00	50.00	90.00	122.70	0.52	0.04	0.51
7701.07	0.55	0.62	0.00	50.00	91.00	122.90	0.64	0.07	0.62
7701.01	0.59	0.65	0.96	100.00	166.60	199.79	0.64	0.11	0.60
7701.02	0.58	0.62	0.00	100.00	175.00	225.00	0.67	0.07	0.65
7701.03	0.55	0.61	0.00	100.00	175.00	225.10	0.69	0.11	0.65
7701.08	0.55	0.62	0.00	100.00	167.20	201.60	0.69	0.05	0.67
7701.09	0.55	0.60	0.00	200.00	324.90	374.70	0.86	0.14	0.81
7701.10	0.55	0.60	0.00	200.00	324.50	373.40	1.02	0.04	1.01
7701.11	0.55	0.60	0.00	400.00	678.50	835.60	2.14	0.18	2.08
7701.12	0.54	0.60	0.00	400.00	679.10	837.20	2.14	0.14	2.09
7701.13	0.55	0.60	0.00	800.00	1312.90	1538.80	2.64	0.25	2.56

Table 5.b Values at $d\varepsilon_v = 0$ for Blokhuis sand with I_D equal to 1.06, and with 70*70 mm specimens.

Test series CD $I_D=1.05$				Values at failure					
Test No	e_0	e_r	S_w	σ_3' kPa	p' kPa	q' kPa	ϵ_1 %	ϵ_v %	ϵ_q %
7902.02	0.63	0.66	0.00	6.40					
7902.03	0.52	0.60	0.00	6.50	17.20	32.10	5.29	-4.85	6.10
7902.04	0.55	0.61	0.00	6.20	15.71	28.23	4.80	-3.54	5.98
7902.05	0.54	0.58	0.00	6.70	16.94	30.73	4.80	-2.97	5.79
7902.06	0.54	0.59	0.00	6.50	16.07	28.70	4.86	-3.83	6.14
7902.07	0.55	0.60	0.00	18.80	42.51	71.14	4.79	-3.26	5.88
7902.08	0.54	0.59	0.00	18.80	41.59	68.38	4.65	-3.14	5.70
7902.09	0.56	0.57	0.00	38.80					
7902.10	0.55	0.55	0.00	43.00	93.86	150.26	3.65	-1.97	4.31
7902.11	0.54	0.56	0.00	38.80					
7902.12	0.56	0.59	0.00	43.00	77.10	116.07	3.75	-1.79	4.34
7902.13	0.54	0.60	0.00	38.80	81.94	129.43	6.19	-3.81	7.46
7902.14	0.56	0.56	0.00	80.00					
7902.15	0.55	0.57	0.00	78.80					
7902.16	0.54	0.56	0.00	78.80	155.01	228.63	3.31	-1.26	3.73

Table 6.a Values at failure for Blokhuis sand with I_D equal to 1.05 and with 250*250 mm specimens

Test series CD $I_D=1.05$				Values at $\delta\epsilon_v=0$					
Test No	e_0	e_r	S_w	σ_3' kPa	p' kPa	q' kPa	ϵ_1 %	ϵ_v %	ϵ_q %
7902.02	0.63	0.66	0.00	6.40	7.43	3.70	0.00	0.00	0.00
7902.03	0.52	0.60	0.00	6.20	7.53	4.00	0.00	0.00	0.00
7902.04	0.55	0.61	0.00	6.20	11.39	15.57	0.14	0.00	0.14
7902.05	0.54	0.58	0.00	6.50	11.71	15.63	0.13	0.00	0.13
7902.06	0.54	0.59	0.00	6.50	11.63	15.99	0.15	0.00	0.15
7902.07	0.55	0.60	0.00	18.80	31.80	38.99	0.20	0.00	0.20
7902.08	0.54	0.59	0.00	18.80	32.04	39.73	0.22	0.00	0.22
7902.09	0.56	0.57	0.00	38.80	65.35	79.64	0.35	0.04	0.34
7902.10	0.55	0.55	0.00	38.80	65.30	79.49	0.28	0.04	0.27
7902.11	0.54	0.56	0.00	38.80	61.95	69.44	0.30	0.04	0.29
7902.12	0.56	0.59	0.00	38.80	65.25	79.36	0.42	0.01	0.42
7902.13	0.54	0.60	0.00	38.80	65.29	79.46	0.34	0.06	0.32
7902.14	0.56	0.56	0.00	80.00	138.85	176.54	1.01	0.01	1.01
7902.15	0.55	0.57	0.00	78.80	117.95	117.44	0.25	0.07	0.23
7902.16	0.54	0.56	0.00	78.80	126.60	143.40	0.39	0.07	0.37

Table 6.b Values at $\delta\epsilon_v=0$ for Blokhuis sand with I_D equal to 1.05, and with 250*250 mm specimens.

The tables 3a, 3b, 4a, 4b, 5a, 5b, 6a and 6.b will form the basis of the interpretation of the parameters to describe the strength of Blokhuis sand.

Undrained triaxial tests, $CU_{u=0}$.

The main results from the performed undrained triaxial tests are listed in the following table. Only three undrained tests have been performed, two with 70*70 mm specimen (Test No 7303.50 and 7303.51) and one with 250*250 mm specimen (Test No 7902.17). The tests are performed as $CU_{u=0}$ tests, and the volume of the specimens are therefor constant.

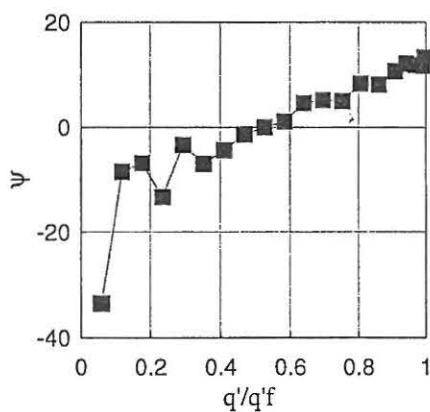
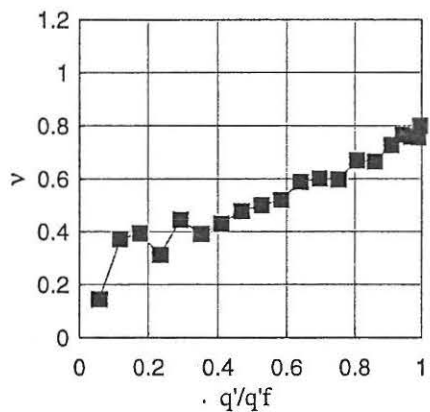
Test series $CU_{u=0}$			Values at start			Values for minimum of σ_3					
Test No	e_0	S_w	σ_3' kPa	p' kPa	q' kPa	σ_3' kPa	p' kPa	q' kPa	ϵ_1 %	ϵ_q %	ϵ_v %
7303.50	0.74	0.91	101.00	101.00	0.00	69.50	100.30	92.40	0.23	0.00	0.23
7303.51	0.71	0.96	50.50	50.50	0.00	35.00	55.04	60.13	0.32	0.00	0.32
7902.17	0.55	0.00	18.30	19.60	3.90	15.30	24.25	26.86	0.08	0.00	0.08

Table 7 Characteristic values to describe the undrained triaxial tests, $CU_{u=0}$.

Description of soil Blokhus sand		Water content %	Before test	At failure
		Grain density	23	
Calibration file	Date	Void ratio	2.65	0.636
Loadtransducer 5001	08.05.73	Saturation	0.602	
		Dimension H mm	1.01	
		Dimension D mm	72	
			70	

TEST-PROGRAM	Drained compression.		
CD - Triaxial test. free ends	1. Isotropic compression.	σ_3	50-400 kPa
		ϵ_1	0.09 %
		ϵ_v	0.43 %
	2. Drained compression.		
	Deformation rate:		9.6 % ph

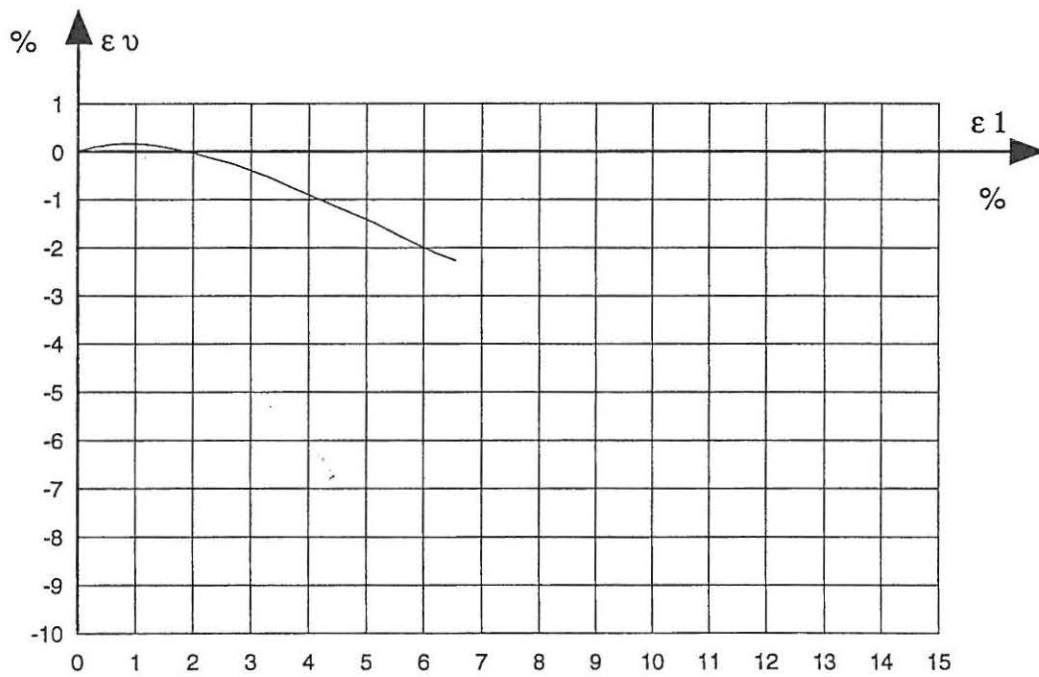
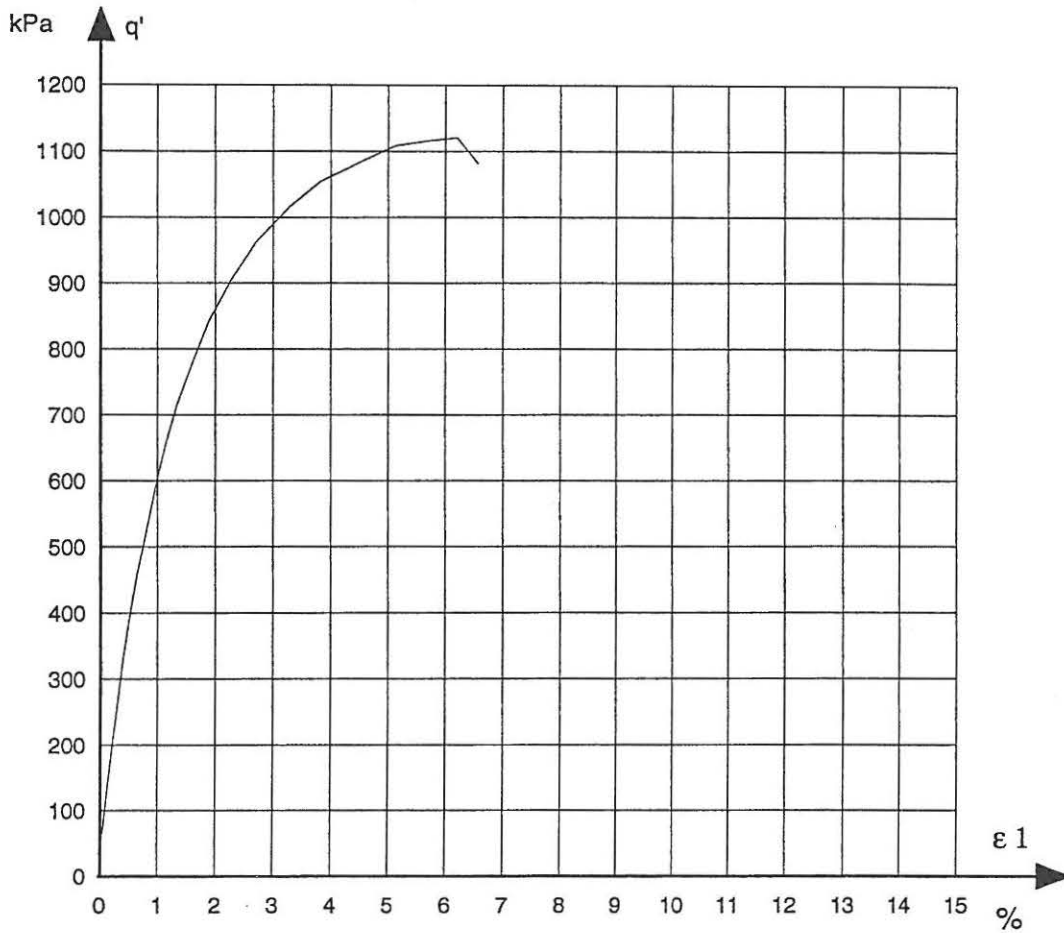
		Values at failure	Values for $\Delta \epsilon_v = 0$
Deviator stress	q'		589.13 kPa
Mean normal stress	p'		596.38 kPa
Confining pressures	σ_3		400.00 kPa
Vertical strain	ϵ_1		0.96 %
Volumetric strain	ϵ_v		0.17 %



q'	p'	ϵ_1	ϵ_v
64.60	421.53	0.00	0.00
64.56	421.52	0.05	0.04
130.64	443.55	0.12	0.05
196.62	465.54	0.21	0.07
262.53	487.51	0.30	0.11
328.27	509.42	0.40	0.12
393.88	531.29	0.52	0.14
459.28	553.09	0.64	0.16
524.32	574.77	0.80	0.17
589.13	596.38	0.96	0.17
653.53	617.84	1.14	0.16
717.29	639.10	1.34	0.13
780.09	660.03	1.61	0.07
842.36	680.79	1.89	0.02
902.70	700.90	2.26	-0.11
961.59	720.53	2.70	-0.25
1016.77	738.92	3.30	-0.52
1054.26	751.42	3.84	-0.81
1082.83	760.94	4.50	-1.15
1108.58	769.53	5.13	-1.48
1115.54	771.85	5.67	-1.80
1120.30	773.43	6.21	-2.11
1080.38	760.13	6.57	-2.27

Job: Blokhus sand	Encl. No 1
Exc: HSP	Check: LB

Remark:
The specimen slipped out before failure.

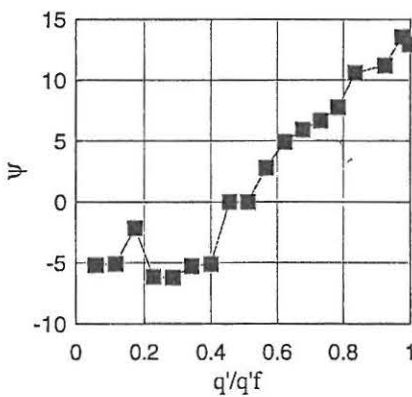
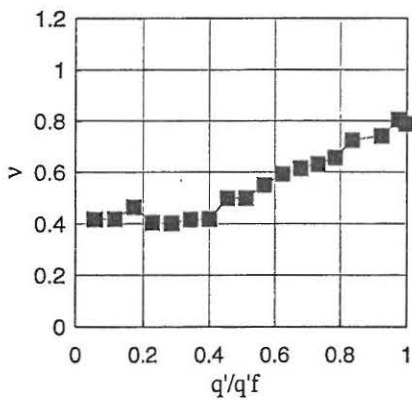


Job: Blokhus sand	Encl. No 2
Exc: HSP	Check: LB

Description of soil Blokhus sand		Water content %	Before test	At failure
		Grain density	23	
Calibration file	Date	Void ratio	0.590	0.638
Loadtransducer 5001	09.05.73	Saturation	1	
		Dimension H mm	72	
		D mm	70	

TEST-PROGRAM	Drained compression.		
CD - Triaxial test. free ends	1. Isotropic compression.	σ_3	50-400 kPa
		ϵ_1	0.11 %
		ϵ_v	0.43 %
	2. Drained compression.		
	Deformation rate:		9.6 % ph

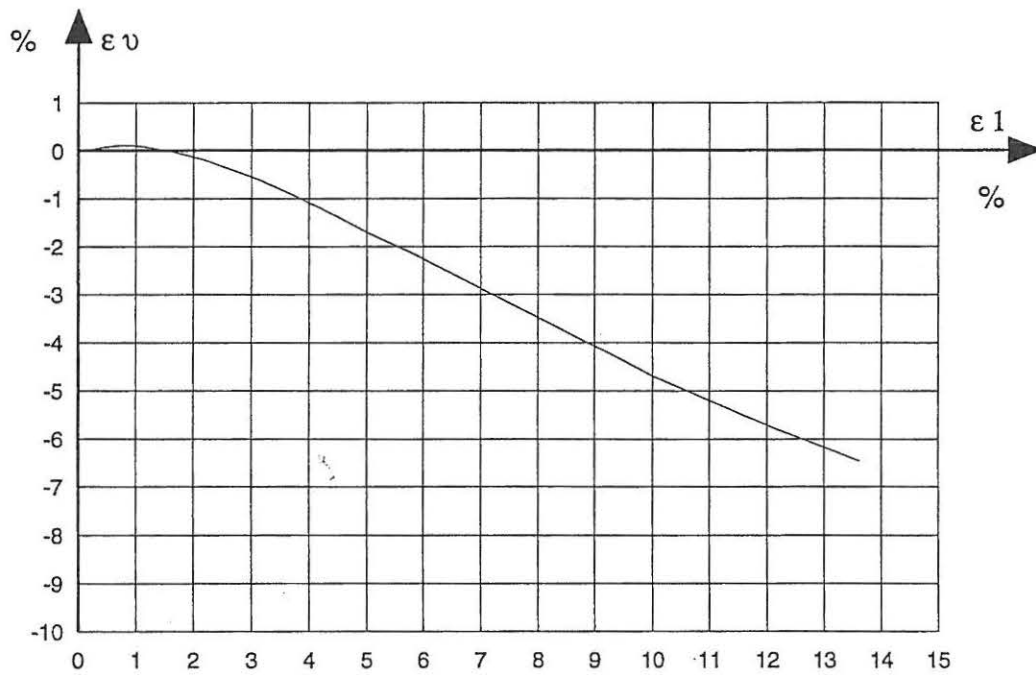
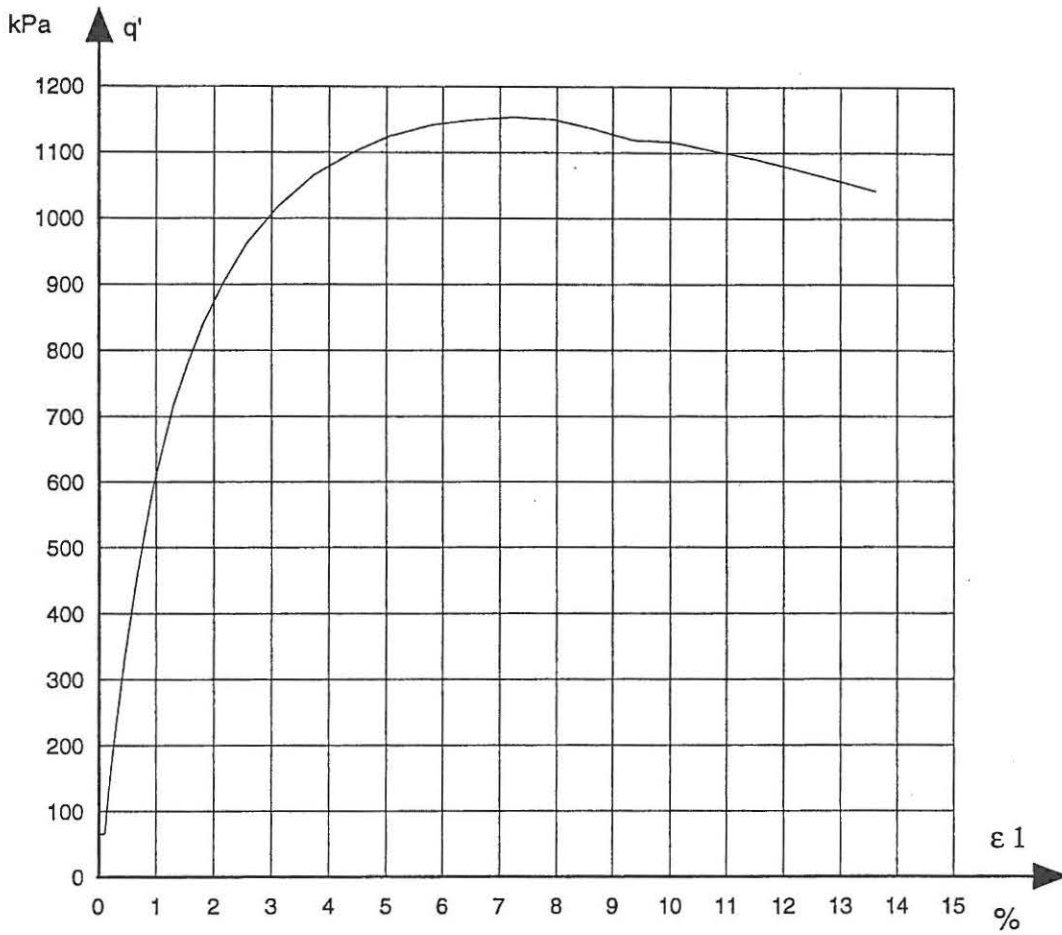
		Values at failure		Values for $\Delta\epsilon_v = 0$	
Deviator stress	q'	1153.25	kPa	589.50	kPa
Mean normal stress	p'	784.42	kPa	596.50	kPa
Confining pressures	σ_3	400.00	kPa	400.00	kPa
Vertical strain	ϵ_1	7.23	%	0.95	%
Volumetric strain	ϵ_v	-3.01	%	0.11	%



q'	p'	ϵ_1	ϵ_v
65.20	421.73	0.00	0.00
65.17	421.72	0.11	0.02
131.17	443.72	0.18	0.03
197.09	465.70	0.27	0.04
262.89	487.63	0.36	0.05
328.60	509.53	0.45	0.07
394.15	531.38	0.56	0.09
459.57	553.19	0.67	0.11
524.66	574.89	0.80	0.11
589.50	596.50	0.95	0.11
653.82	617.94	1.12	0.09
717.63	639.21	1.31	0.05
780.67	660.22	1.55	0.00
842.84	680.95	1.82	-0.07
903.57	701.19	2.17	-0.18
962.48	720.83	2.57	-0.36
1064.80	754.93	3.73	-0.92
1124.48	774.83	5.05	-1.73
1148.84	782.95	6.52	-2.58
1153.25	784.42	7.23	-3.01
1149.99	783.33	7.93	-3.43
1116.20	772.07	10.00	-4.69
1075.17	758.39	12.20	-5.81
1041.64	747.21	13.62	-6.46

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

Remark:

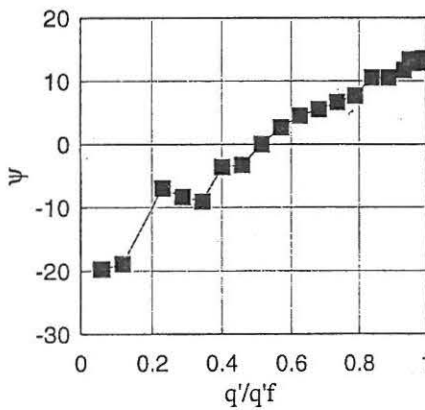
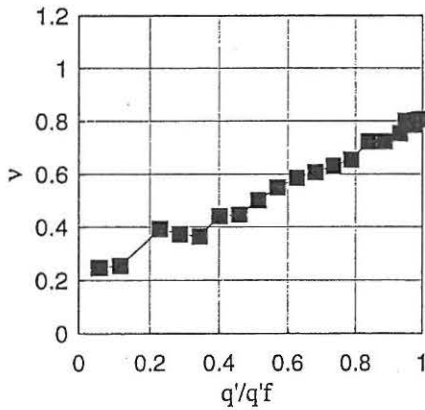


Job:	Encl. No
Blokhus sand	4
Exc:	Check:
HSP	LB

Description of soil Blokhus sand		Water content %	Before test	At failure
		Grain density	21.3	
Calibration file	Date	Void ratio	2.65	0.646
Loadtransducer 5001	10.05.73	Saturation	0.601	
		Dimension H mm	0.94	
		D mm	72	
			70	

TEST-PROGRAM	Drained compression.		
CD - Triaxial test. free ends	1. Isotropic compression.	σ_3	50-400 kPa
		ϵ_1	0.17 %
		ϵ_v	0.49 %
	2. Drained compression.		
	Deformation rate:		9.6 % ph

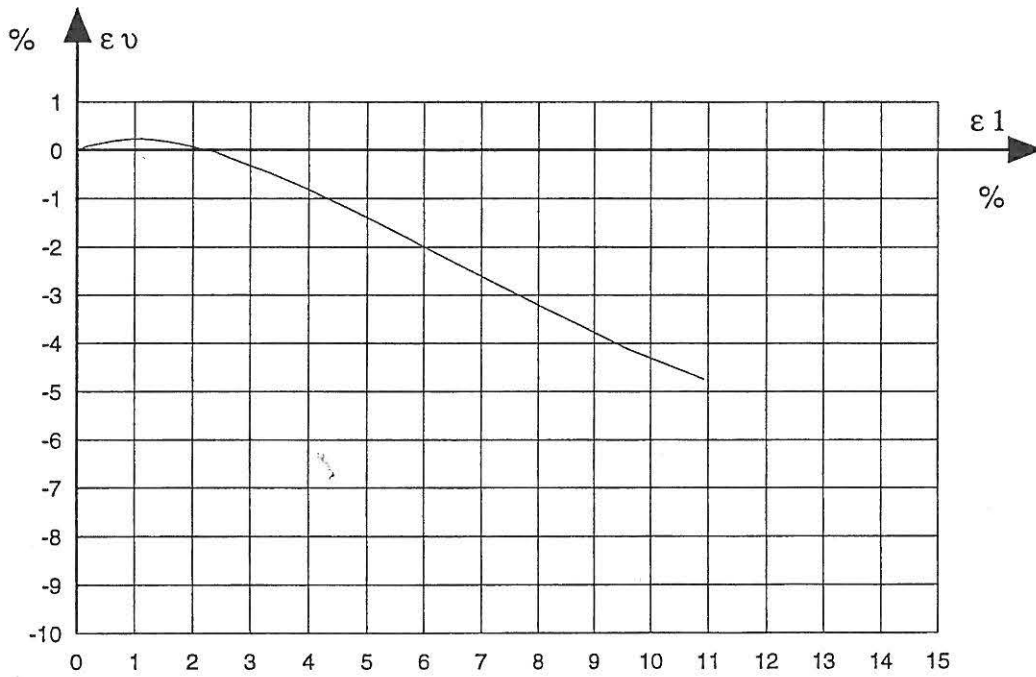
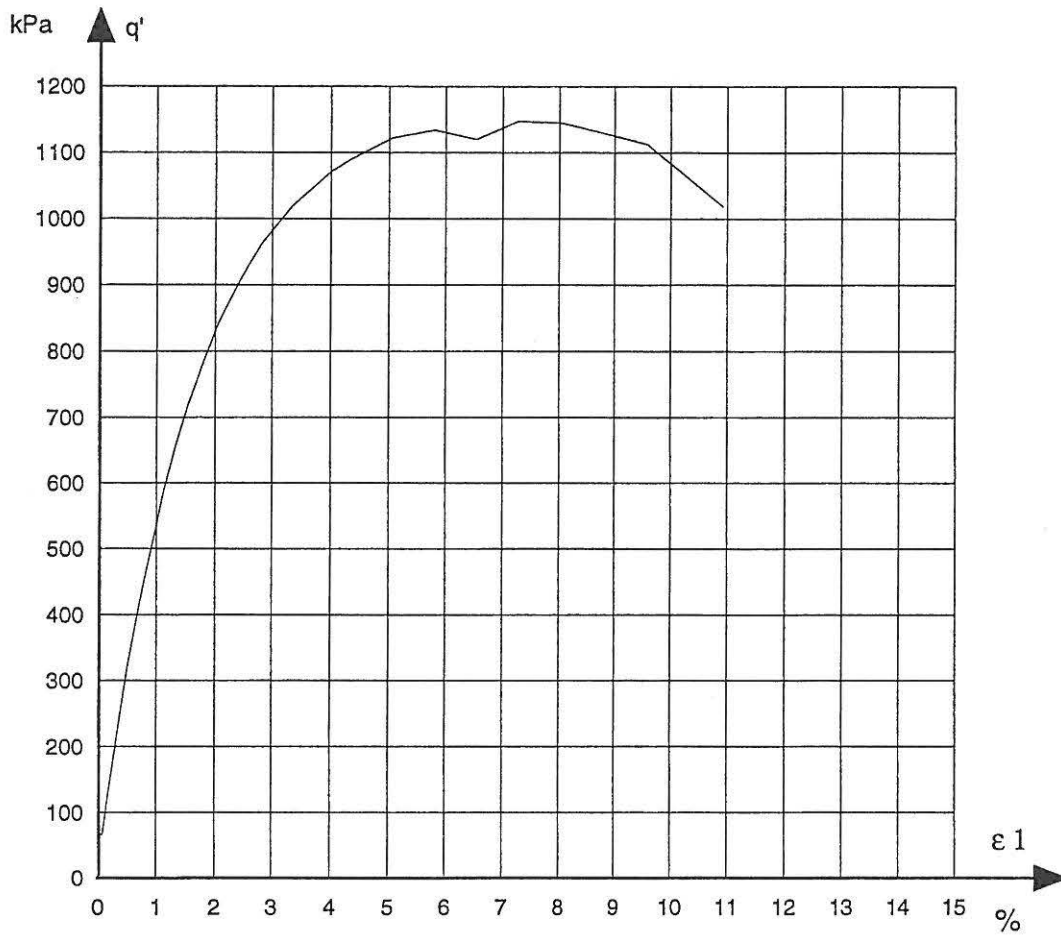
		Values at failure		Values for $\Delta\epsilon_v = 0$	
Deviator stress	q'	1147.15	kPa	589.79	kPa
Mean normal stress	p'	782.38	kPa	596.60	kPa
Confining pressures	σ_3	400.00	kPa	400.00	kPa
Vertical strain	ϵ_1	7.27	%	1.13	%
Volumetric strain	ϵ_v	-2.78	%	0.23	%



q'	p'	ϵ_1	ϵ_v
65.90	421.97	0.00	0.00
65.87	421.96	0.07	0.04
131.94	443.98	0.17	0.08
263.65	487.88	0.40	0.13
329.35	509.78	0.52	0.16
394.88	531.63	0.65	0.20
460.11	553.37	0.80	0.22
525.09	575.03	0.97	0.23
589.79	596.60	1.13	0.23
654.00	618.00	1.32	0.22
717.61	639.20	1.53	0.18
780.42	660.14	1.79	0.13
842.51	680.84	2.06	0.05
903.12	701.04	2.41	-0.05
961.92	720.64	2.81	-0.23
1018.16	739.39	3.34	-0.47
1070.63	756.88	4.01	-0.81
1089.42	763.14	4.34	-1.01
1122.06	774.02	5.06	-1.43
1133.89	777.96	5.80	-1.88
1119.73	773.24	6.54	-2.33
1147.15	782.38	7.27	-2.78
1128.83	776.28	8.81	-3.66
1018.00	739.33	10.93	-4.75

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

Remark:
The specimen slipped out after failure.

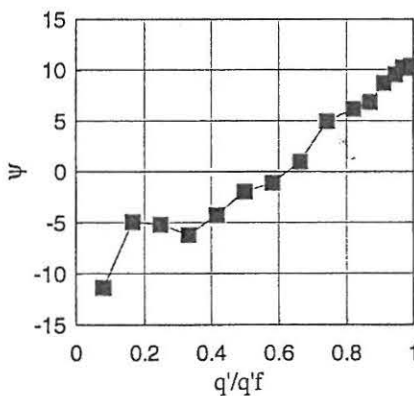
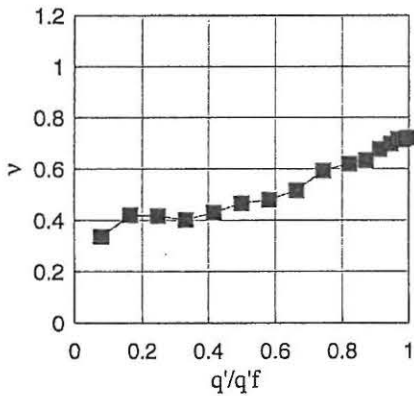


Job: Blokhus sand	Encl. No 6
Exc: HSP	Check: LB

Description of soil Blokhus sand		Water content %	Before test	At failure
		Grain density	22.3	
Calibration file	Date	Void ratio	0.623	0.657
Loadtransducer 15001	20.06.73	Saturation	0.95	
		Dimension H mm	72	
		D mm	70	

TEST-PROGRAM	Drained compression.		
CD - Triaxial test. free ends	1. Isotropic compression.	σ_3	50-800 kPa
		ϵ_1	0.24 %
		ϵ_v	0.72 %
	2. Drained compression.		
	Deformation rate:		9.6 % ph

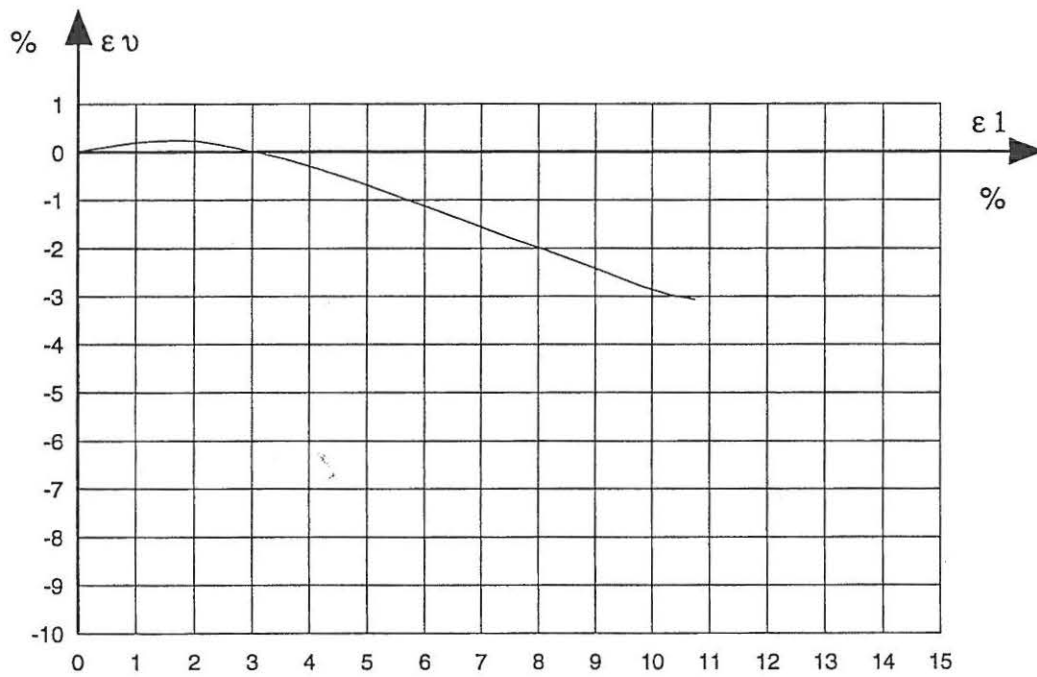
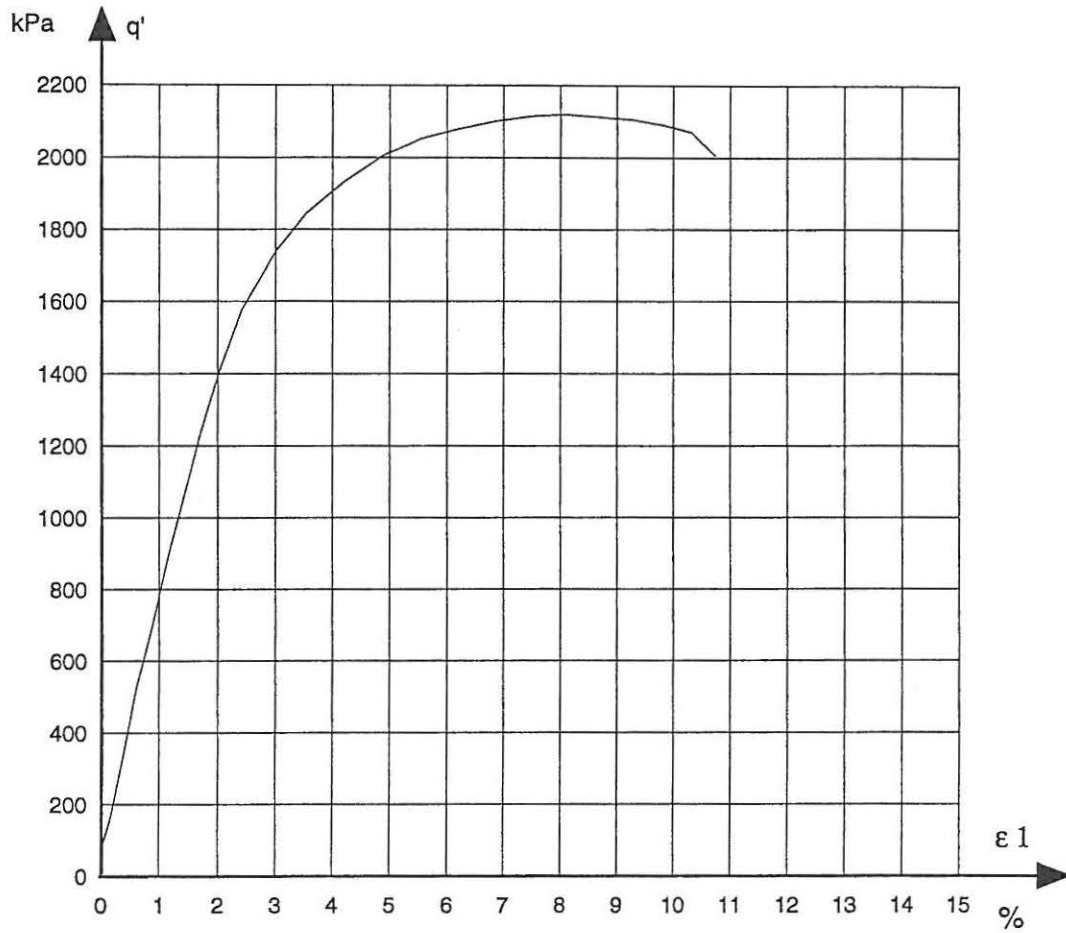
		Values at failure		Values for $\Delta \epsilon_v = 0$	
Deviator stress	q'	2120.36	kPa	1231.72	kPa
Mean normal stress	p'	1506.79	kPa	1210.57	kPa
Confining pressures	σ_3	800.00	kPa	800.00	kPa
Vertical strain	ϵ_1	8.12	%	1.71	%
Volumetric strain	ϵ_v	-2.04	%	0.25	%



q'	p'	ϵ_1	ϵ_v
65.90	821.97	0.00	0.00
166.32	855.44	0.16	0.05
346.05	915.35	0.39	0.09
525.13	975.04	0.61	0.13
703.26	1034.42	0.89	0.18
880.58	1093.53	1.15	0.22
1056.74	1152.25	1.42	0.23
1231.72	1210.57	1.71	0.25
1405.05	1268.35	2.02	0.23
1575.13	1325.04	2.40	0.16
1738.41	1379.47	3.00	0.02
1843.25	1414.42	3.53	-0.13
1930.18	1443.39	4.19	-0.36
2003.87	1467.96	4.87	-0.63
2052.05	1484.02	5.54	-0.92
2080.17	1493.39	6.21	-1.21
2101.51	1500.50	6.87	-1.50
2115.32	1505.11	7.52	-1.79
2120.36	1506.79	8.12	-2.04
2112.79	1504.26	8.70	-2.29
2105.81	1501.94	9.28	-2.54
2091.58	1497.19	9.82	-2.80
2070.88	1490.29	10.32	-2.98
2004.62	1468.21	10.74	-3.07

Job: Blokhus sand	Encl. No 7
Exc: HSP	Check: LB

Remark:

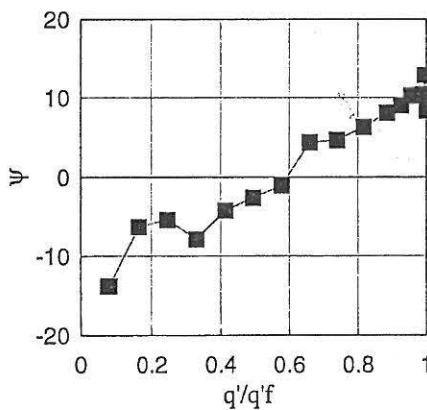
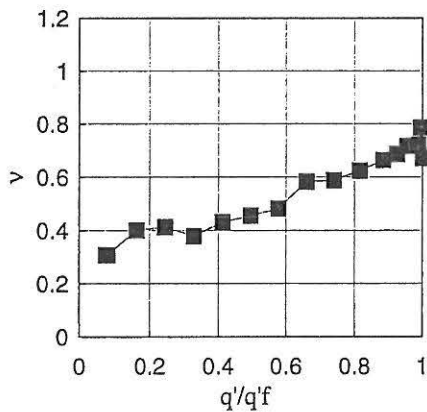


Job: Blokhus sand	Encl. No 8
Exc: HSP	Check: LB

Description of soil Blokhus sand		Water content %	Before test	At failure
		Grain density	22.3	
Calibration file	Date	Void ratio	0.623	0.654
Loadtransducer 15001	25.06.73	Saturation	0.95	
		Dimension H mm	72	
		D mm	70	

TEST-PROGRAM	Drained compression.		
CD - Triaxial test. free ends	1. Isotropic compression.	σ_3	50-800 kPa
		ϵ_1	0.22 %
		ϵ_v	0.49 %
	2. Drained compression.		
	Deformation rate:		9.6 % ph

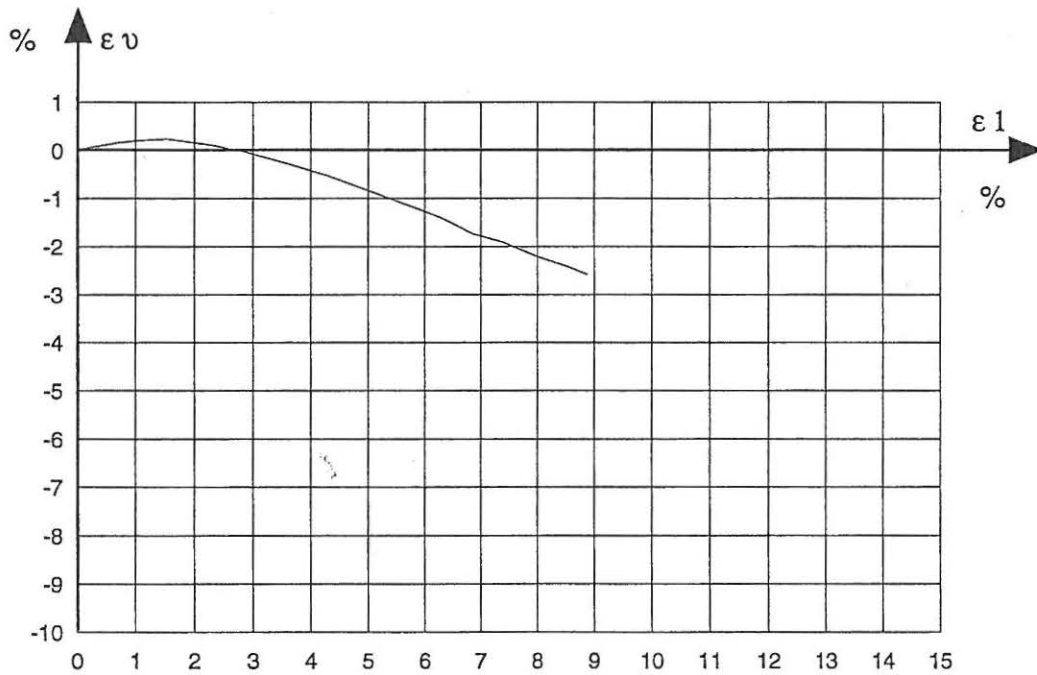
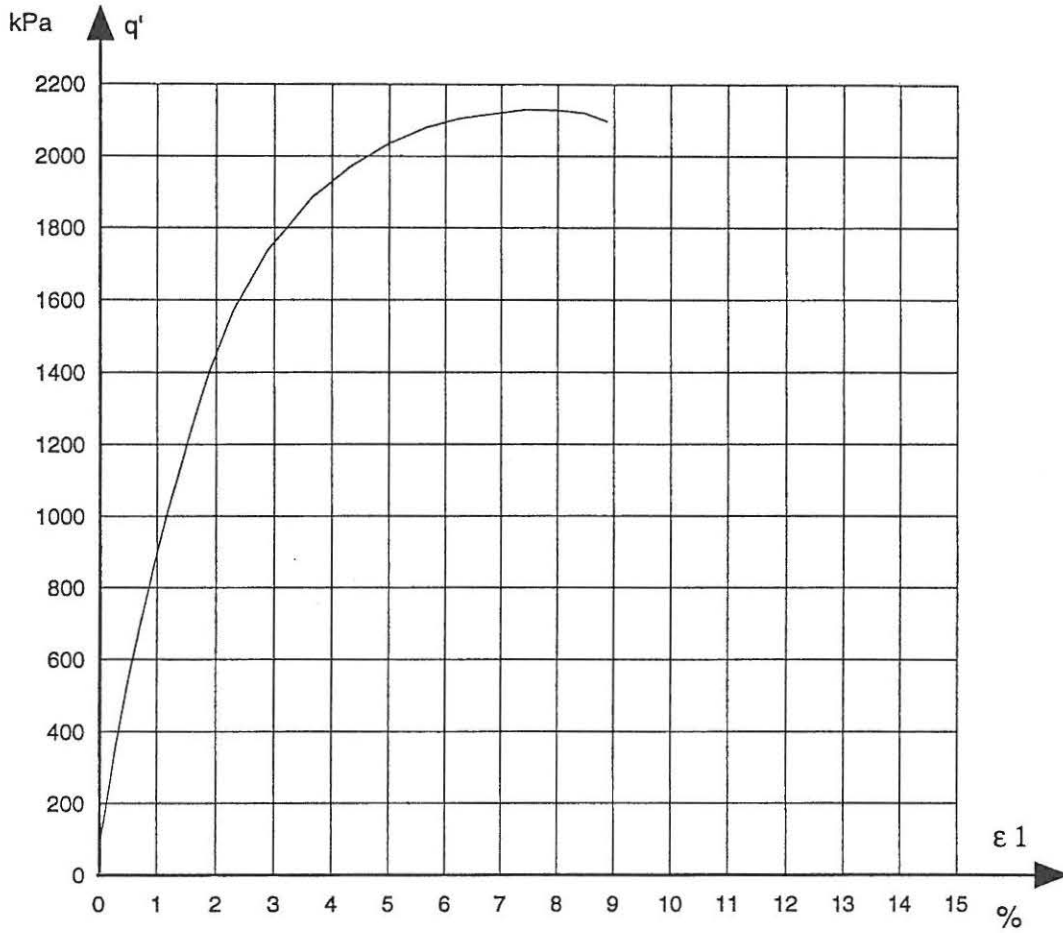
		Values at failure		Values for $\Delta\epsilon_v = 0$	
Deviator stress	q'	2129.89	kPa	1230.63	kPa
Mean normal stress	p'	1509.96	kPa	1210.21	kPa
Confining pressures	σ_3	800.00	kPa	800.00	kPa
Vertical strain	ϵ_1	7.44	%	1.56	%
Volumetric strain	ϵ_v	-1.93	%	0.23	%



q'	p'	ϵ_1	ϵ_v
65.90	821.97	0.00	0.00
163.52	854.51	0.09	0.04
343.51	914.50	0.28	0.07
522.82	974.27	0.48	0.11
701.53	1033.84	0.71	0.16
879.11	1093.04	0.97	0.20
1055.49	1151.83	1.26	0.22
1230.63	1210.21	1.56	0.23
1403.35	1267.78	1.89	0.18
1573.11	1324.37	2.30	0.11
1736.80	1378.93	2.88	-0.04
1883.85	1427.95	3.65	-0.29
1970.72	1456.91	4.33	-0.54
2034.80	1478.27	4.99	-0.83
2079.26	1493.09	5.65	-1.12
2105.75	1501.92	6.26	-1.39
2118.02	1506.01	6.86	-1.73
2129.89	1509.96	7.44	-1.93
2127.61	1509.20	7.99	-2.20
2120.08	1506.69	8.49	-2.40
2096.61	1498.87	8.88	-2.58

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

Remark: The specimen slipped out after failure.
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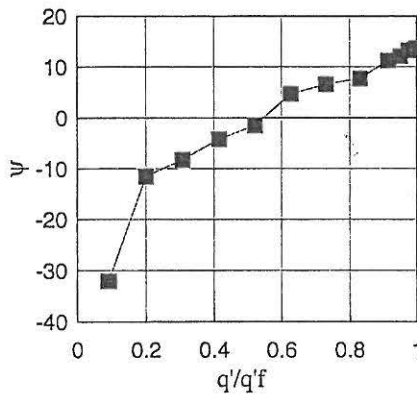
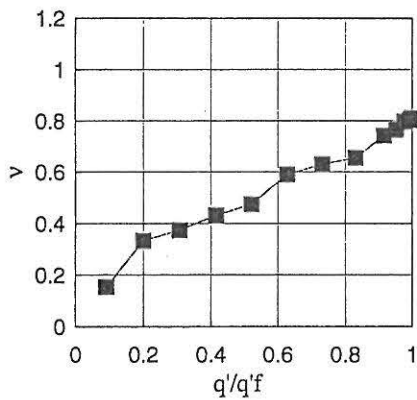


Job:	Encl. No
Blokhus sand	10
Exc:	Check:
HSP	LB

Description of soil Blokhus sand		Water content %	21.9	Before test	At failure
		Grain density	2.65		
Calibration file	Date	Void ratio	0.603		0.647
Loadtransducer 5001	27.06.73	Saturation	0.96		
		Dimension H mm	72		
		D mm	70		

TEST-PROGRAM	Drained compression.			
CD - Triaxial test. free ends	1. Isotropic compression.	σ_3	50-200 kPa	
		ϵ_1	0.12 %	
		ϵ_v	0.18 %	
	2. Drained compression.			
	Deformation rate:	9.6 % ph		

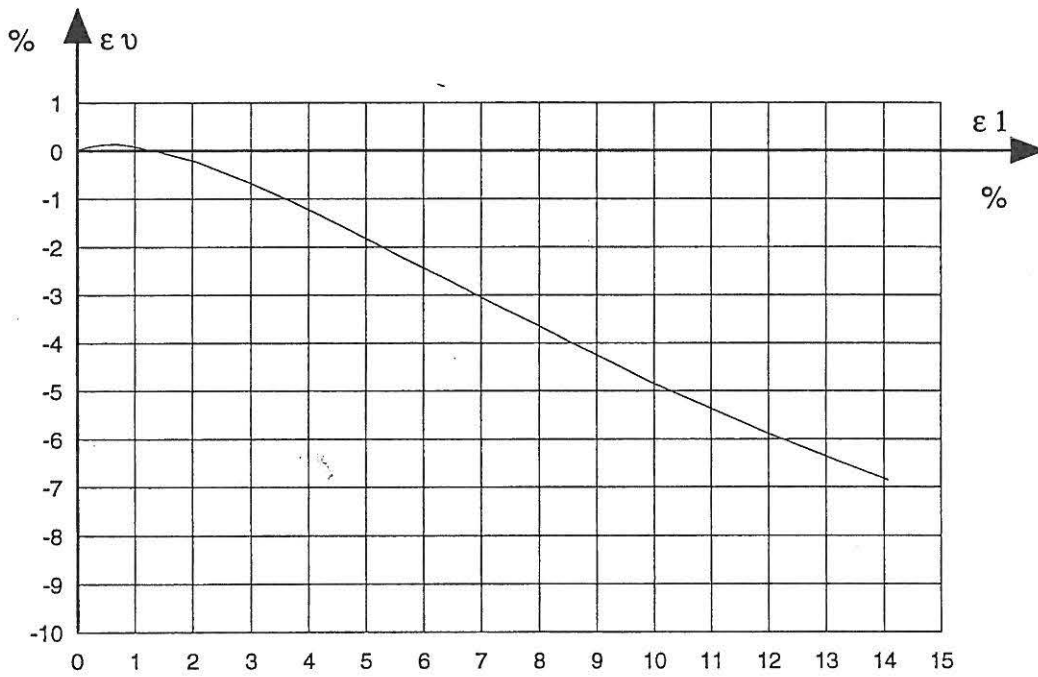
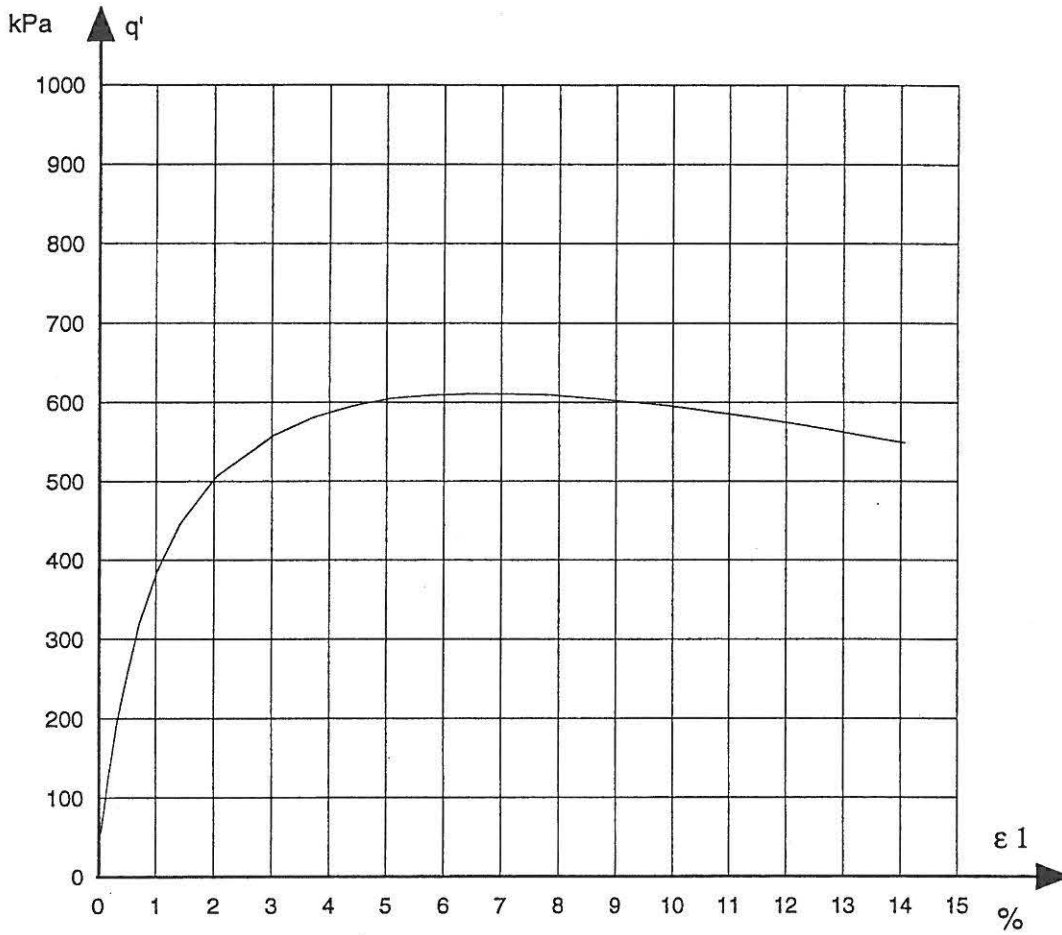
		Values at failure		Values for $\Delta\epsilon_v = 0$	
Deviator stress	q'	610.97	kPa	318.40	kPa
Mean normal stress	p'	403.16	kPa	305.63	kPa
Confining pressures	σ_3	199.50	kPa	199.50	kPa
Vertical strain	ϵ_1	6.46	%	0.70	%
Volumetric strain	ϵ_v	-2.71	%	0.14	%



q'	p'	ϵ_1	ϵ_v
55.60	218.03	0.00	0.00
55.56	218.02	0.05	0.04
121.62	240.04	0.16	0.07
187.51	262.00	0.30	0.11
253.13	283.88	0.49	0.13
318.40	305.63	0.70	0.14
382.82	327.11	1.00	0.09
446.00	348.17	1.42	-0.02
506.88	368.46	2.06	-0.22
558.43	385.64	3.03	-0.69
580.78	393.09	3.70	-1.05
595.66	398.05	4.40	-1.46
605.51	401.34	5.09	-1.88
609.25	402.58	5.78	-2.31
610.97	403.16	6.46	-2.71
610.58	403.03	7.15	-3.14
609.42	402.64	7.83	-3.54
605.58	401.36	8.52	-3.97
600.93	399.81	9.21	-4.37
595.91	398.14	9.91	-4.80
588.09	395.53	10.74	-5.23
582.79	393.76	11.30	-5.52
566.65	388.38	12.68	-6.21
548.99	382.50	14.08	-6.86

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

Remark:

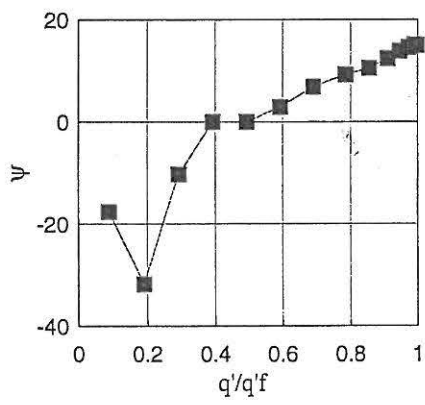
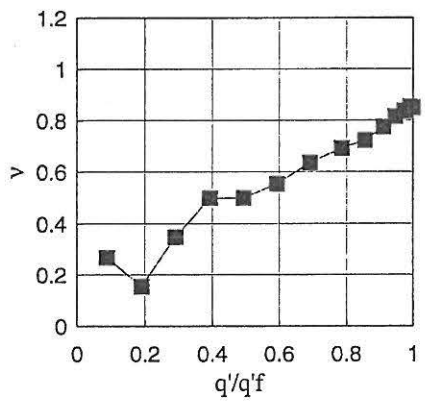


Job:	Blokhuis sand	Encl. No	12
Exc:	HSP	Check:	LB

Description of soil Blokhus sand		Water content %	Before test	At failure
		Grain density	21.1	
Calibration file	Date	Void ratio	0.578	0.628
Loadtransducer 5001	29.06.73	Saturation	0.97	
		Dimension H mm	72	
		D mm	70	

TEST-PROGRAM	Drained compression.		
CD - Triaxial test. free ends	1. Isotropic compression.	σ_3	50-200 kPa
		ϵ_1	0.11 %
		ϵ_v	0.18 %
	2. Drained compression.		
	Deformation rate:		9.6 % ph

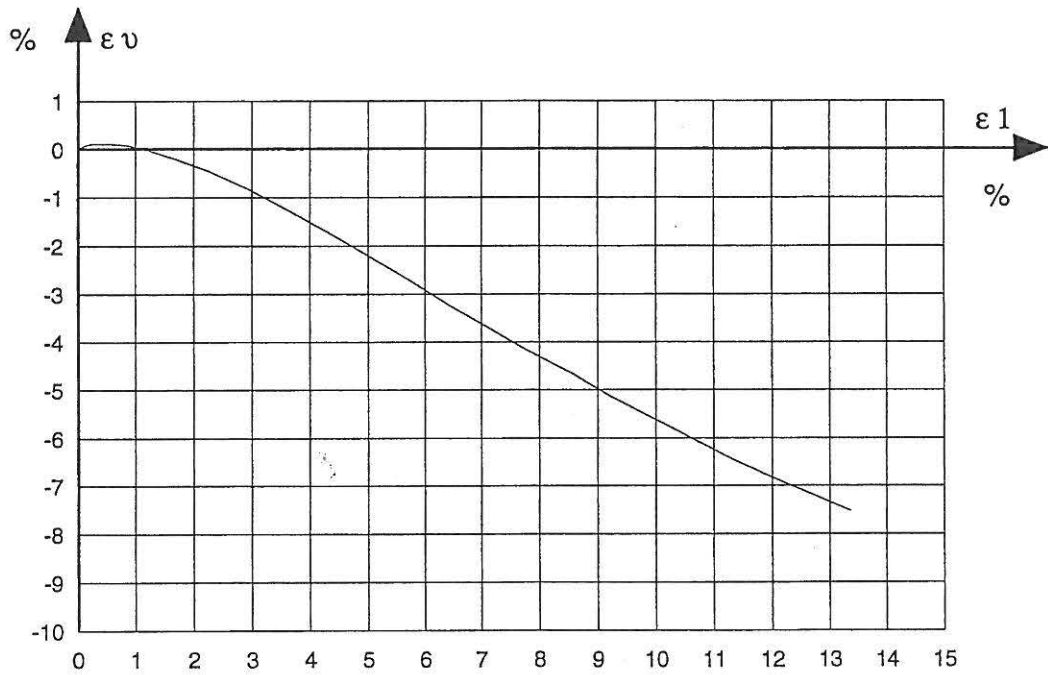
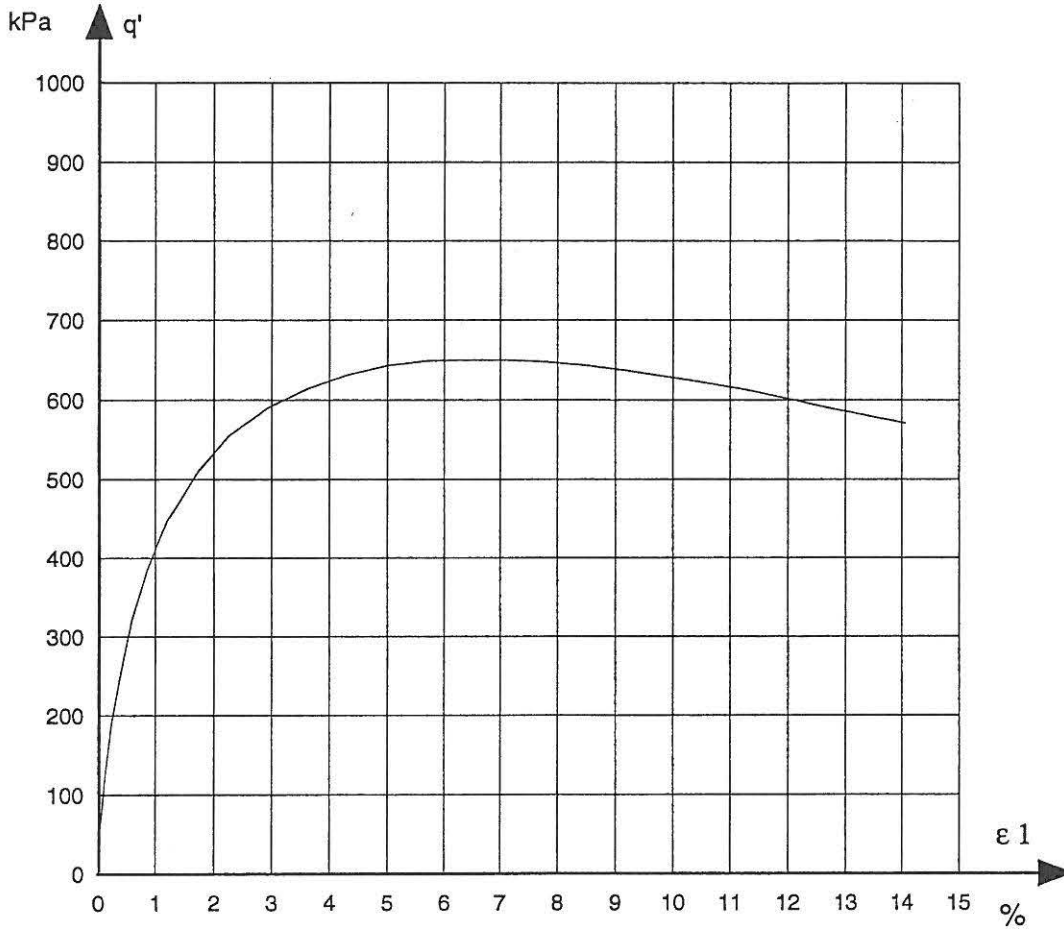
		Values at failure		Values for $\Delta\epsilon_v = 0$	
Deviator stress	q'	650.00	kPa	320.24	kPa
Mean normal stress	p'	416.67	kPa	306.75	kPa
Confining pressures	σ_3	200.00	kPa	200.00	kPa
Vertical strain	ϵ_1	6.40	%	0.59	%
Volumetric strain	ϵ_v	-3.21	%	0.11	%



q'	p'	ϵ_1	ϵ_v
57.10	219.03	0.00	0.00
57.15	219.05	0.04	0.02
123.26	241.09	0.12	0.07
189.23	263.08	0.24	0.11
254.88	284.96	0.40	0.11
320.24	306.75	0.59	0.11
384.93	328.31	0.85	0.08
448.50	349.50	1.21	-0.02
510.13	370.04	1.73	-0.22
555.14	385.05	2.26	-0.45
591.18	397.06	2.95	-0.83
614.71	404.90	3.63	-1.26
632.08	410.69	4.33	-1.73
643.23	414.41	5.02	-2.22
648.97	416.32	5.72	-2.71
650.00	416.67	6.40	-3.21
649.98	416.66	7.09	-3.68
647.65	415.88	7.76	-4.15
642.72	414.24	8.58	-4.67
636.78	412.26	9.20	-5.12
629.32	409.77	9.89	-5.56
621.48	407.16	10.59	-5.99
602.02	400.67	11.98	-6.82
581.20	393.73	13.37	-7.52

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

Remark:

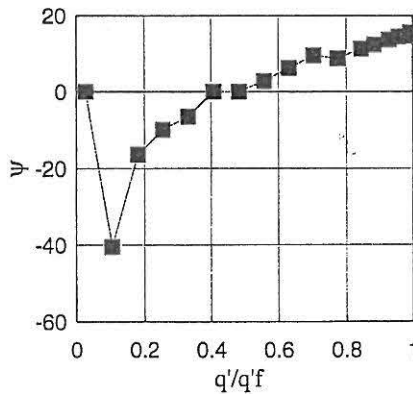
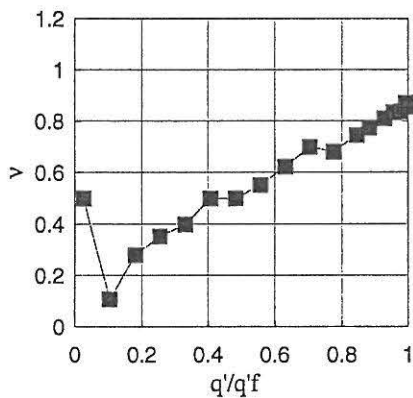


Job:	Blokhuis sand	Encl. No	14
Exc:	HSP	Check:	LB

Description of soil Blokhus sand		Water content %	21.6	At failure
		Grain density	2.65	
Calibration file	Date	Void ratio	0.586	0.642
Loadtransducer 2003	05.07.73	Saturation	0.98	
		Dimension H mm	72	
		D mm	70	

TEST-PROGRAM	Drained compression.			
CD - Triaxial test. free ends	1. Isotropic compression.	σ_3	50-100 kPa	
		ϵ_1	0.03 %	
		ϵ_v	0.09 %	
	2. Drained compression.			
	Deformation rate:	9.6 % ph		

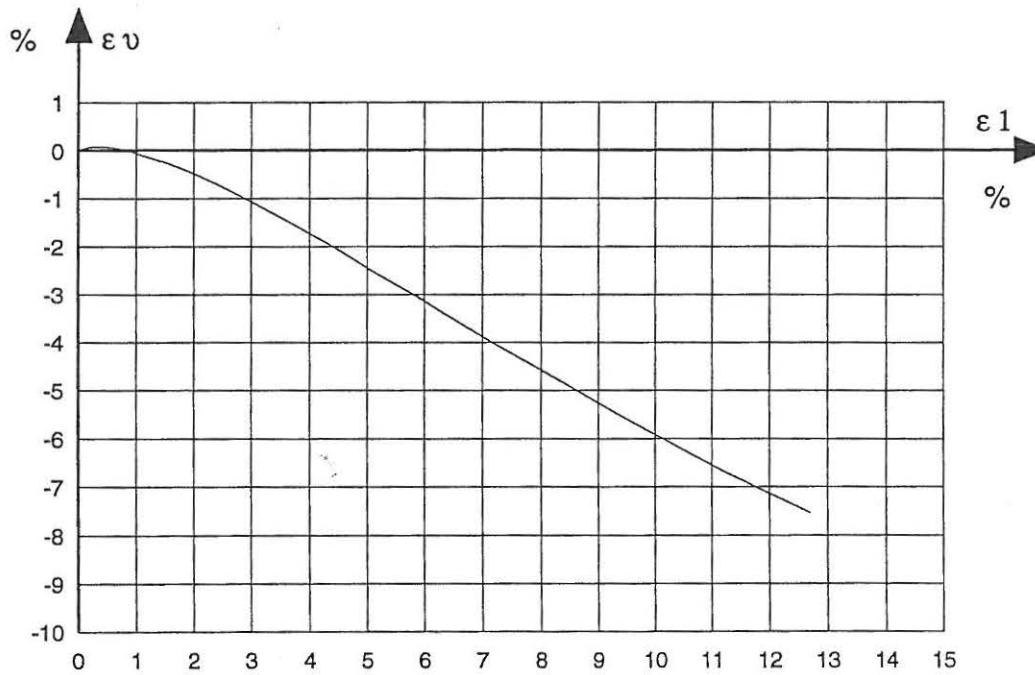
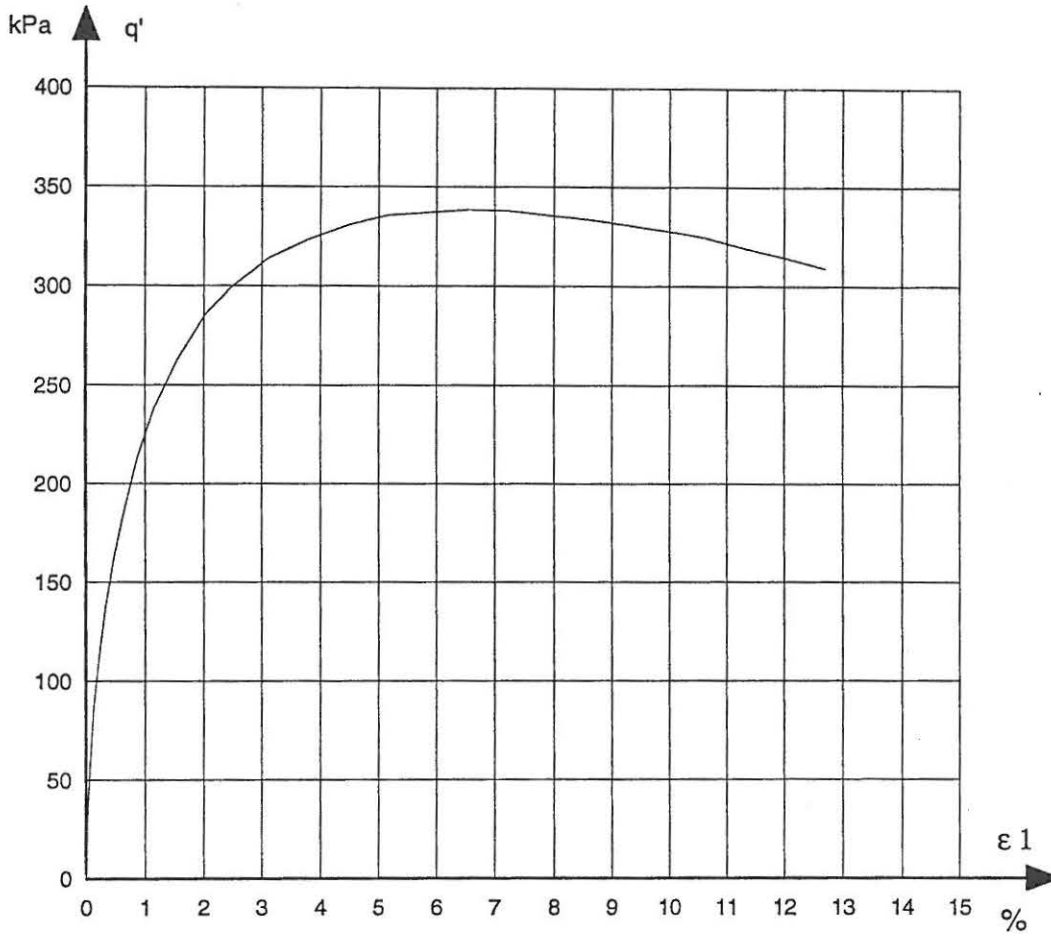
		Values at failure		Values for $\Delta\epsilon_v = 0$	
Deviator stress	q'	338.43	kPa	163.11	kPa
Mean normal stress	p'	212.81	kPa	154.37	kPa
Confining pressures	σ_3	100.00	kPa	100.00	kPa
Vertical strain	ϵ_1	6.54	%	0.48	%
Volumetric strain	ϵ_v	-3.54	%	0.07	%



q'	p'	ϵ_1	ϵ_v
9.30	103.10	0.00	0.00
9.27	103.09	0.01	0.00
35.02	111.67	0.03	0.02
60.75	120.25	0.07	0.04
86.46	128.82	0.13	0.05
112.11	137.37	0.22	0.07
137.66	145.89	0.33	0.07
163.11	154.37	0.48	0.07
188.40	162.80	0.65	0.05
213.40	171.13	0.87	0.00
238.02	179.34	1.14	-0.11
262.01	187.34	1.54	-0.25
285.23	195.08	2.02	-0.49
298.44	199.48	2.45	-0.72
313.78	204.59	3.12	-1.14
323.37	207.79	3.79	-1.59
330.75	210.25	4.48	-2.06
335.57	211.86	5.17	-2.56
338.43	212.81	6.54	-3.54
337.94	212.65	7.23	-4.04
333.60	211.20	8.59	-4.98
327.82	209.27	9.94	-5.88
319.01	206.34	11.33	-6.75
308.84	202.95	12.71	-7.54

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

Remark:

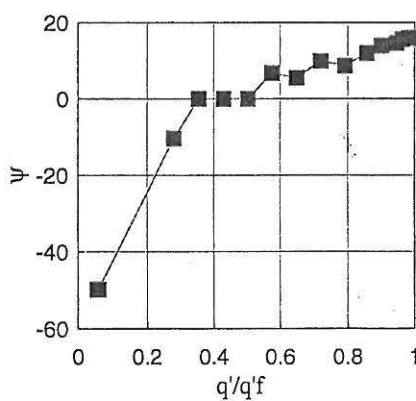
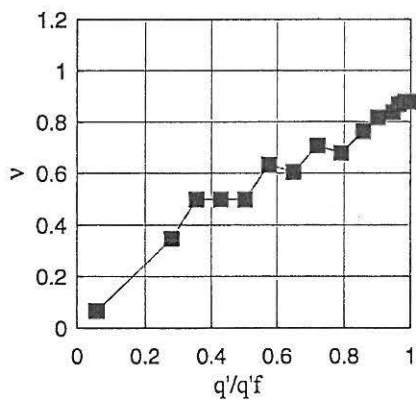


Job:	Encl. No
Blokhus sand	16
Exc:	Check:
HSP	LB

Description of soil Blokhus sand		Water content %	Before test	At failure
		Grain density	21.2	
Calibration file	Date	Void ratio	0.571	0.616
Loadtransducer 2003	23.07.73	Saturation	0.98	
		Dimension H mm	72	
		D mm	70	

TEST-PROGRAM	Drained compression.		
CD - Triaxial test. free ends	1. Isotropic compression.	σ_3	50-100 kPa
		ϵ_1	0.03 %
		ϵ_v	0.11 %
	2. Drained compression.		
	Deformation rate:		9.6 % ph

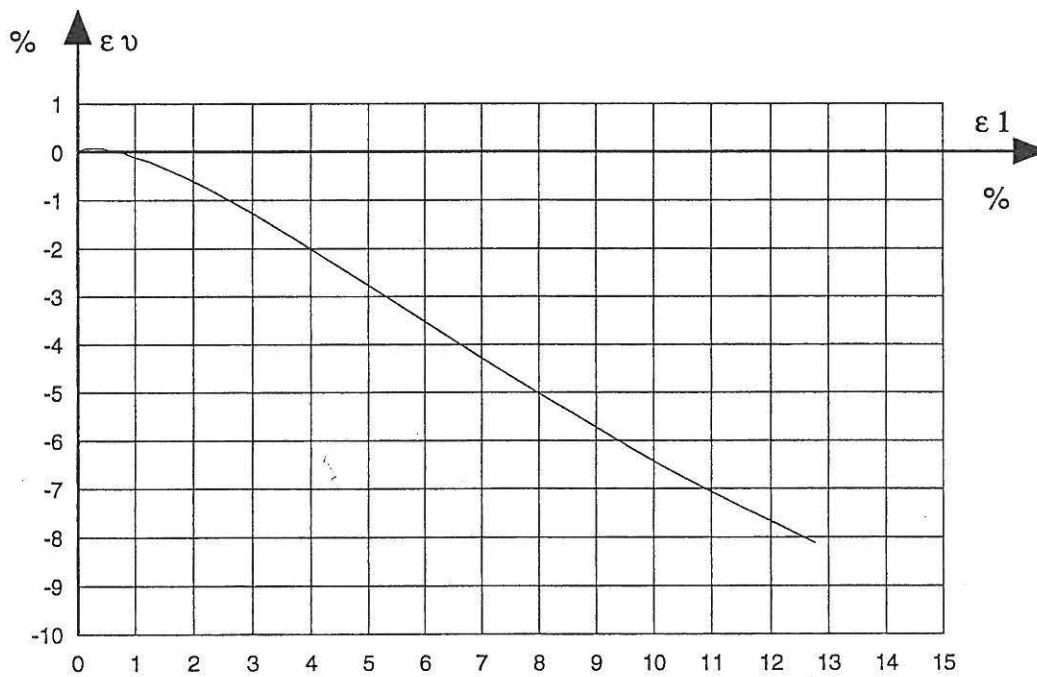
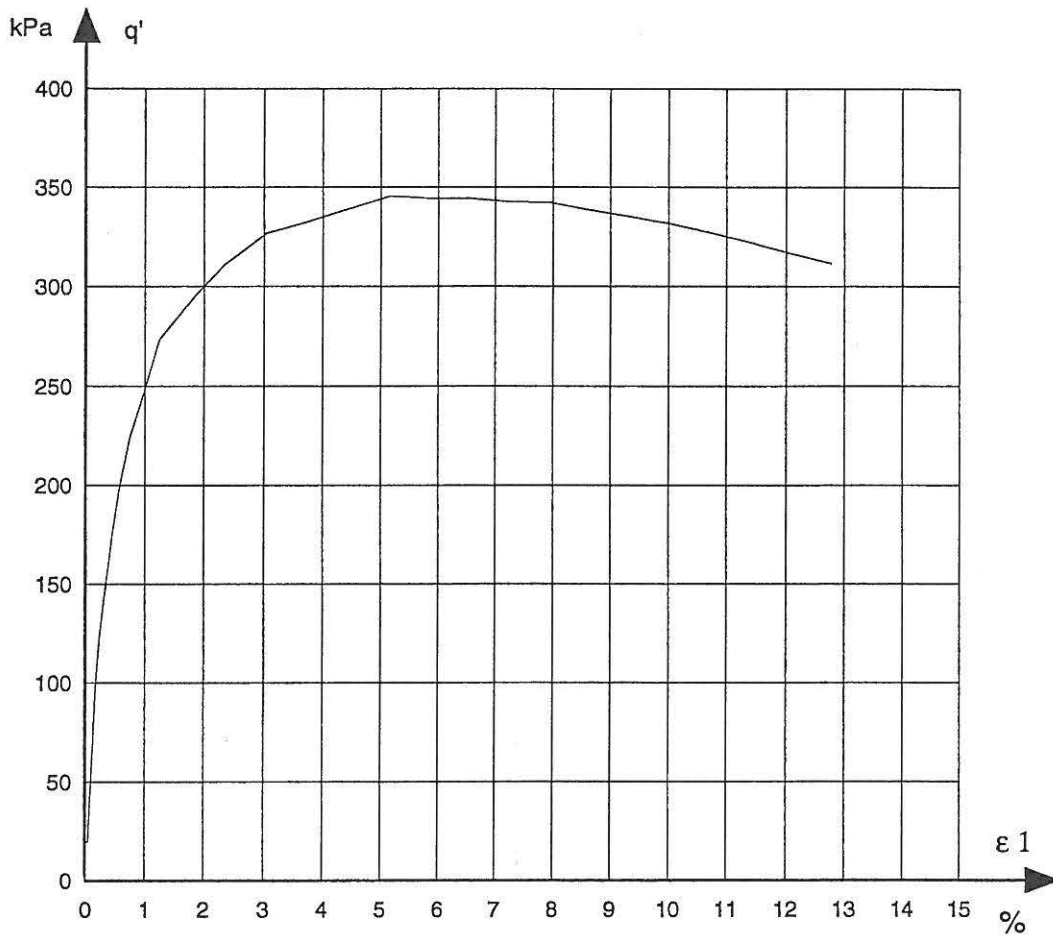
		Values at failure		Values for $\Delta\epsilon_v = 0$	
Deviator stress	q'	345.60	kPa	173.45	kPa
Mean normal stress	p'	215.20	kPa	157.82	kPa
Confining pressures	σ_3	100.00	kPa	100.00	kPa
Vertical strain	ϵ_1	5.16	%	0.43	%
Volumetric strain	ϵ_v	-2.89	%	0.07	%



q'	p'	ϵ_1	ϵ_v
19.60	106.53	0.00	0.00
19.57	106.52	0.04	0.04
96.74	132.25	0.16	0.07
122.38	140.79	0.23	0.07
147.96	149.32	0.32	0.07
173.45	157.82	0.43	0.07
198.76	166.25	0.57	0.04
223.91	174.64	0.74	0.00
248.54	182.85	1.00	-0.11
273.07	191.02	1.25	-0.20
295.63	198.54	1.87	-0.52
311.23	203.74	2.35	-0.83
326.91	208.97	3.05	-1.30
332.73	210.91	3.75	-1.82
339.30	213.10	4.46	-2.35
345.60	215.20	5.16	-2.89
344.53	214.84	5.85	-3.41
344.53	214.84	6.55	-3.93
342.53	214.18	7.93	-4.96
338.76	212.92	8.62	-5.45
331.89	210.63	10.00	-6.42
322.38	207.46	11.39	-7.31
316.71	205.57	12.08	-7.72
311.28	203.76	12.77	-8.12

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

Remark:

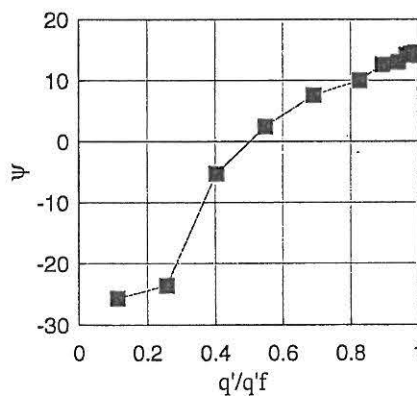
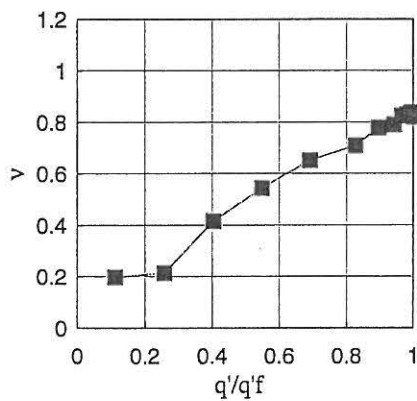


Job: Blokhus sand	Encl. No 18
Exc: HSP	Check: LB

Description of soil Blokhus sand		Water content %	Before test	At failure
		Grain density	22.6	
Calibration file	Date	Void ratio	0.608	0.663
Loadtransducer	24.07.73	Saturation	0.93	
2003		Dimension H mm	72	
		D mm	70	

TEST-PROGRAM	Drained compression.		
CD - Triaxial test. free ends	1. Isotropic compression.	σ_3	20-50 kPa
		ϵ_1	0.05 %
		ϵ_v	0.04 %
	2. Drained compression.		
	Deformation rate:		9.6 % ph

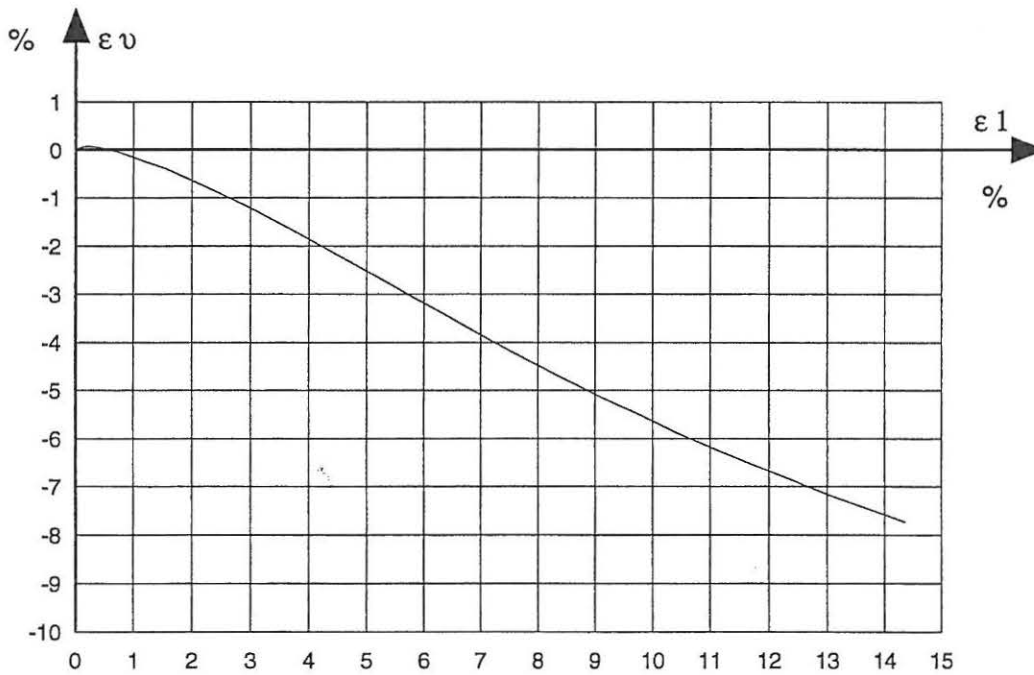
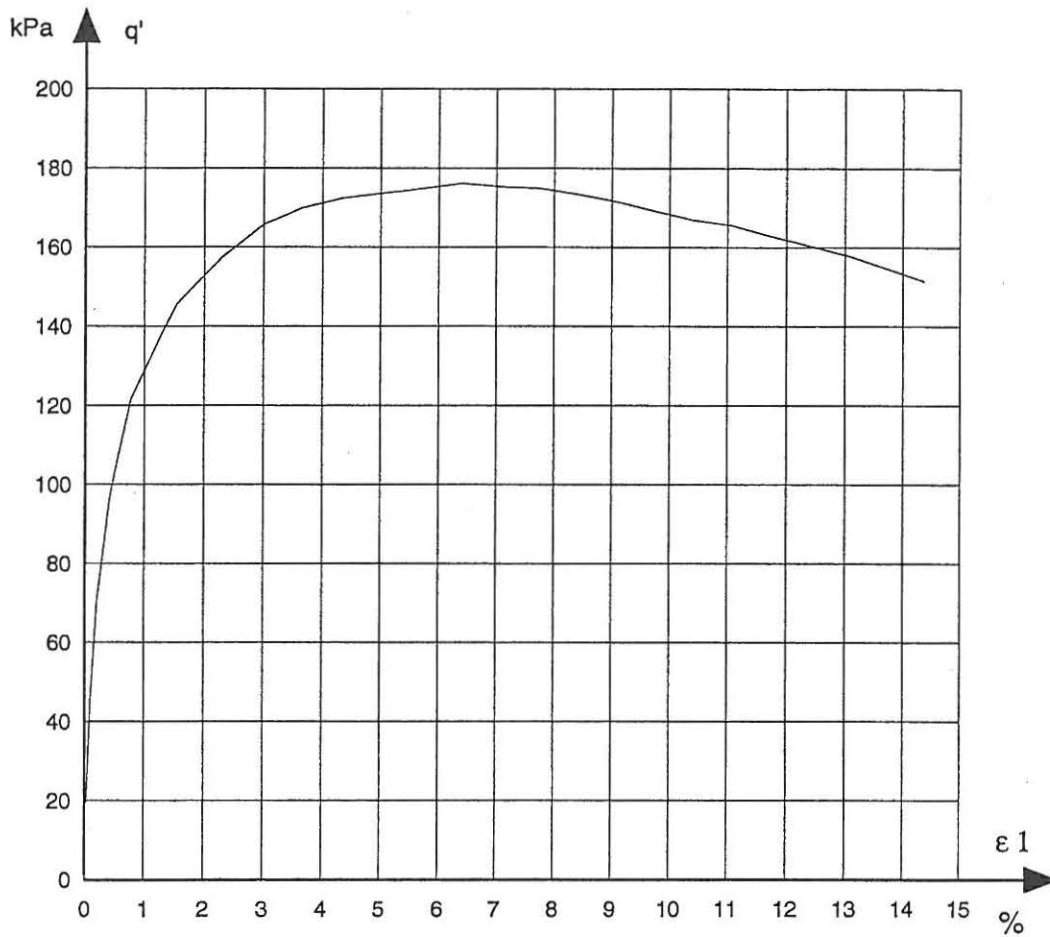
		Values at failure		Values for $\Delta \epsilon_v = 0$	
Deviator stress	q'	176.04	kPa	70.98	kPa
Mean normal stress	p'	108.68	kPa	73.66	kPa
Confining pressures	σ_3	50.00	kPa	50.00	kPa
Vertical strain	ϵ_1	6.41	%	0.20	%
Volumetric strain	ϵ_v	-3.45	%	0.07	%



q'	p'	ϵ_1	ϵ_v
19.60	56.53	0.00	0.00
19.57	56.52	0.03	0.02
45.30	65.10	0.09	0.05
70.98	73.66	0.20	0.07
96.48	82.16	0.40	0.05
121.58	90.53	0.76	-0.05
145.49	98.50	1.54	-0.38
157.55	102.52	2.31	-0.81
165.75	105.25	3.00	-1.21
169.91	106.64	3.67	-1.64
172.45	107.48	4.35	-2.09
173.61	107.87	5.04	-2.54
174.85	108.28	5.73	-3.01
176.04	108.68	6.41	-3.45
175.28	108.43	7.09	-3.90
174.84	108.28	7.76	-4.33
173.33	107.78	8.43	-4.75
171.53	107.18	9.09	-5.14
169.15	106.38	9.76	-5.50
166.88	105.63	10.42	-5.88
165.53	105.18	11.09	-6.23
162.89	104.30	11.74	-6.55
157.83	102.61	13.07	-7.20
151.43	100.48	14.38	-7.74

Job:	Encl. No
Blokhus sand	19
Exc:	Check:
HSP	LB

Remark:

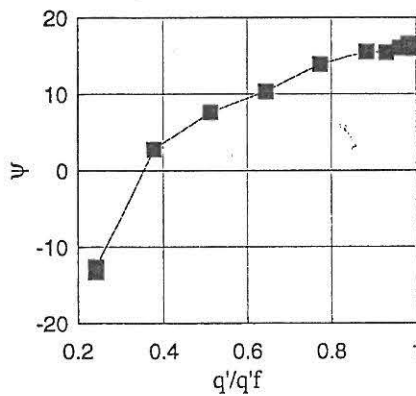
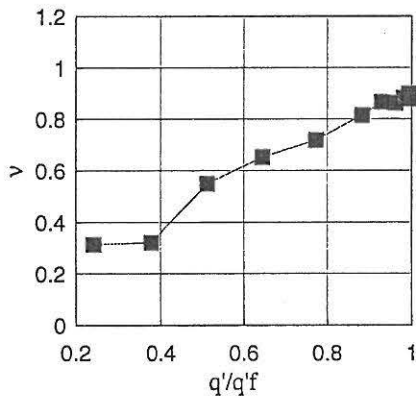


Job:	Encl. No
Blokhus sand	20
Exc:	Check:
HSP	LB

Description of soil Blokhus sand		Water content %	Before test	At failure
		Grain density	21.5	
Calibration file	Date	Void ratio	0.574	0.639
Loadtransducer	25.07.73	Saturation	0.99	
2003		Dimension H mm	72	
		D mm	70	

TEST-PROGRAM	Drained compression.		
CD - Triaxial test. free ends	1. Isotropic compression.	σ_3	20-50 kPa
		ϵ_1	0.04 %
		ϵ_v	0.05 %
	2. Drained compression.		
	Deformation rate:		9.6 % ph

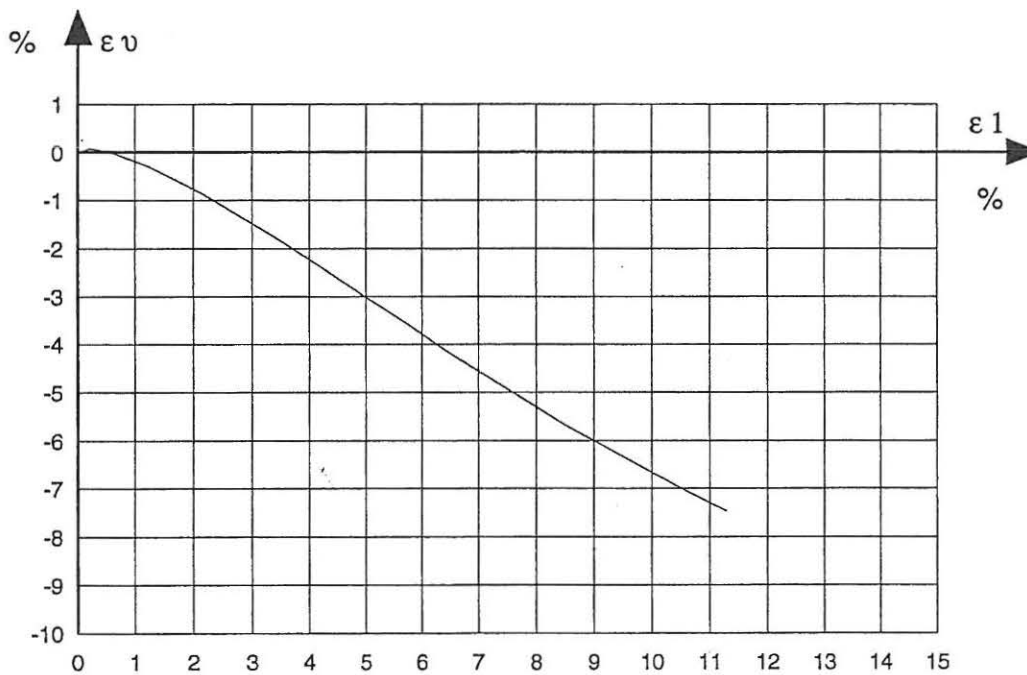
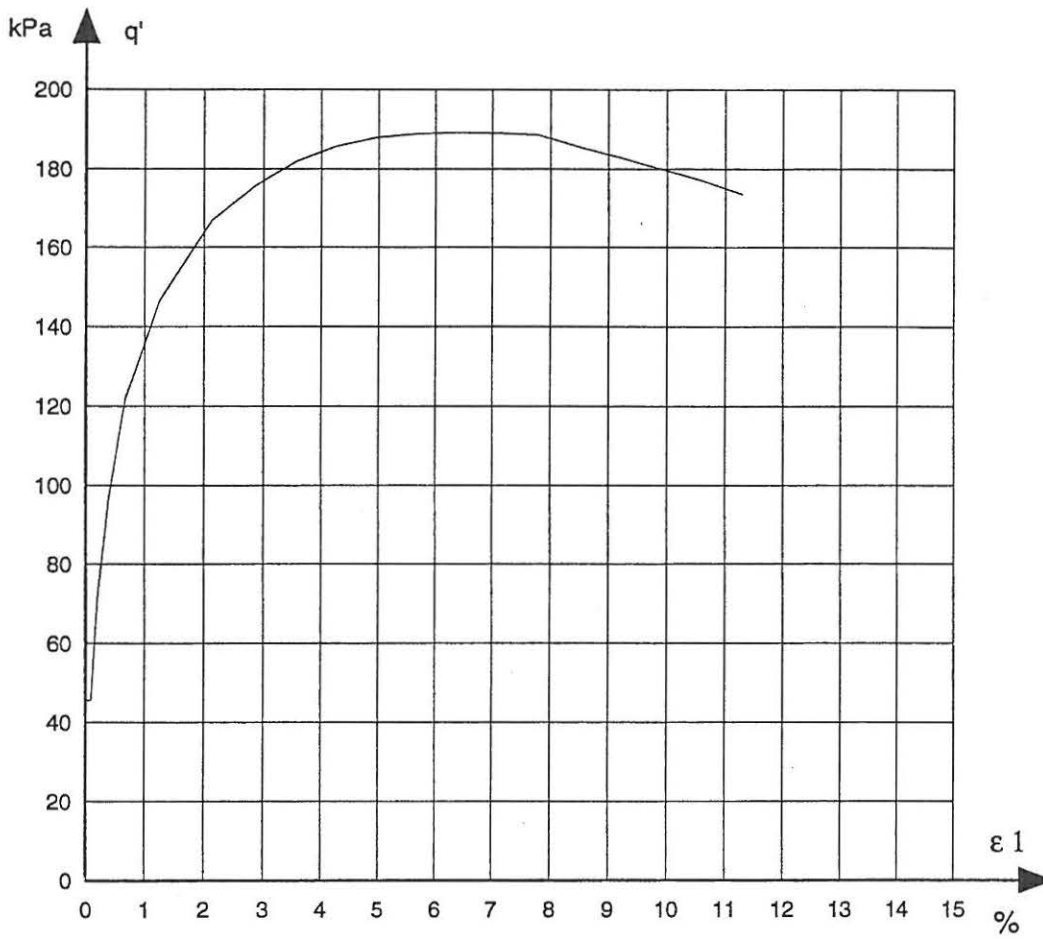
		Values at failure		Values for $\Delta\epsilon_v = 0$	
Deviator stress	q'	189.14	kPa	71.24	kPa
Mean normal stress	p'	113.05	kPa	73.75	kPa
Confining pressures	σ_3	50.00	kPa	50.00	kPa
Vertical strain	ϵ_1	6.40	%	0.20	%
Volumetric strain	ϵ_v	-4.11	%	0.07	%



q'	p'	ϵ_1	ϵ_v
45.60	65.20	0.00	0.00
45.55	65.18	0.10	0.04
71.24	73.75	0.20	0.07
96.77	82.26	0.37	0.05
121.97	90.66	0.67	-0.04
146.31	98.77	1.25	-0.29
166.88	105.63	2.13	-0.85
175.61	108.54	2.85	-1.37
181.73	110.58	3.54	-1.88
185.61	111.87	4.25	-2.42
187.92	112.64	4.98	-3.00
188.82	112.94	5.69	-3.54
189.14	113.05	6.40	-4.11
188.98	112.99	7.10	-4.64
188.58	112.86	7.79	-5.14
185.54	111.85	8.49	-5.67
182.85	110.95	9.20	-6.14
179.94	109.98	9.90	-6.60
176.97	108.99	10.60	-7.06
173.56	107.85	11.29	-7.47

Job:	Encl. No
Blokhus sand	21
Exc:	Check:
HSP	LB

Remark:

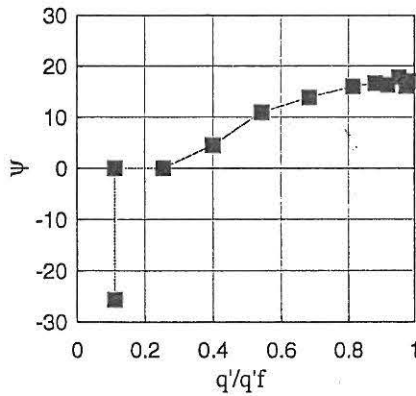
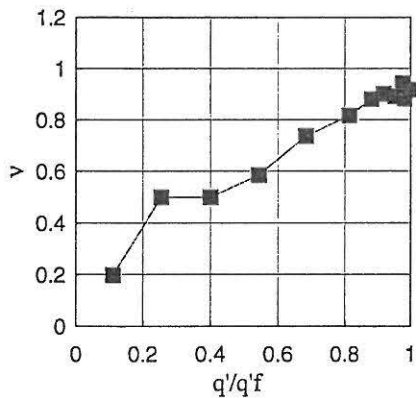


Job:	Encl. No
Blokhus sand	22
Exc:	Check:
HSP	LB

Description of soil Blokhus sand		Water content %	21.8	At failure
		Grain density	2.65	
Calibration file	Date	Void ratio	0.579	0.644
Loadtransducer 2003	26.07.73	Saturation	1	
		Dimension H mm	72	
		D mm	70	

TEST-PROGRAM	Drained compression.			
CD - Triaxial test. free ends	1. Isotropic compression.	σ_3	10-20 kPa	
		ϵ_1	0.02 %	
		ϵ_v	0.04 %	
	2. Drained compression.	Deformation rate: 9.6 % ph		

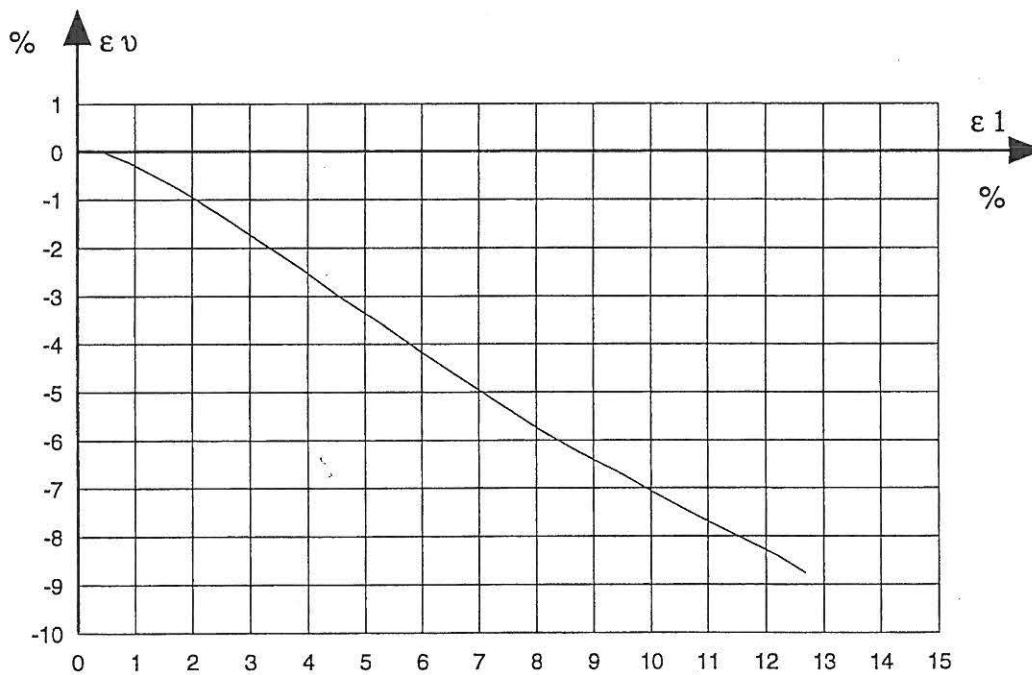
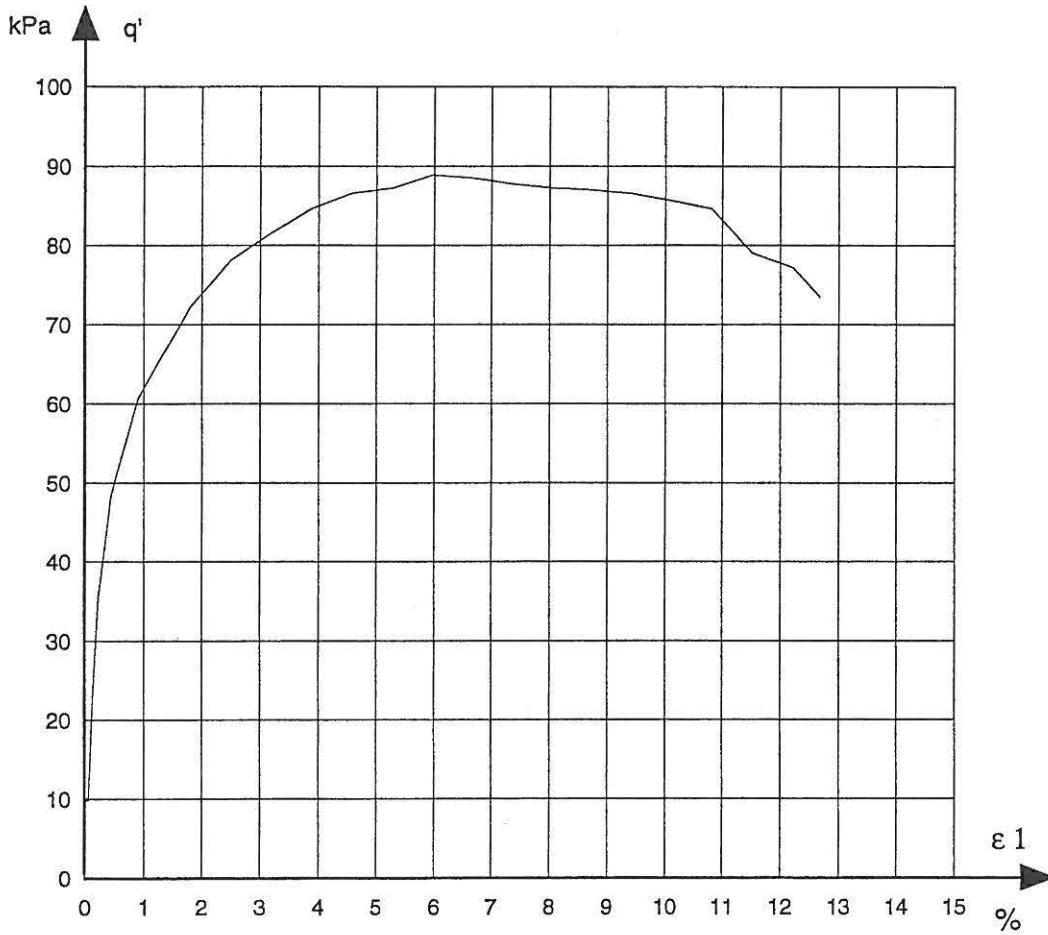
		Values at failure		Values for $\Delta\epsilon_v = 0$	
Deviator stress	q'	88.85	kPa	35.47	kPa
Mean normal stress	p'	49.62	kPa	31.82	kPa
Confining pressures	σ_3	20.00	kPa	20.00	kPa
Vertical strain	ϵ_1	5.97	%	0.22	%
Volumetric strain	ϵ_v	-4.15	%	0.04	%



q'	p'	ϵ_1	ϵ_v
9.80	23.27	0.00	0.00
9.78	23.26	0.06	0.04
22.64	27.55	0.13	0.04
35.47	31.82	0.22	0.04
48.20	36.07	0.43	0.00
60.61	40.20	0.89	-0.22
72.25	44.08	1.80	-0.79
78.18	46.06	2.51	-1.34
81.54	47.18	3.19	-1.88
84.63	48.21	3.88	-2.42
86.58	48.86	4.57	-3.03
87.23	49.08	5.28	-3.57
88.85	49.62	5.97	-4.15
88.48	49.49	6.67	-4.69
87.73	49.24	7.36	-5.23
87.21	49.07	8.05	-5.77
86.97	48.99	8.74	-6.24
86.53	48.84	9.43	-6.68
85.58	48.53	10.12	-7.15
84.62	48.21	10.81	-7.58
79.08	46.36	11.51	-7.99
77.24	45.75	12.21	-8.41
73.38	44.46	12.69	-8.77

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

Remark:

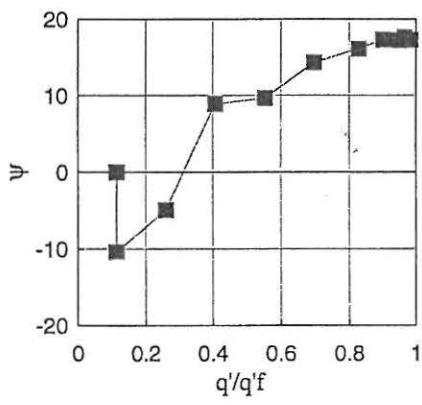
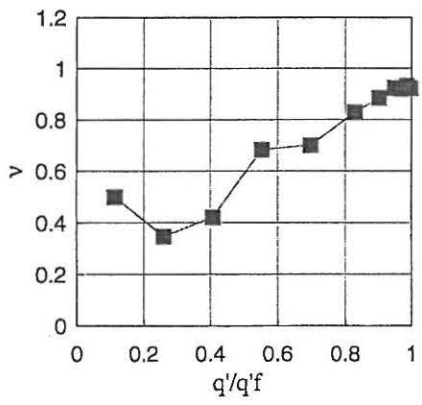


Job: Blokhus sand	Encl. No 24
Exc: HSP	Check: LB

Description of soil Blokhus sand		Water content %	Before test	At failure
		Grain density	21	
Calibration file	Date	Void ratio	2.65	0.645
Loadtransducer	27.07.73	Saturation	0.572	
2003		Dimension H mm	0.97	
		Dimension D mm	72	
			70	

TEST-PROGRAM	Drained compression.			
CD - Triaxial test. free ends	1. Isotropic compression.	σ_3	10-20 kPa	
		ϵ_1	0.02 %	
		ϵ_v	0.07 %	
	2. Drained compression.			
	Deformation rate:		9.6 % ph	

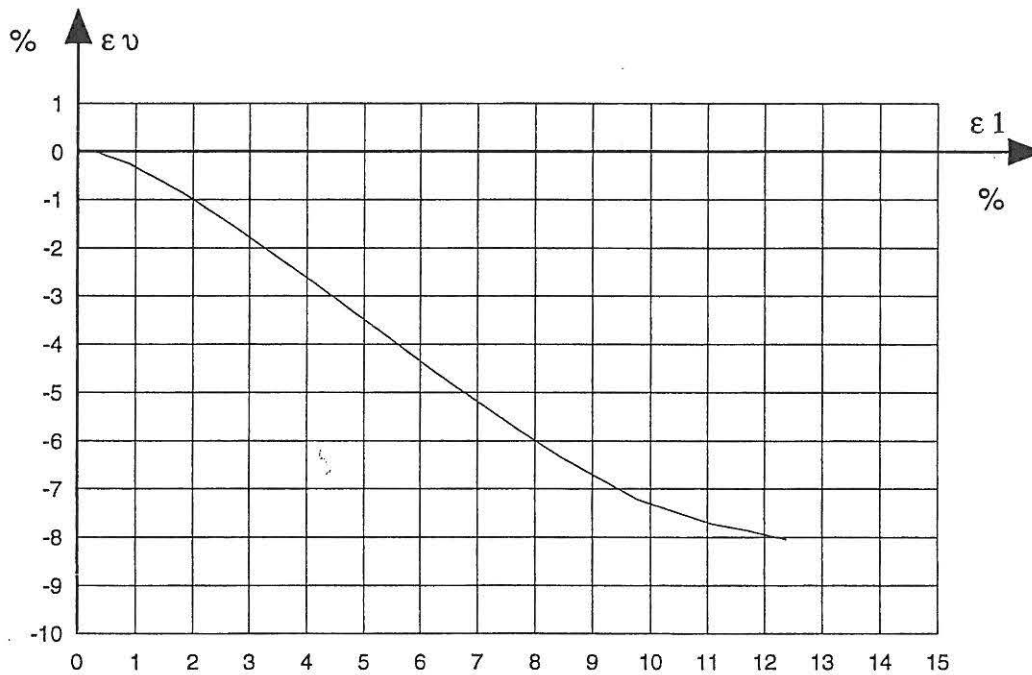
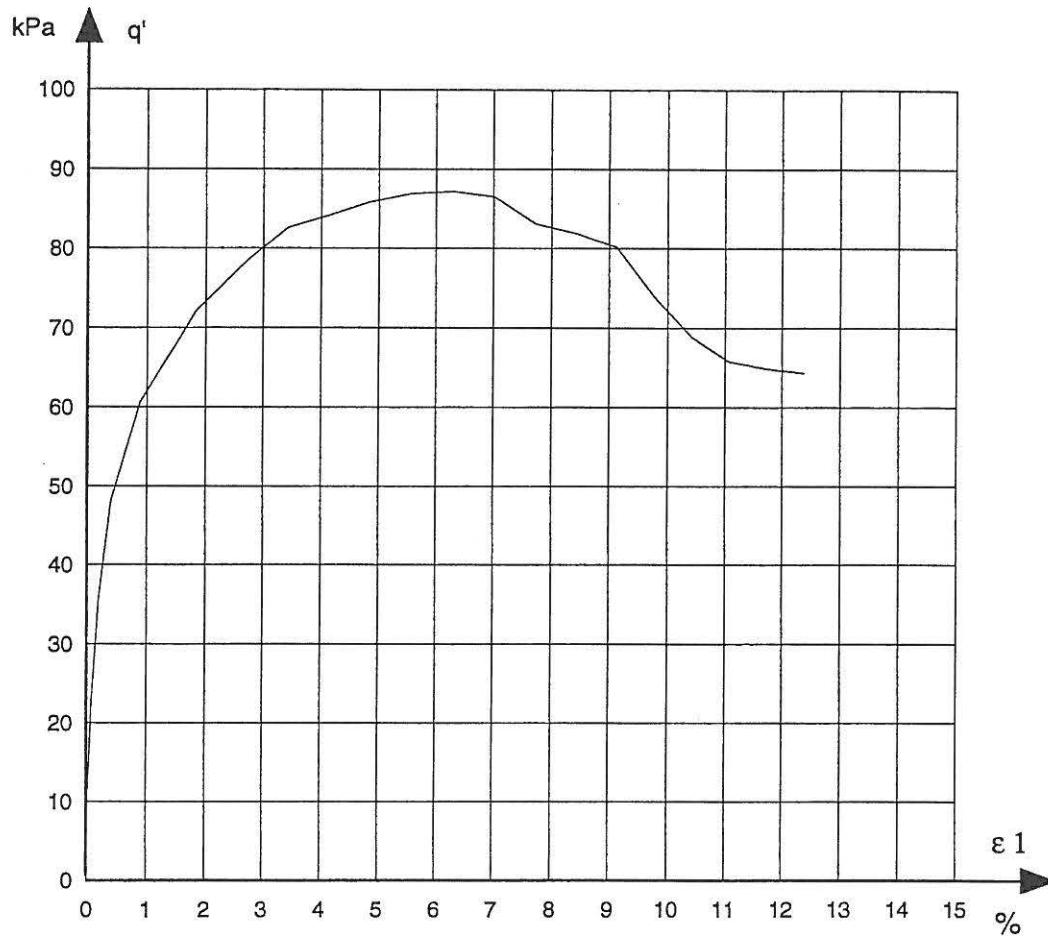
		Values at failure		Values for $\Delta\epsilon_v = 0$	
Deviator stress	q'	87.17	kPa	35.48	kPa
Mean normal stress	p'	49.06	kPa	31.83	kPa
Confining pressures	σ_3	20.00	kPa	20.00	kPa
Vertical strain	ϵ_1	6.31	%	0.19	%
Volumetric strain	ϵ_v	-4.62	%	0.04	%



q'	p'	ϵ_1	ϵ_v
9.80	23.27	0.00	0.00
9.78	23.26	0.02	0.00
22.65	27.55	0.08	0.02
35.48	31.83	0.19	0.04
48.21	36.07	0.39	-0.04
60.61	40.20	0.88	-0.23
72.17	44.06	1.84	-0.87
78.53	46.18	2.73	-1.55
82.62	47.54	3.43	-2.15
84.19	48.06	4.14	-2.74
85.82	48.61	4.85	-3.36
86.91	48.97	5.57	-3.97
87.17	49.06	6.31	-4.62
86.49	48.83	7.02	-5.20
83.12	47.71	7.72	-5.77
81.89	47.30	8.42	-6.32
80.22	46.74	9.11	-6.78
73.89	44.63	9.78	-7.22
68.90	42.97	10.42	-7.47
65.82	41.94	11.07	-7.72
64.91	41.64	11.72	-7.87
64.32	41.44	12.38	-8.05

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

Remark:

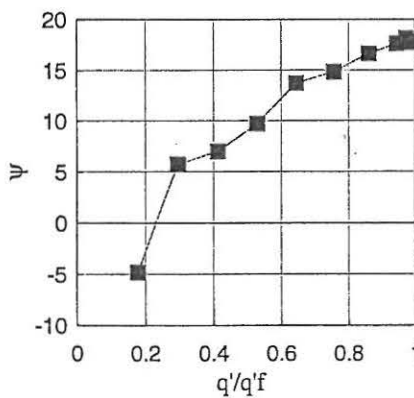
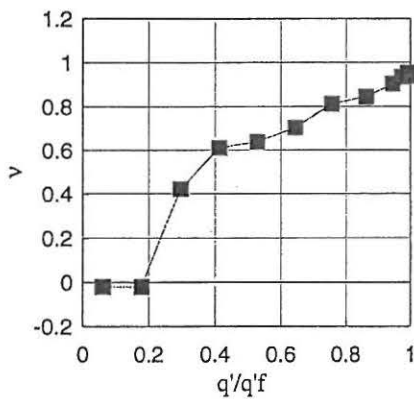


Job:	Blokhuis sand	Encl. No	26
Exc:	HSP	Check:	LB

Description of soil Blokhus sand		Water content %	Before test	At failure
		Grain density	21.7	
Calibration file	Date	Void ratio	0.581	0.652
Loadtransducer	30.07.73	Saturation	0.99	
2003		Dimension H mm	72	
		D mm	70	

TEST-PROGRAM	Drained compression.		
CD - Triaxial test. free ends	1. Isotropic compression.	σ_3	5-10 kPa
		ϵ_1	0.00 %
		ϵ_v	0.05 %
	2. Drained compression.		
	Deformation rate:		9.6 % ph

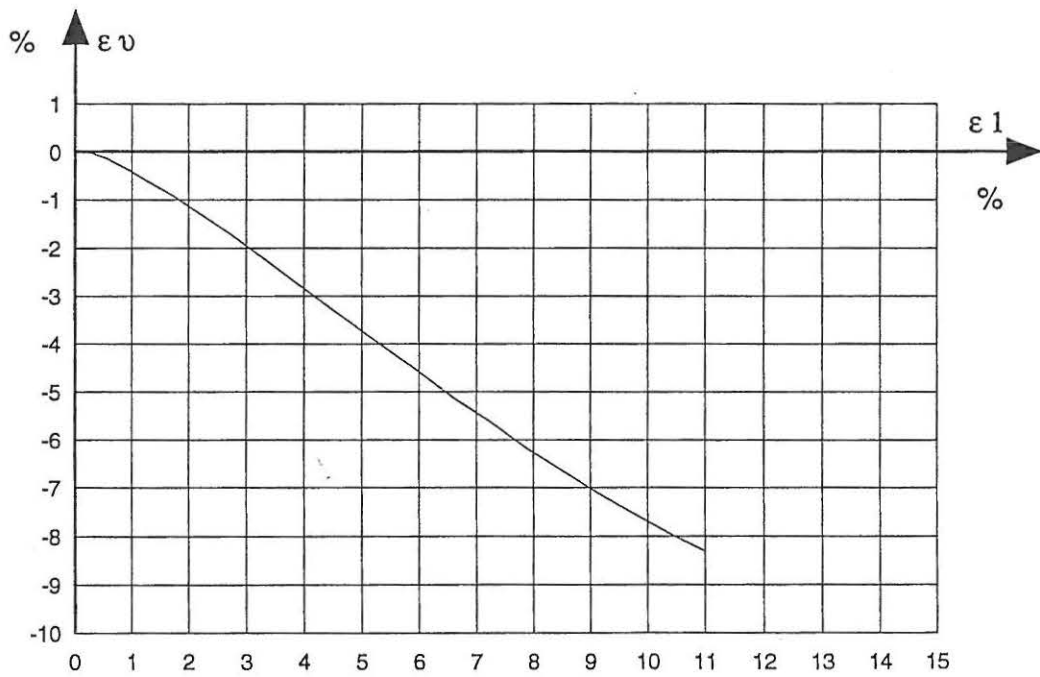
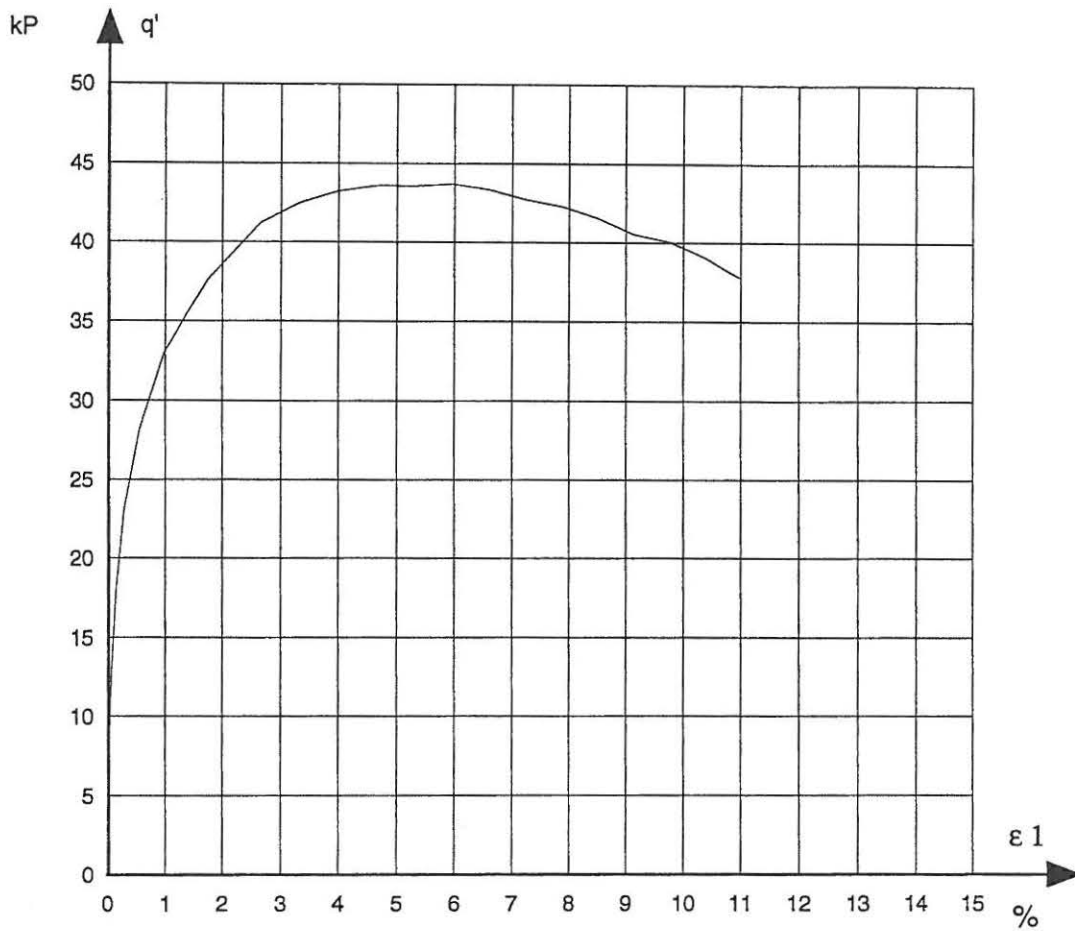
		Values at failure		Values for $\Delta\epsilon_v = 0$	
Deviator stress	q'	43.68	kPa	12.87	kPa
Mean normal stress	p'	24.56	kPa	14.29	kPa
Confining pressures	σ_3	10.00	kPa	10.00	kPa
Vertical strain	ϵ_1	5.96	%	0.07	%
Volumetric strain	ϵ_v	-4.55	%	0.04	%



q'	p'	ϵ_1	ϵ_v
2.60	10.87	0.00	0.00
2.58	10.86	0.01	0.01
7.73	12.58	0.03	0.03
12.87	14.29	0.07	0.04
18.00	16.00	0.16	0.02
23.11	17.70	0.29	-0.02
28.13	19.38	0.55	-0.13
33.01	21.00	0.99	-0.40
37.61	22.54	1.75	-0.92
41.22	23.74	2.66	-1.66
42.46	24.15	3.33	-2.24
43.21	24.40	4.00	-2.85
43.58	24.53	4.66	-3.43
43.56	24.52	5.32	-4.01
43.68	24.56	5.96	-4.55
43.33	24.44	6.60	-5.12
42.69	24.23	7.25	-5.63
42.27	24.09	7.88	-6.17
41.53	23.84	8.51	-6.64
40.50	23.50	9.14	-7.11
40.06	23.35	9.76	-7.54
39.09	23.03	10.38	-7.94
37.80	22.60	10.98	-8.30

Job:	Encl. No
Blokhus sand	27
Exc:	Check:
HSP	LB

Remark:

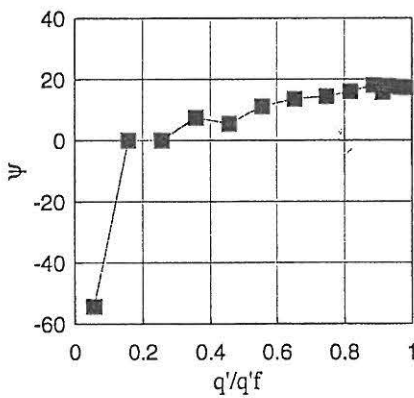
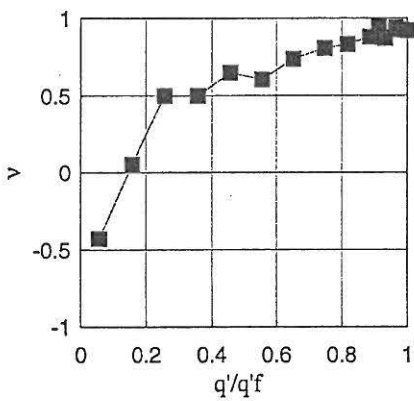


Job: Blokhus sand	Encl. No 28
Exc: HSP	Check: LB

Description of soil Blokhus sand		Water content %	Before test	At failure
		Grain density	22.1	
Calibration file	Date	Void ratio	0.590	0.655
Loadtransducer 2003	31.07.73	Saturation	0.99	
		Dimension H mm	72	
		D mm	70	

TEST-PROGRAM	Drained compression.		
CD - Triaxial test. free ends	1. Isotropic compression.	σ_3	5-10 kPa
		ϵ_1	0.01 %
		ϵ_v	0.1 %
	2. Drained compression.		
	Deformation rate:		9.6 % ph

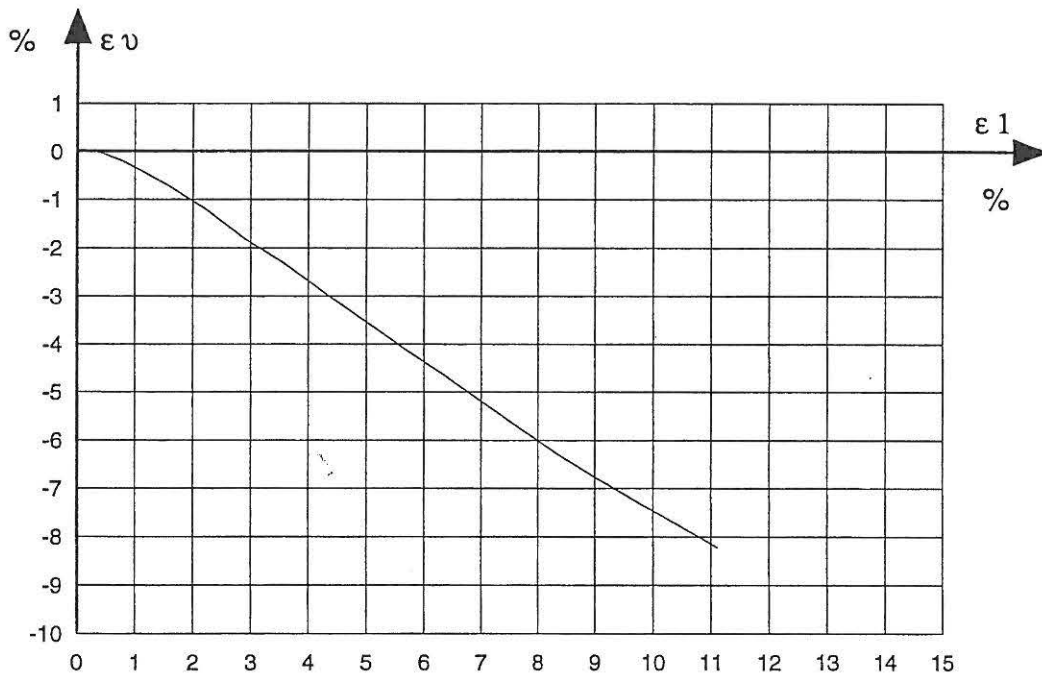
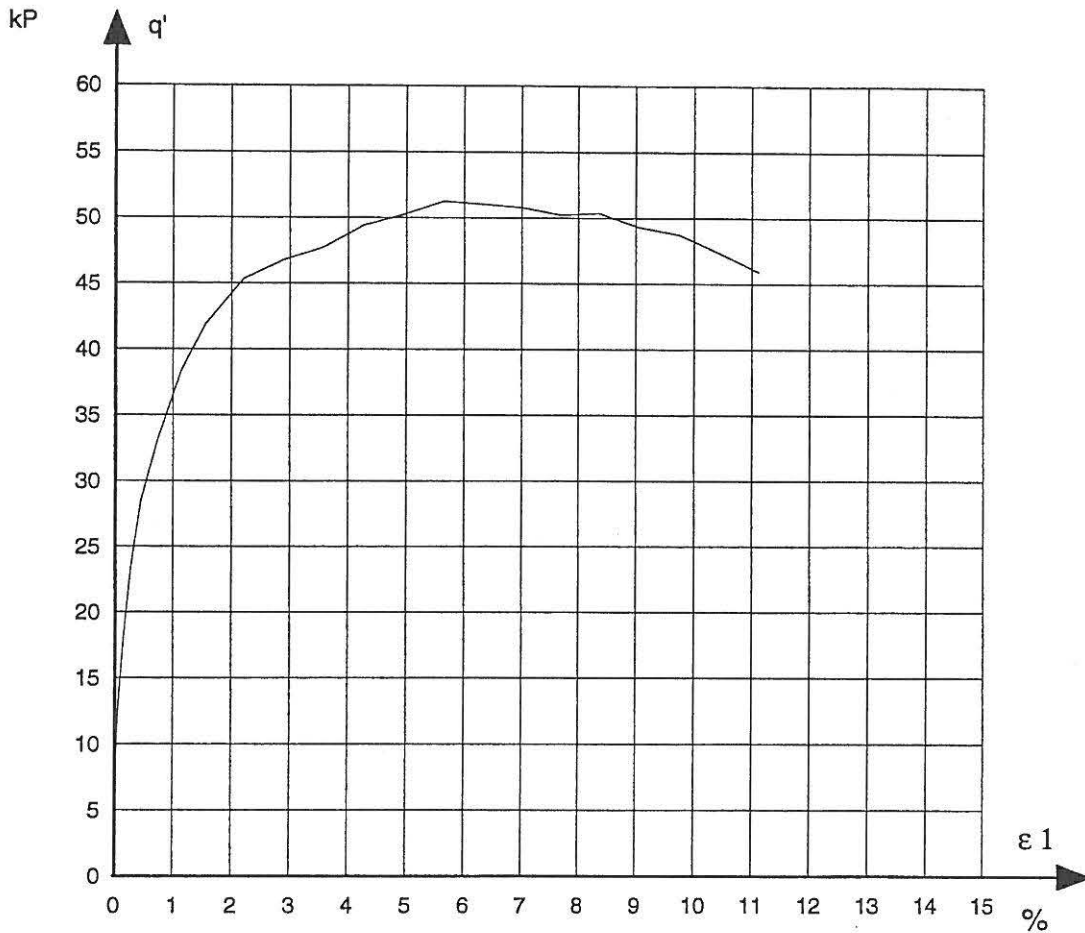
		Values at failure		Values for $\Delta\epsilon_v = 0$	
Deviator stress	q'	51.22	kPa	18.26	kPa
Mean normal stress	p'	27.07	kPa	16.09	kPa
Confining pressures	σ_3	10.00	kPa	10.00	kPa
Vertical strain	ϵ_1	5.64	%	0.16	%
Volumetric strain	ϵ_v	-4.08	%	0.04	%



q'	p'	ϵ_1	ϵ_v
2.80	10.93	0.00	0.00
2.83	10.94	0.01	0.02
7.98	12.66	0.03	0.04
13.13	14.38	0.08	0.04
18.26	16.09	0.16	0.04
23.37	17.79	0.28	0.00
28.44	19.48	0.45	-0.04
33.42	21.14	0.75	-0.18
38.28	22.76	1.14	-0.42
41.85	23.95	1.55	-0.69
45.34	25.11	2.21	-1.19
46.77	25.59	2.89	-1.80
47.71	25.90	3.58	-2.31
49.38	26.46	4.27	-2.92
50.23	26.74	4.95	-3.50
51.22	27.07	5.64	-4.08
51.01	27.00	6.32	-4.62
50.77	26.92	7.00	-5.20
50.22	26.74	7.68	-5.76
50.35	26.78	8.37	-6.30
49.29	26.43	9.05	-6.80
48.74	26.25	9.74	-7.29
47.34	25.78	10.43	-7.76
45.89	25.30	11.12	-8.23

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

Remark:
Bad saturation - membrane seems dry

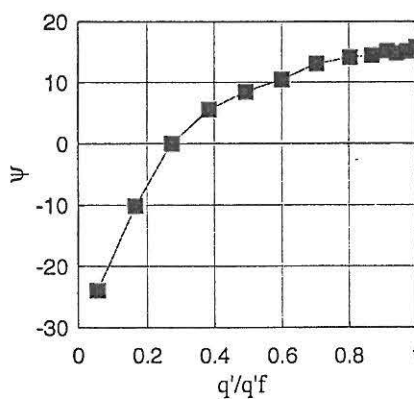
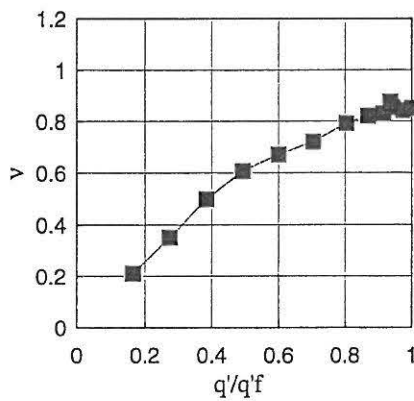


Job:	Blokhuis sand	Encl. No	30
Exc:	HSP	Check:	LB

Description of soil Blokhus sand		Water content %	Before test	At failure
		Grain density	23.6	
Calibration file	Date	Void ratio	0.636	0.685
Loadtransducer	31.07.73	Saturation	0.98	
2003		Dimension H mm	72	
		D mm	70	

TEST-PROGRAM	Drained compression.		
CD - Triaxial test. free ends	1. Isotropic compression.	σ_3	5-10 kPa
		ϵ_1	0.01 %
		ϵ_v	0.05 %
	2. Drained compression.		
	Deformation rate:		9.6 % ph

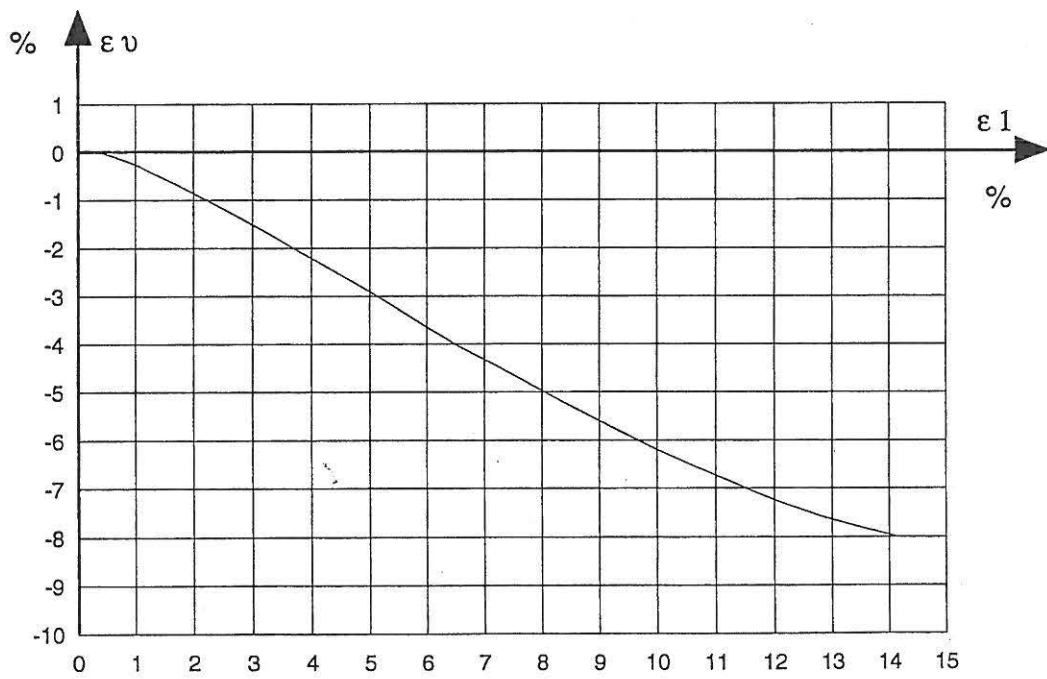
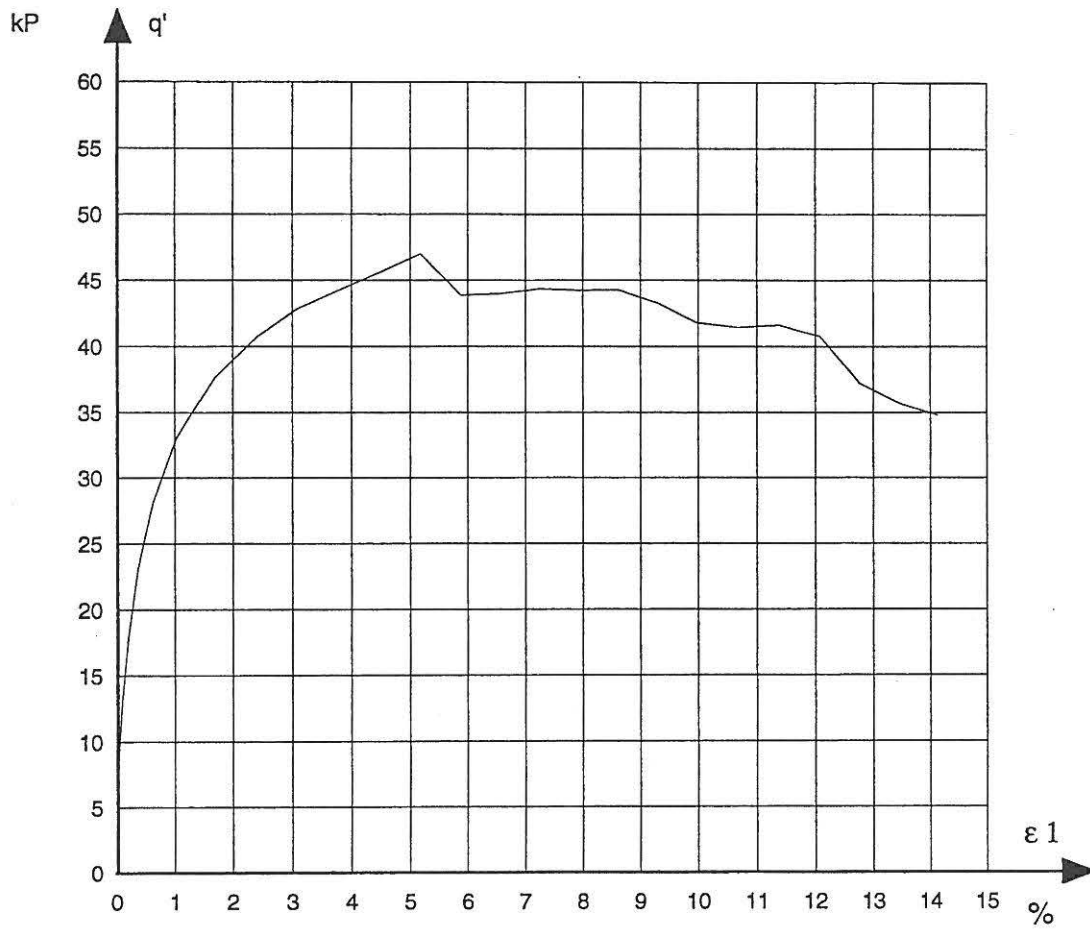
		Values at failure		Values for $\Delta \epsilon_v = 0$	
Deviator stress	q'	46.97	kPa	18.00	kPa
Mean normal stress	p'	25.66	kPa	16.00	kPa
Confining pressures	σ_3	10.00	kPa	10.00	kPa
Vertical strain	ϵ_1	5.18	%	0.19	%
Volumetric strain	ϵ_v	-3.03	%	0.04	%



q'	p'	ϵ_1	ϵ_v
2.60	10.87	0.00	0.00
7.72	12.57	0.03	0.02
12.87	14.29	0.09	0.04
18.00	16.00	0.19	0.04
23.09	17.70	0.36	0.00
28.12	19.37	0.62	-0.09
33.04	21.01	1.03	-0.27
37.71	22.57	1.71	-0.67
40.76	23.59	2.41	-1.12
42.85	24.28	3.09	-1.57
44.24	24.75	3.78	-2.06
45.62	25.21	4.49	-2.54
46.97	25.66	5.18	-3.03
43.86	24.62	5.87	-3.55
43.99	24.66	6.56	-4.04
44.35	24.78	7.24	-4.48
44.24	24.75	7.93	-4.93
44.27	24.76	8.61	-5.36
43.28	24.43	9.29	-5.77
41.78	23.93	9.99	-6.19
41.44	23.81	10.68	-6.57
41.61	23.87	11.39	-6.93
37.22	22.41	12.76	-7.56
34.80	21.60	14.14	-7.99

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

Remark:

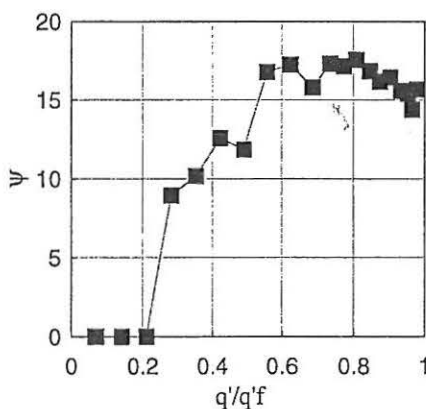
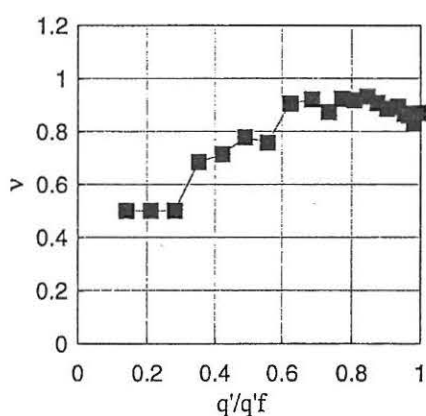


Job:	Blokhuis sand	Encl. No	32
Exc:	HSP	Check:	LB

Description of soil Blokhus sand		Water content %	Before test	At failure
		Grain density	22.1	
Calibration file	Date	Void ratio	2.65	0.723
Loadtransducer 181	07.08.73	Saturation	0.603	
		Dimension H mm	0.98	
		D mm	72	
			70	

TEST-PROGRAM	Drained compression.		
CD - Triaxial test. free ends	1. Isotropic compression.	σ_3	5-5 kPa
		ϵ_1	0.00 %
		ϵ_v	0.00 %
	2. Drained compression.		
	Deformation rate:		9.6 % ph

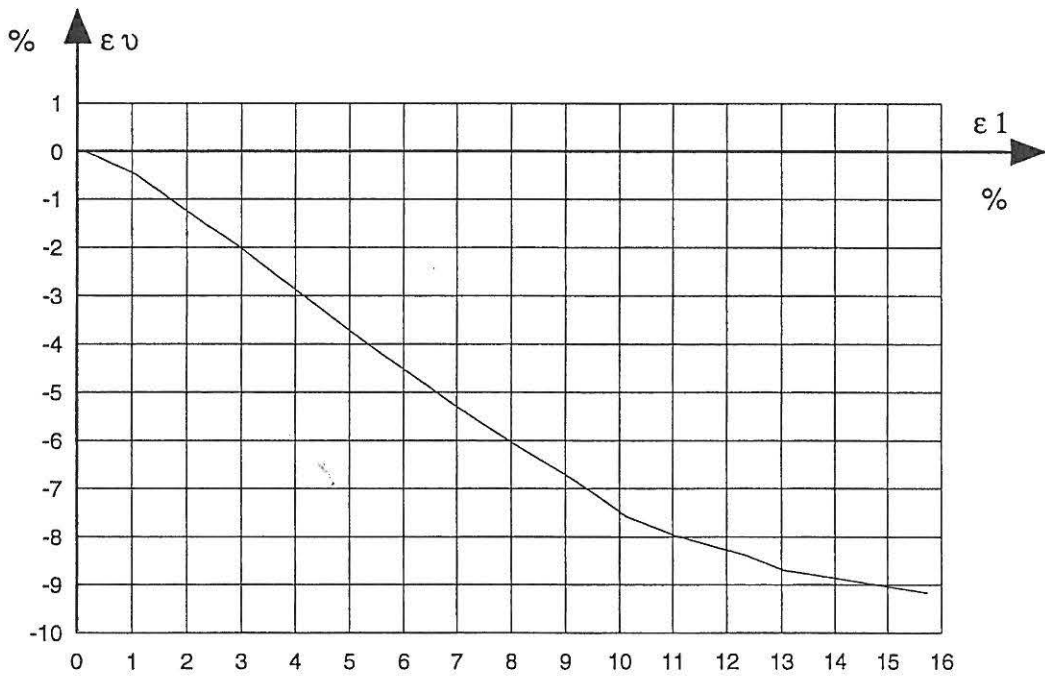
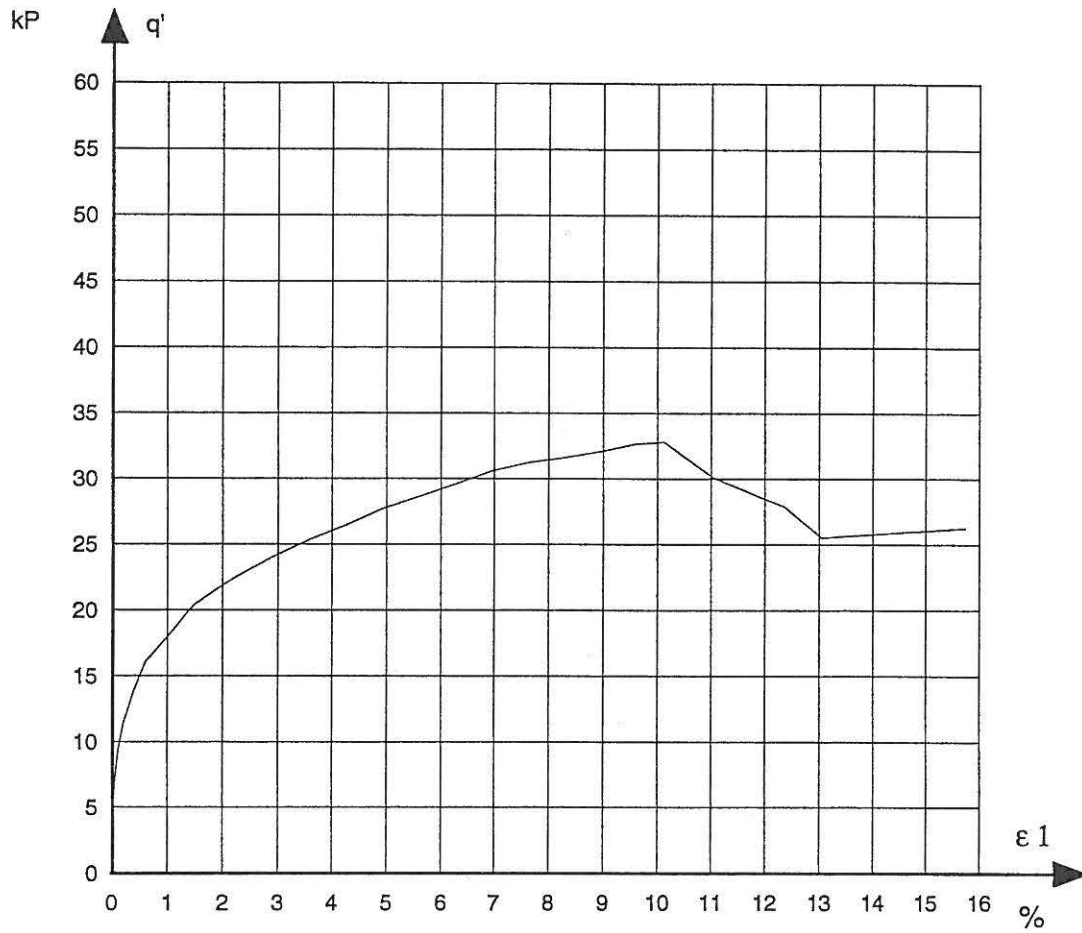
		Values at failure	Values for $\Delta \epsilon_v = 0$
Deviator stress	q'		9.23 kPa
Mean normal stress	p'		8.08 kPa
Confining pressures	σ_3		5.00 kPa
Vertical strain	ϵ_1		0.12 %
Volumetric strain	ϵ_v		0.00 %



q'	p'	ϵ_1	ϵ_v
2.24	5.75	0.00	0.00
4.57	6.52	0.02	0.00
6.90	7.30	0.06	0.00
9.23	8.08	0.12	0.00
11.54	8.85	0.21	-0.04
13.84	9.61	0.38	-0.11
16.10	10.37	0.61	-0.23
18.29	11.10	1.06	-0.47
20.43	11.81	1.49	-0.81
22.43	12.48	2.19	-1.41
24.05	13.02	2.91	-1.95
25.32	13.44	3.57	-2.51
26.45	13.82	4.24	-3.07
27.70	14.23	4.91	-3.65
28.62	14.54	5.59	-4.20
29.59	14.86	6.27	-4.73
30.60	15.20	6.96	-5.27
31.25	15.42	7.64	-5.77
31.62	15.54	8.32	-6.26
32.12	15.71	9.00	-6.71
32.65	15.88	9.58	-7.15
32.79	15.93	10.13	-7.58
27.88	14.29	12.36	-8.39
26.27	13.76	15.75	-9.17

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

Remark:
No isotropic consolidation.
The specimen slipped out before failure.

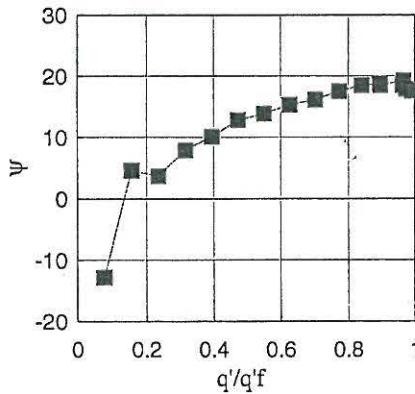
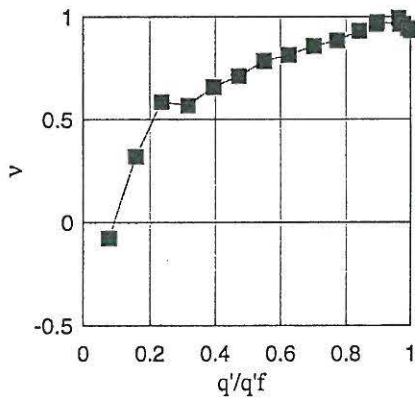


Job: Blokhus sand	Encl. No 34
Exc: HSP	Check: LB

Description of soil Blokhus sand		Water content %	21.5	At failure
		Grain density	2.65	
Calibration file	Date	Void ratio	0.573	0.668
Loadtransducer	08.08.73	Saturation	1	
181		Dimension H mm	72	
		D mm	70	

TEST-PROGRAM	Drained compression.		
CD - Triaxial test. free ends	1. Isotropic compression.	σ_3	5-5 kPa
		ϵ_1	0.00 %
		ϵ_v	0.00 %
	2. Drained compression.		
	Deformation rate:		10.1 % ph

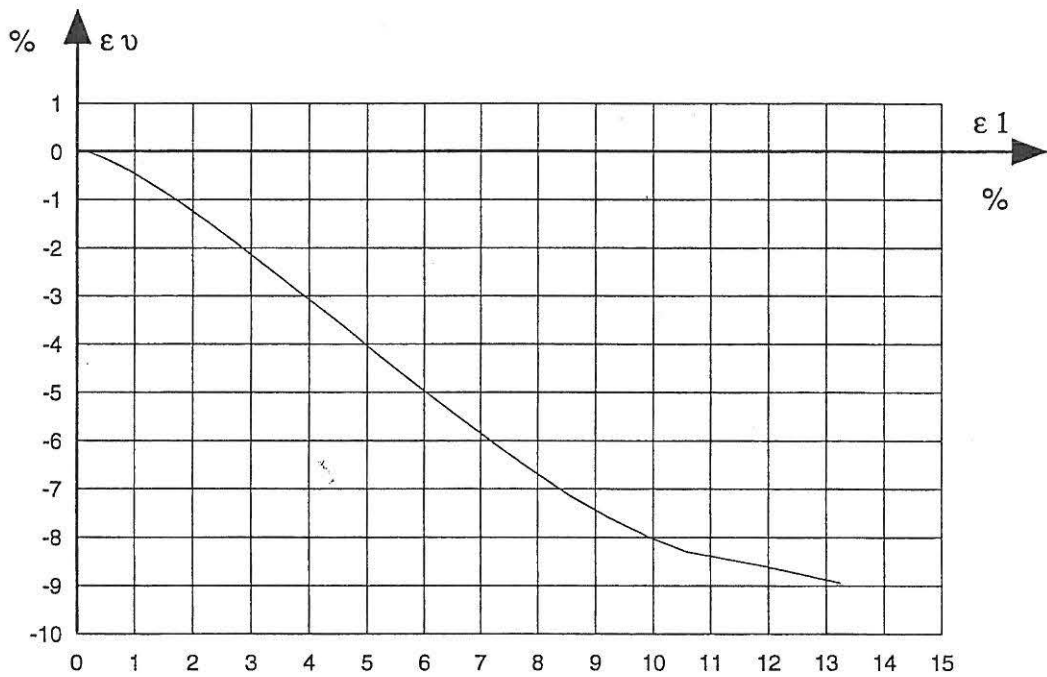
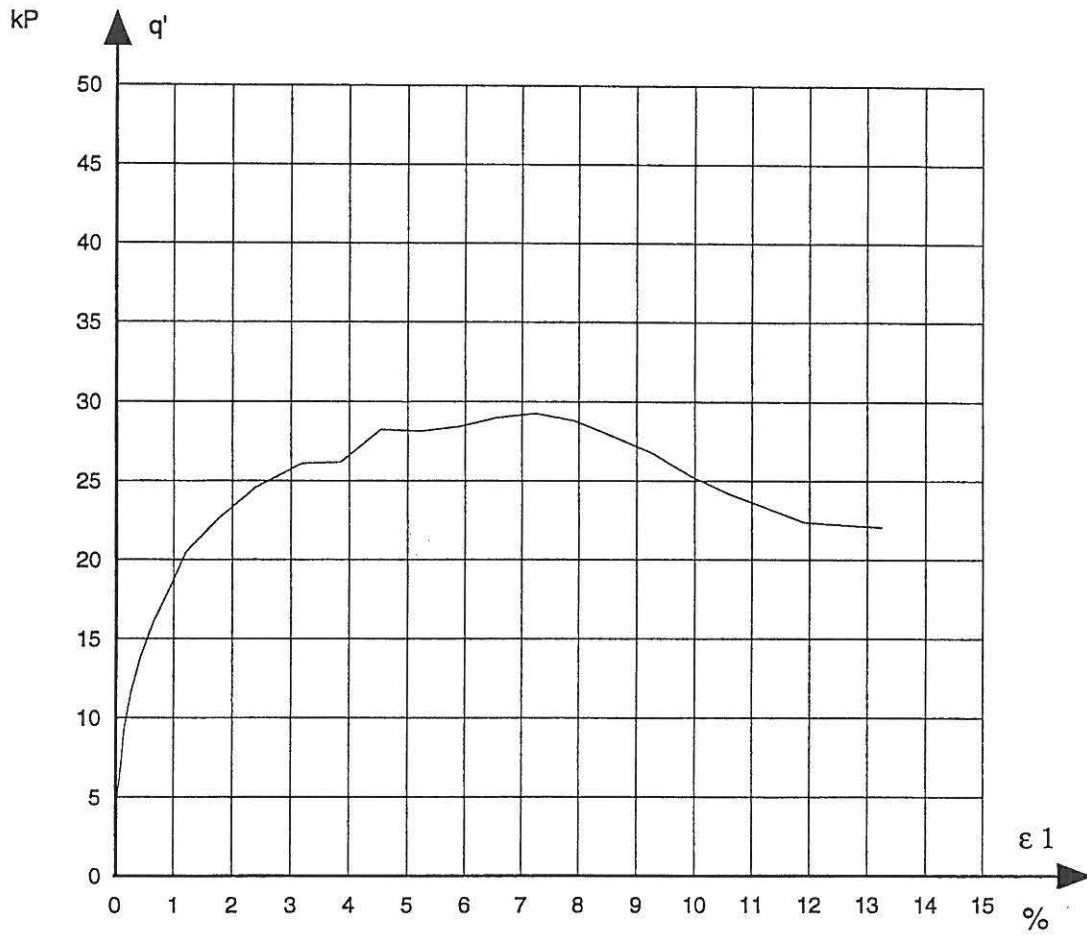
		Values at failure		Values for $\Delta \epsilon_v = 0$	
Deviator stress	q'	29.26	kPa	4.56	kPa
Mean normal stress	p'	14.75	kPa	6.52	kPa
Confining pressures	σ_3	5.00	kPa	5.00	kPa
Vertical strain	ϵ_1	7.25	%	0.04	%
Volumetric strain	ϵ_v	-6.06	%	0.02	%



q'	p'	ϵ_1	ϵ_v
2.23	5.74	0.00	0.00
2.23	5.74	0.01	0.01
4.56	6.52	0.04	0.02
6.89	7.30	0.10	0.01
9.22	8.07	0.15	0.00
11.53	8.85	0.26	-0.04
13.82	9.63	0.43	-0.11
16.09	10.38	0.66	-0.23
18.31	11.13	0.94	-0.42
20.52	11.89	1.22	-0.61
22.59	12.61	1.76	-1.03
24.57	13.24	2.39	-1.57
26.11	13.79	3.19	-2.31
26.19	13.80	3.85	-2.94
28.25	14.44	4.54	-3.57
28.15	14.38	5.21	-4.24
28.45	14.48	5.89	-4.87
29.00	14.67	6.56	-5.47
29.26	14.75	7.25	-6.06
28.83	14.61	7.92	-6.62
27.82	14.27	8.59	-7.16
26.79	13.93	9.26	-7.61
24.21	13.44	9.92	-7.99
22.05	13.07	10.59	-8.30

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

Remark:
No isotropic consolidation.

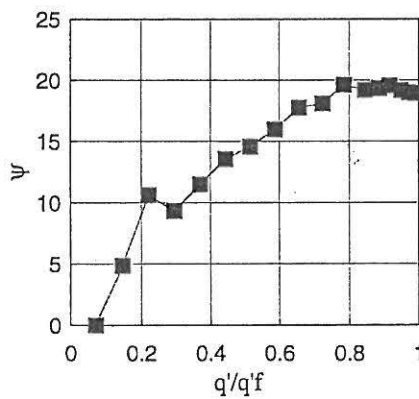
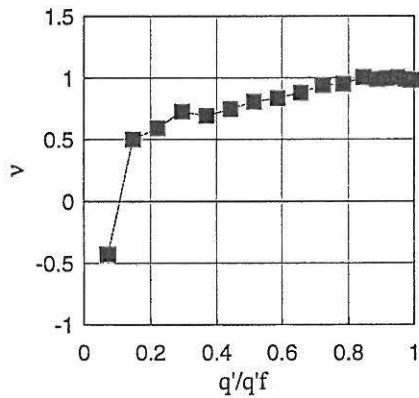


Job:	Encl. No
Blokhus sand	36
Exc:	Check:
HSP	LB

Description of soil Blokhus sand		Water content %	Before test	At failure
		Grain density	21.3	
Calibration file	Date	Void ratio	0.571	0.685
Loadtransducer	09.08.73	Saturation	0.99	
181		Dimension H mm	72	
		D mm	70	

TEST-PROGRAM	Drained compression.		
CD - Triaxial test. free ends	1. Isotropic compression.	σ_3	5-5 kPa
		ϵ_1	0.00 %
		ϵ_v	0.00 %
	2. Drained compression.		
	Deformation rate:		10.1 % ph

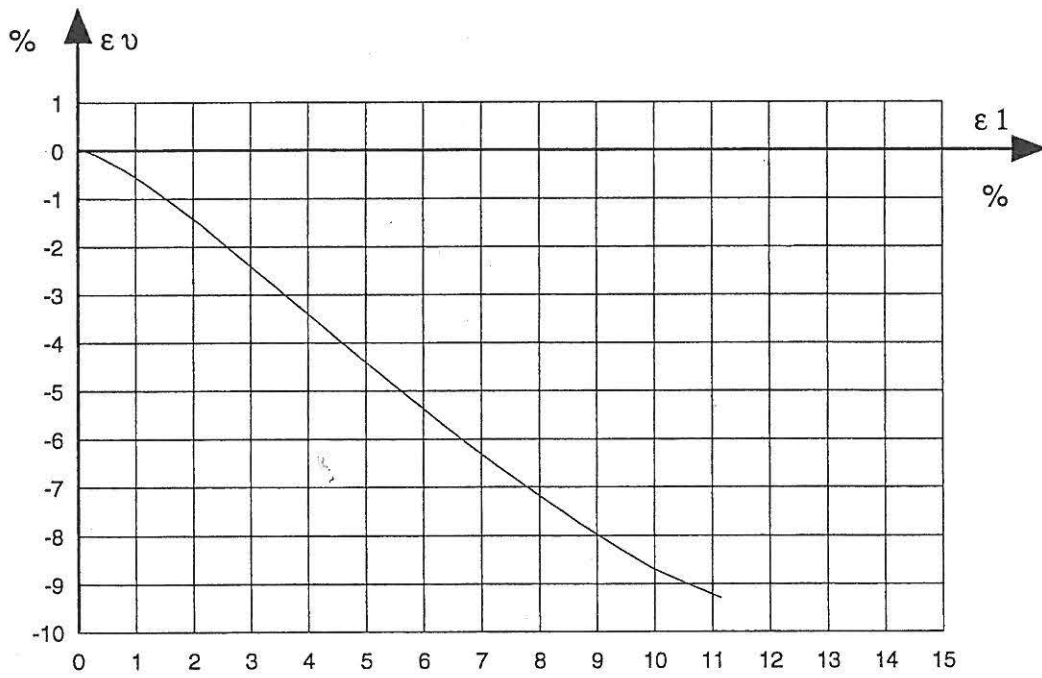
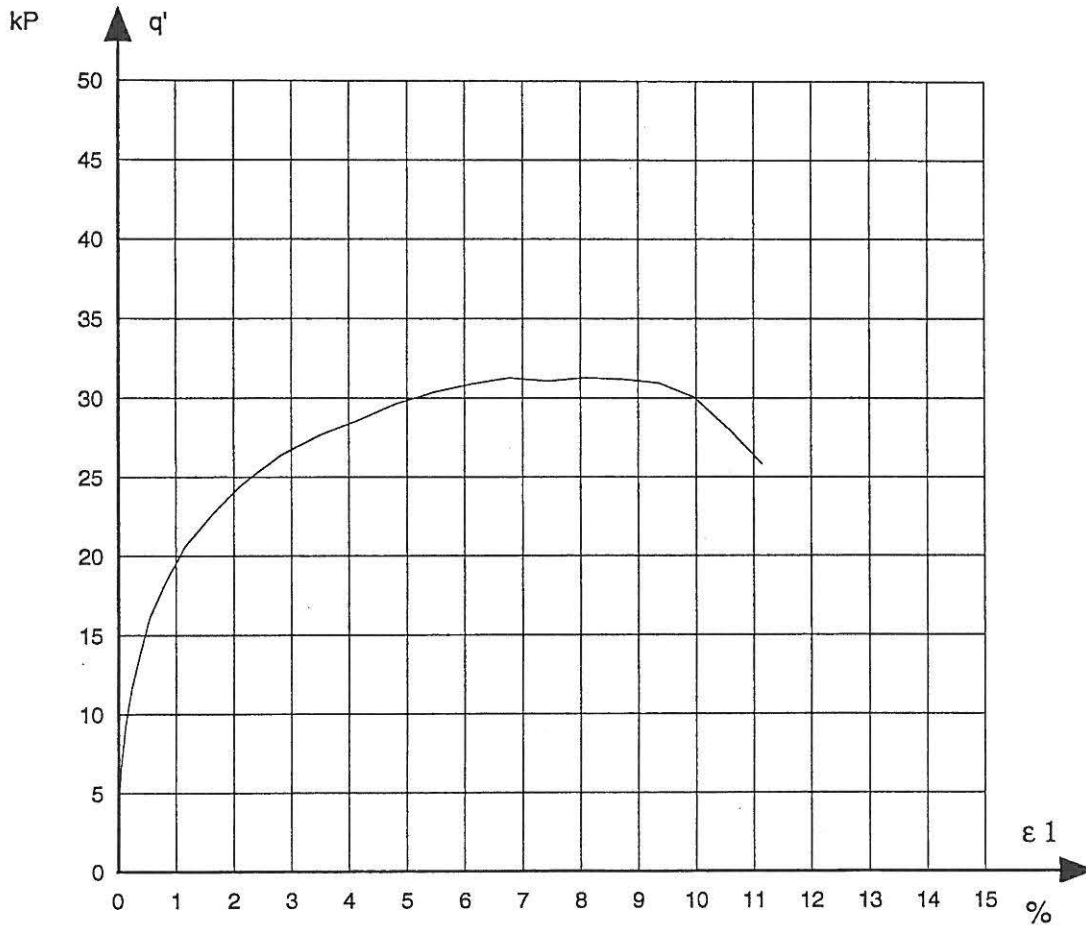
		Values at failure		Values for $\Delta\epsilon_v = 0$	
Deviator stress	q'	31.27	kPa	4.57	kPa
Mean normal stress	p'	15.42	kPa	6.52	kPa
Confining pressures	σ_3	5.00	kPa	5.00	kPa
Vertical strain	ϵ_1	8.07	%	0.03	%
Volumetric strain	ϵ_v	-7.24	%	0.02	%



q'	p'	ϵ_1	ϵ_v
2.24	5.75	0.00	0.00
2.24	5.75	0.01	0.02
4.57	6.52	0.03	0.02
6.90	7.30	0.07	0.01
9.23	8.08	0.14	-0.02
11.54	8.85	0.23	-0.05
13.84	9.61	0.38	-0.13
16.11	10.37	0.55	-0.23
18.35	11.12	0.82	-0.42
20.53	11.84	1.15	-0.67
22.62	12.54	1.63	-1.08
24.50	13.17	2.13	-1.53
26.37	13.79	2.80	-2.22
27.63	14.21	3.47	-2.87
28.58	14.53	4.14	-3.54
29.64	14.88	4.80	-4.20
30.36	15.12	5.47	-4.85
30.89	15.30	6.12	-5.49
31.27	15.42	6.78	-6.12
31.07	15.36	7.43	-6.69
31.27	15.42	8.07	-7.24
31.20	15.40	8.72	-7.76
30.06	15.32	9.35	-8.25
25.78	15.02	9.97	-8.68

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

Remark:
No isotropic consolidation.

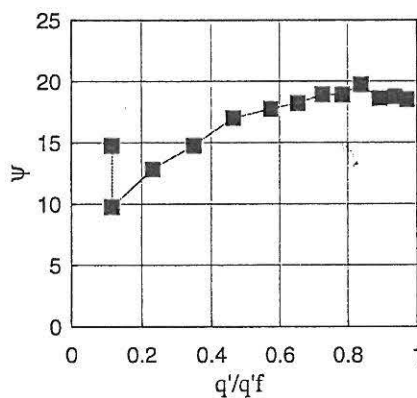
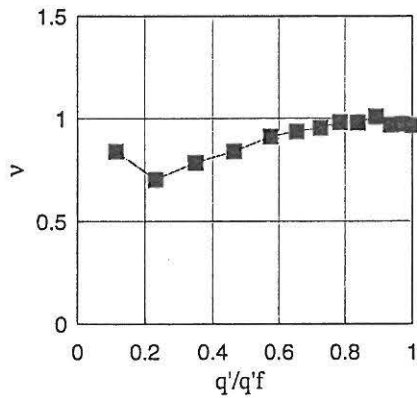


Job:	Blokhus sand	Encl. No	38
Exc:	HSP	Check:	LB

Description of soil Blokhus sand		Water content %	Before test	At failure
		Grain density	2.65	
Calibration file	Date	Void ratio	0.579	0.676
Loadtransducer 181	09.08.73	Saturation		
		Dimension H mm	72	
		D mm	70	

TEST-PROGRAM	Drained compression.		
CD - Triaxial test. free ends	1. Isotropic compression.	σ_3	5-2.5 kPa
		ϵ_1	0.00 %
		ϵ_v	0.05 %
	2. Drained compression.		
	Deformation rate:		9.9 % ph

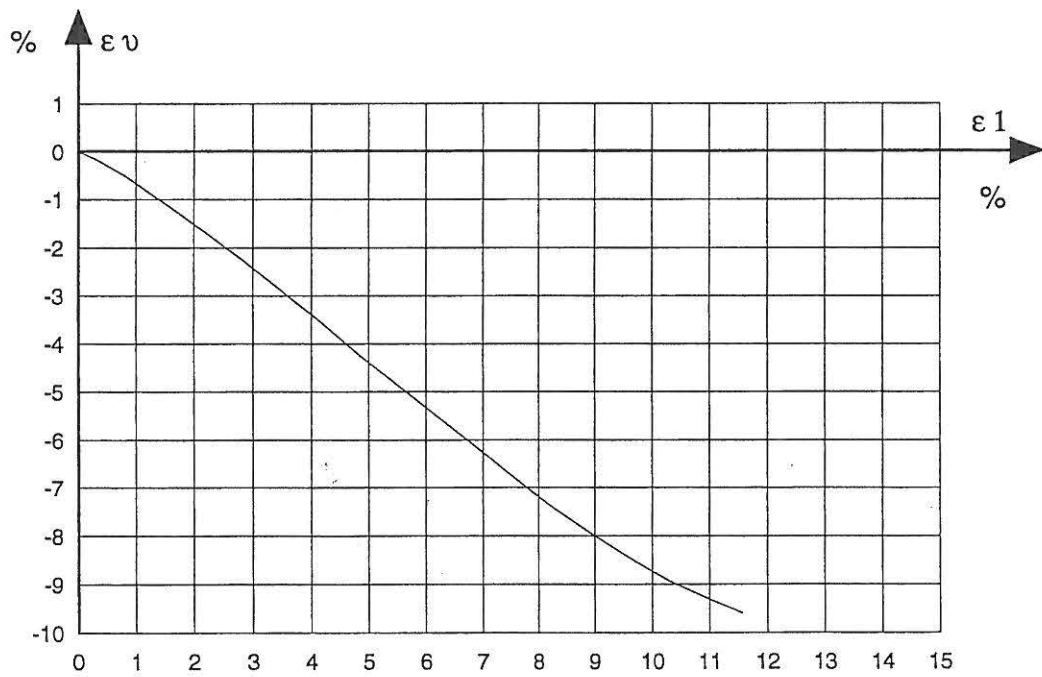
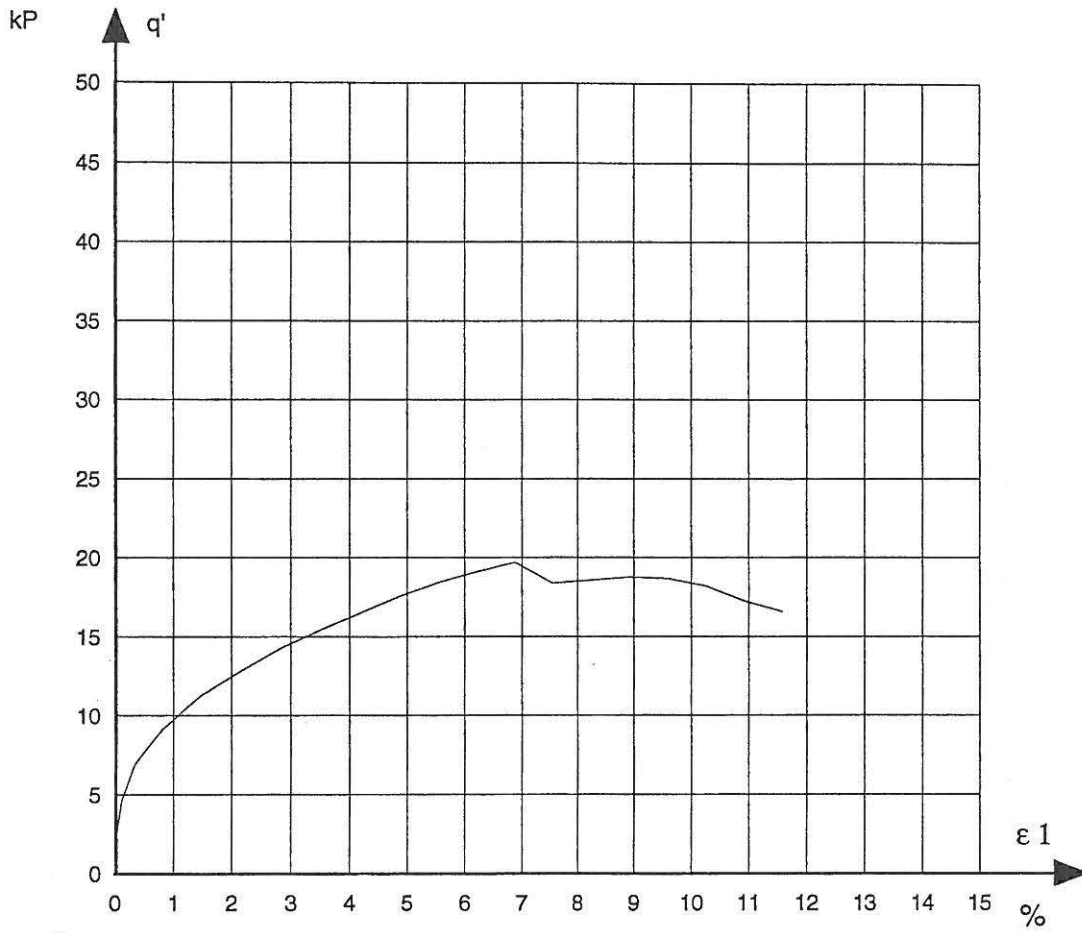
		Values at failure		Values for $\Delta\epsilon_v = 0$	
Deviator stress	q'	19.70	kPa	2.24	kPa
Mean normal stress	p'	9.07	kPa	3.25	kPa
Confining pressures	σ_3	2.50	kPa	2.50	kPa
Vertical strain	ϵ_1	6.88	%	0.00	%
Volumetric strain	ϵ_v	-6.15	%	0.00	%



q'	p'	ϵ_1	ϵ_v
2.24	3.25	0.00	0.00
2.24	3.25	0.03	-0.02
4.57	4.02	0.11	-0.05
6.87	4.79	0.34	-0.18
9.12	5.54	0.81	-0.51
11.28	6.26	1.49	-1.06
12.85	6.78	2.17	-1.66
14.29	7.26	2.84	-2.27
15.44	7.65	3.52	-2.92
16.49	8.00	4.19	-3.57
17.54	8.35	4.86	-4.26
18.41	8.64	5.54	-4.89
19.10	8.87	6.20	-5.52
19.70	9.07	6.88	-6.15
18.38	8.63	7.55	-6.78
18.58	8.69	8.24	-7.40
18.76	8.75	8.92	-7.94
18.68	8.73	9.58	-8.44
18.19	8.56	10.26	-8.91
17.23	8.24	10.93	-9.28
16.56	8.02	11.59	-9.60

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

Remark: No measurement during saturation.
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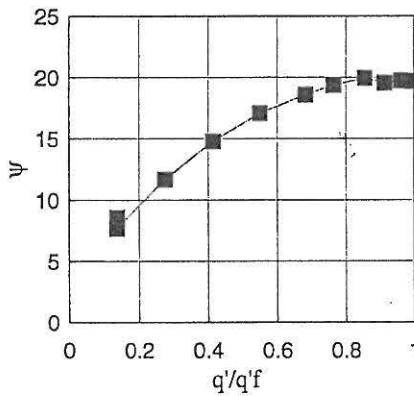
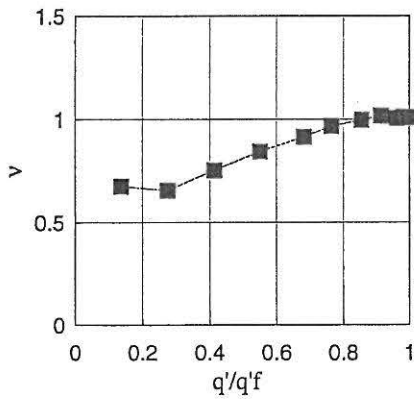


Job: Blokhus sand	Encl. No 40
Exc: HSP	Check: LB

Description of soil Blokhus sand		Water content %	Before test	At failure
		Grain density	21.5	
Calibration file	Date	Void ratio	0.586	0.664
Loadtransducer 181	10.08.73	Saturation	0.97	
		Dimension H mm	72	
		D mm	70	

TEST-PROGRAM	Drained compression.		
CD - Triaxial test. free ends	1. Isotropic compression.	σ_3	5-2.5 kPa
		ϵ_1	0.00 %
		ϵ_v	0.04 %
	2. Drained compression.		
	Deformation rate:		9.9 % ph

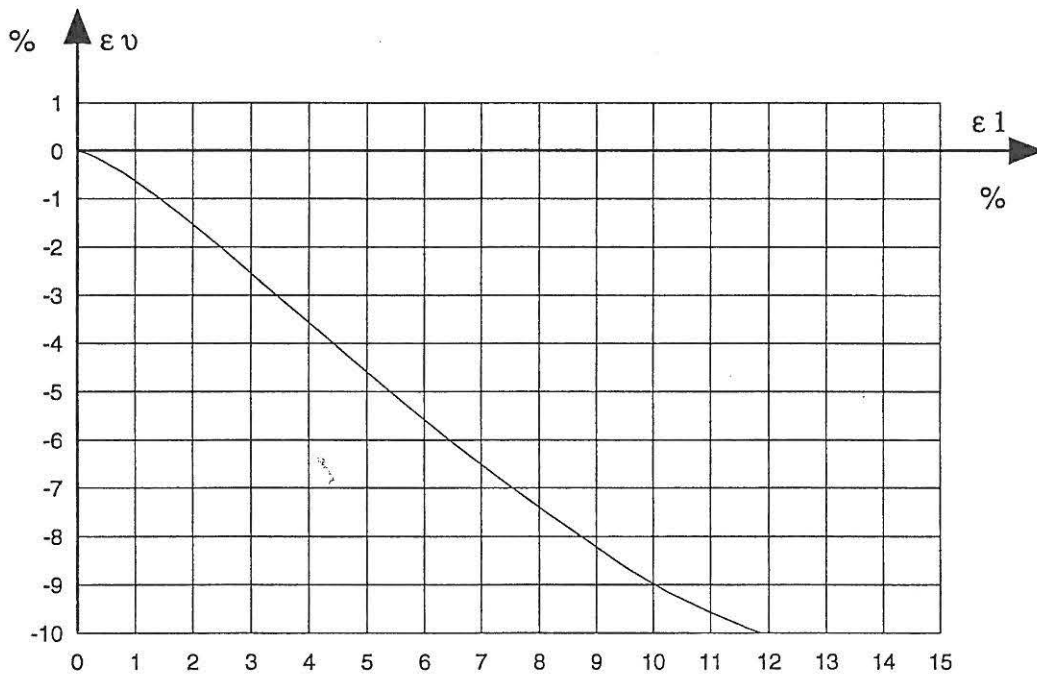
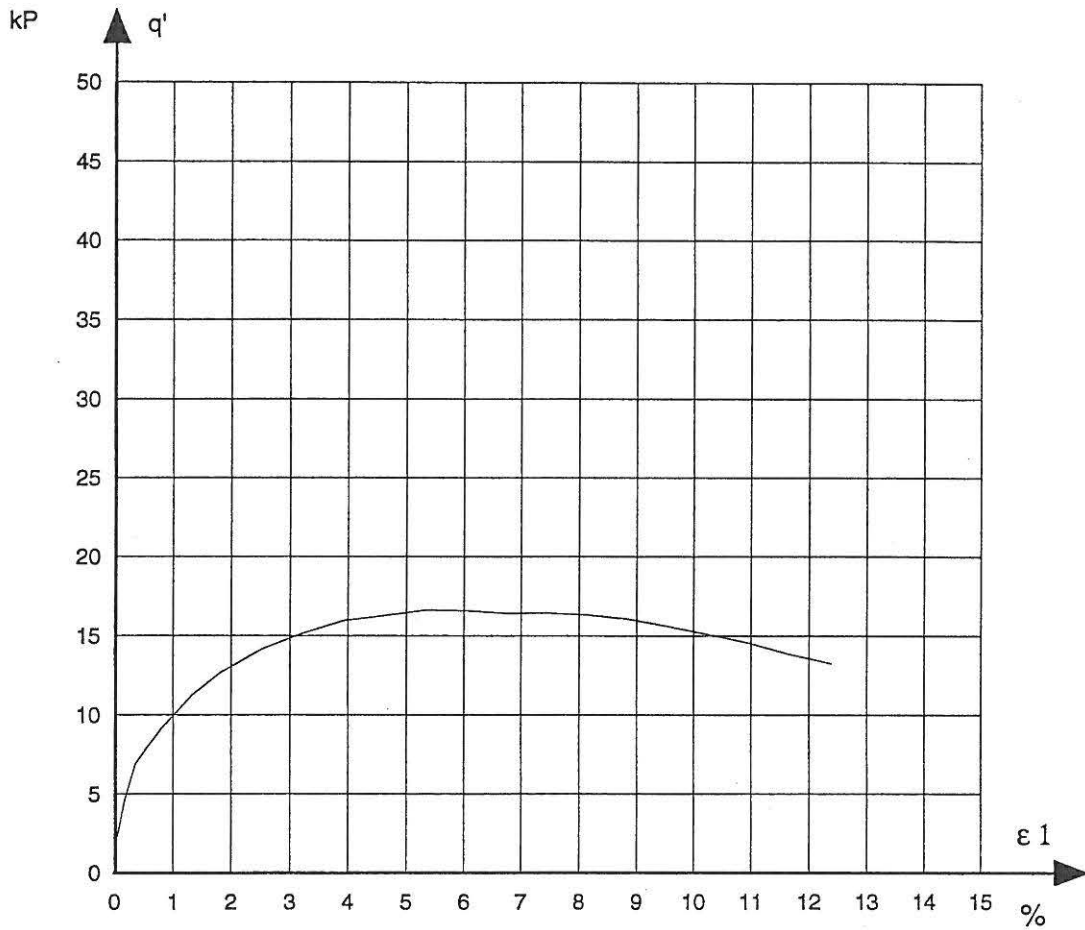
		Values at failure		Values for $\Delta\epsilon_v = 0$	
Deviator stress	q'	16.61	kPa	2.24	kPa
Mean normal stress	p'	8.04	kPa	3.25	kPa
Confining pressures	σ_3	2.50	kPa	2.50	kPa
Vertical strain	ϵ_1	5.34	%	0.00	%
Volumetric strain	ϵ_v	-4.93	%	0.00	%



q'	p'	ϵ_1	ϵ_v
2.24	3.25	0.00	0.00
2.24	3.25	0.05	-0.02
4.56	4.02	0.17	-0.05
6.87	4.79	0.35	-0.14
9.13	5.54	0.79	-0.45
11.31	6.27	1.36	-0.92
12.67	6.72	1.82	-1.35
14.17	7.22	2.53	-2.06
15.15	7.55	3.22	-2.78
15.94	7.81	3.92	-3.48
16.27	7.92	4.63	-4.20
16.61	8.04	5.34	-4.93
16.59	8.03	6.04	-5.61
16.42	7.97	6.75	-6.28
16.44	7.98	7.44	-6.91
16.30	7.93	8.15	-7.52
16.05	7.85	8.86	-8.10
15.61	7.70	9.55	-8.66
15.08	7.53	10.25	-9.15
14.56	7.35	10.95	-9.55
13.84	7.11	11.65	-9.91
13.25	6.92	12.39	-10.23

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

Remark:

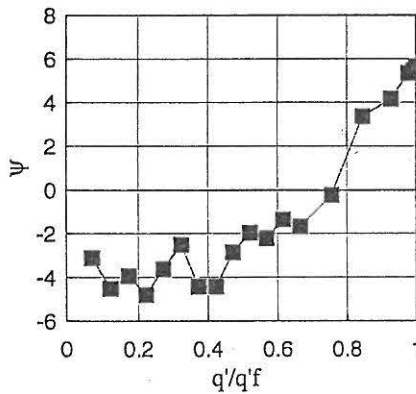
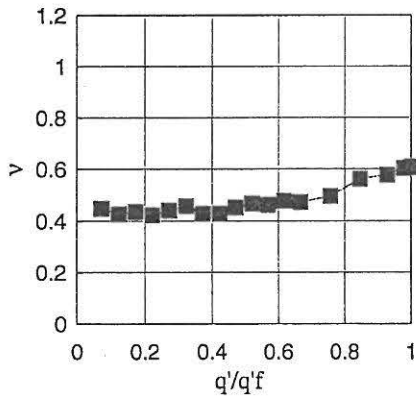


Job:	Blokhus sand	Encl. No	42
Exc:	HSP	Check:	LB

Description of soil Blokhus sand		Water content %	Before test	At failure
		Grain density	25	
Calibration file	Date	Void ratio	0.710	0.726
Loadtransducer 15001	16.08.73	Saturation	0.93	
		Dimension H mm	72	
		D mm	70	

TEST-PROGRAM	Drained compression.		
CD - Triaxial test. free ends	1. Isotropic compression.	σ_3	50-800 kPa
		ϵ_1	0.22 %
		ϵ_v	0.81 %
	2. Drained compression.		
	Deformation rate:		10 % ph

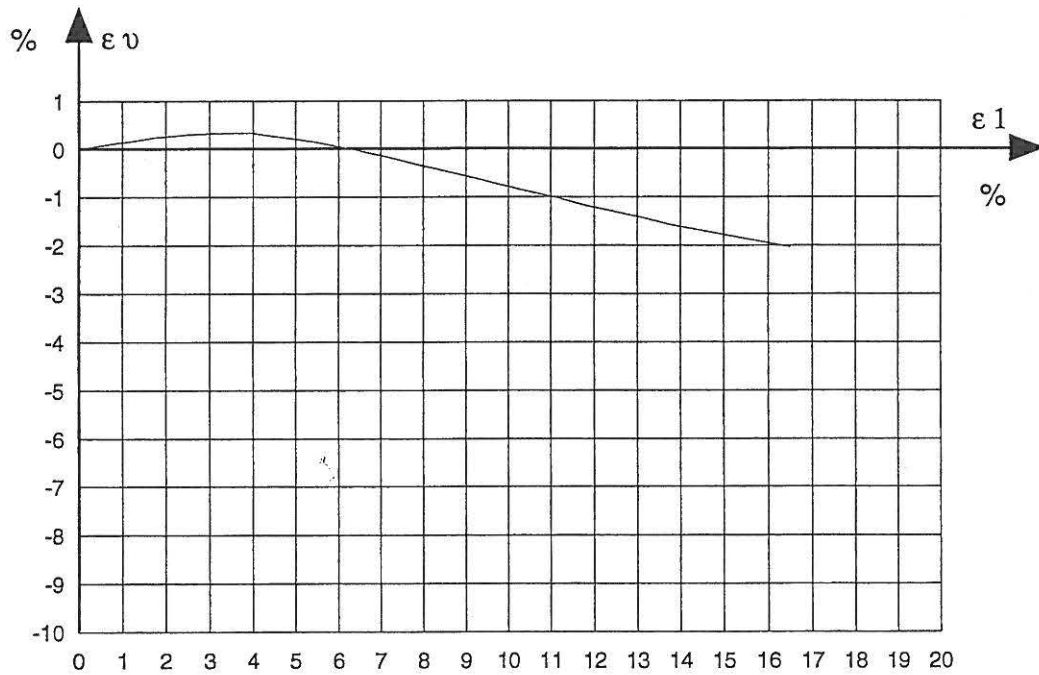
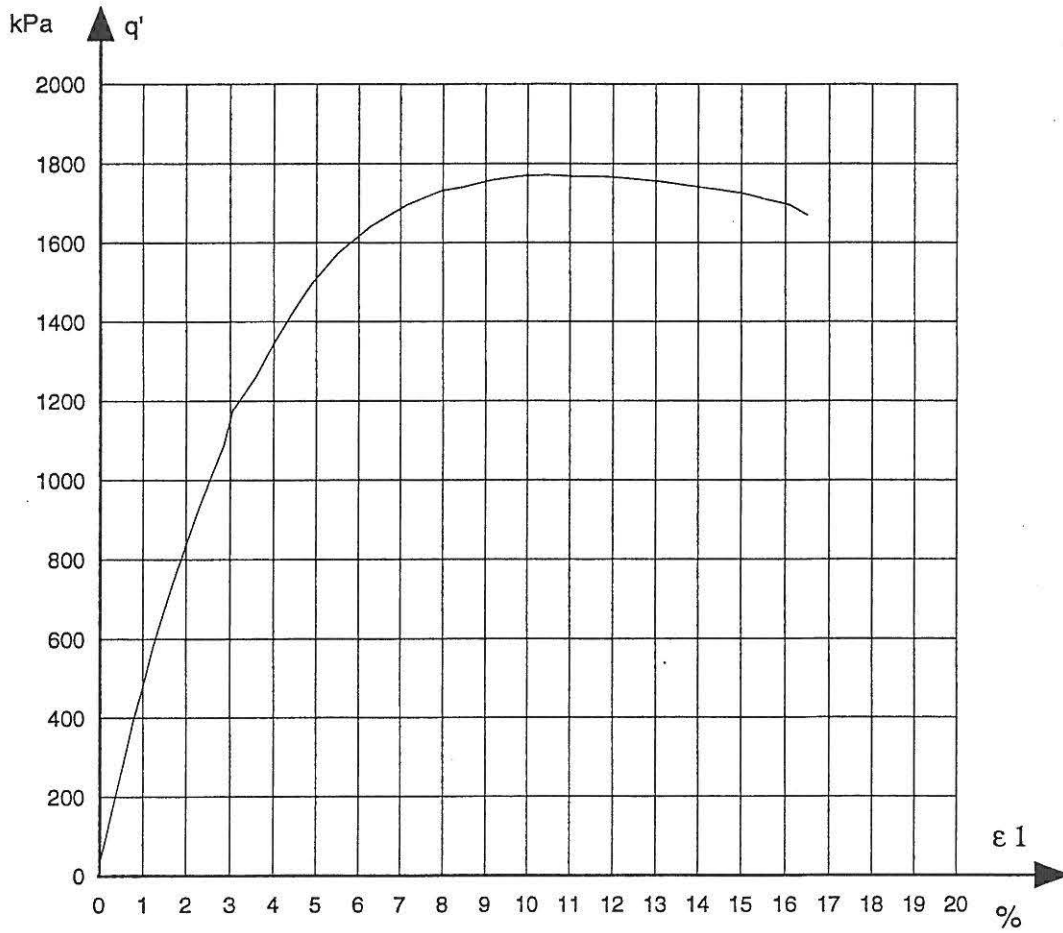
		Values at failure		Values for $\Delta\epsilon_v = 0$	
Deviator stress	q'	1770.35	kPa	1339.09	kPa
Mean normal stress	p'	1390.12	kPa	1246.36	kPa
Confining pressures	σ_3	800.00	kPa	800.00	kPa
Vertical strain	ϵ_1	10.47	%	3.97	%
Volumetric strain	ϵ_v	-0.88	%	0.33	%



q'	p'	ϵ_1	ϵ_v
35.40	811.80	0.00	0.00
35.39	811.80	0.04	0.02
125.47	841.82	0.21	0.04
215.24	871.75	0.41	0.06
304.69	901.56	0.61	0.09
393.89	931.30	0.80	0.12
482.66	960.89	1.01	0.14
571.04	990.35	1.22	0.16
658.93	1019.64	1.48	0.20
746.42	1048.81	1.73	0.23
833.31	1077.77	1.99	0.26
919.65	1106.55	2.27	0.28
1005.38	1135.13	2.56	0.30
1090.29	1163.43	2.87	0.31
1176.08	1192.03	3.06	0.32
1339.09	1246.36	3.97	0.33
1496.74	1298.91	4.90	0.22
1641.00	1347.00	6.28	0.00
1730.49	1376.83	7.95	-0.34
1757.57	1385.86	9.15	-0.60
1770.35	1390.12	10.47	-0.88
1760.53	1386.84	12.44	-1.30
1734.12	1378.04	14.40	-1.68
1668.38	1356.13	16.52	-2.04

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

Remark:

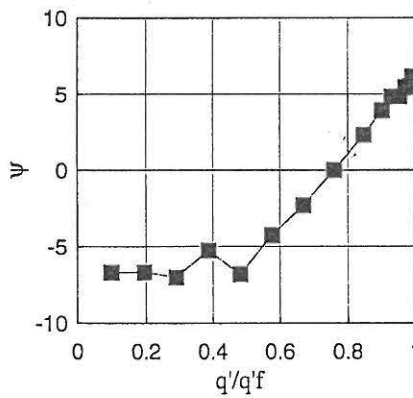
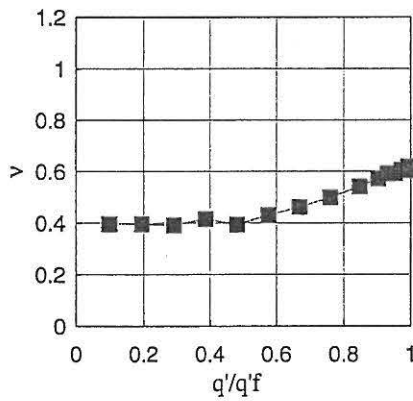


Job:	Blokhus sand	Encl. No	44
Exc:	HSP	Check:	LB

Description of soil Blokhus sand		Water content %	Before test	At failure
		Grain density	25.5	
Calibration file	Date	Void ratio	0.701	0.718
Loadtransducer 15001	17.08.73	Saturation	0.97	
		Dimension H mm	72	
		D mm	70	

TEST-PROGRAM	Drained compression.		
CD - Triaxial test. free ends	1. Isotropic compression.	σ_3	50-800 kPa
		ϵ_1	0.25 %
		ϵ_v	0.97 %
	2. Drained compression.		
	Deformation rate:		10 % ph

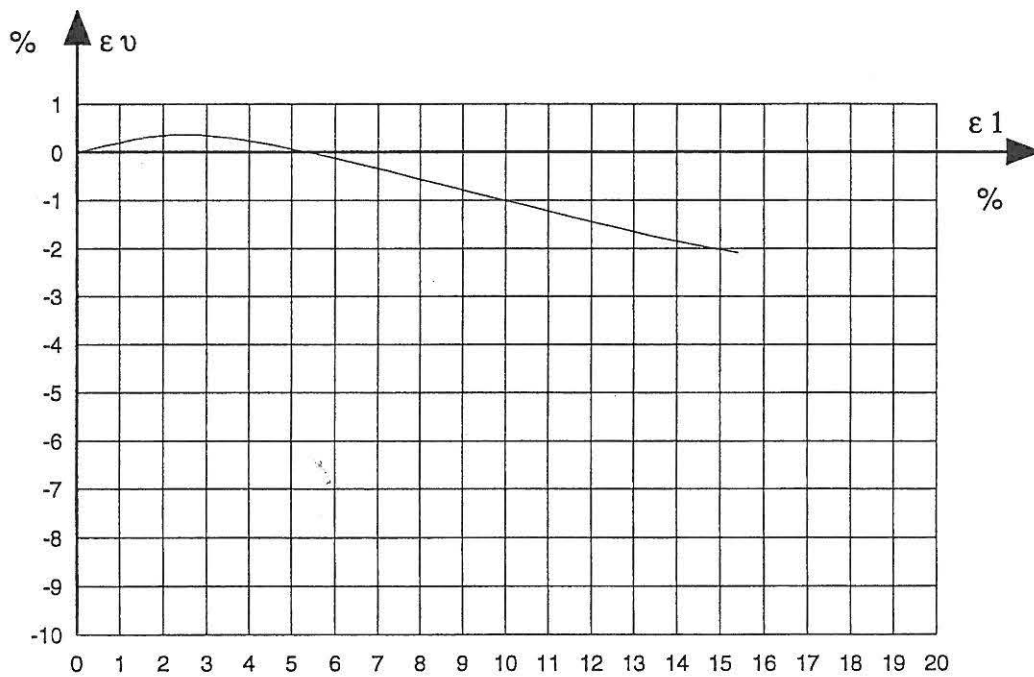
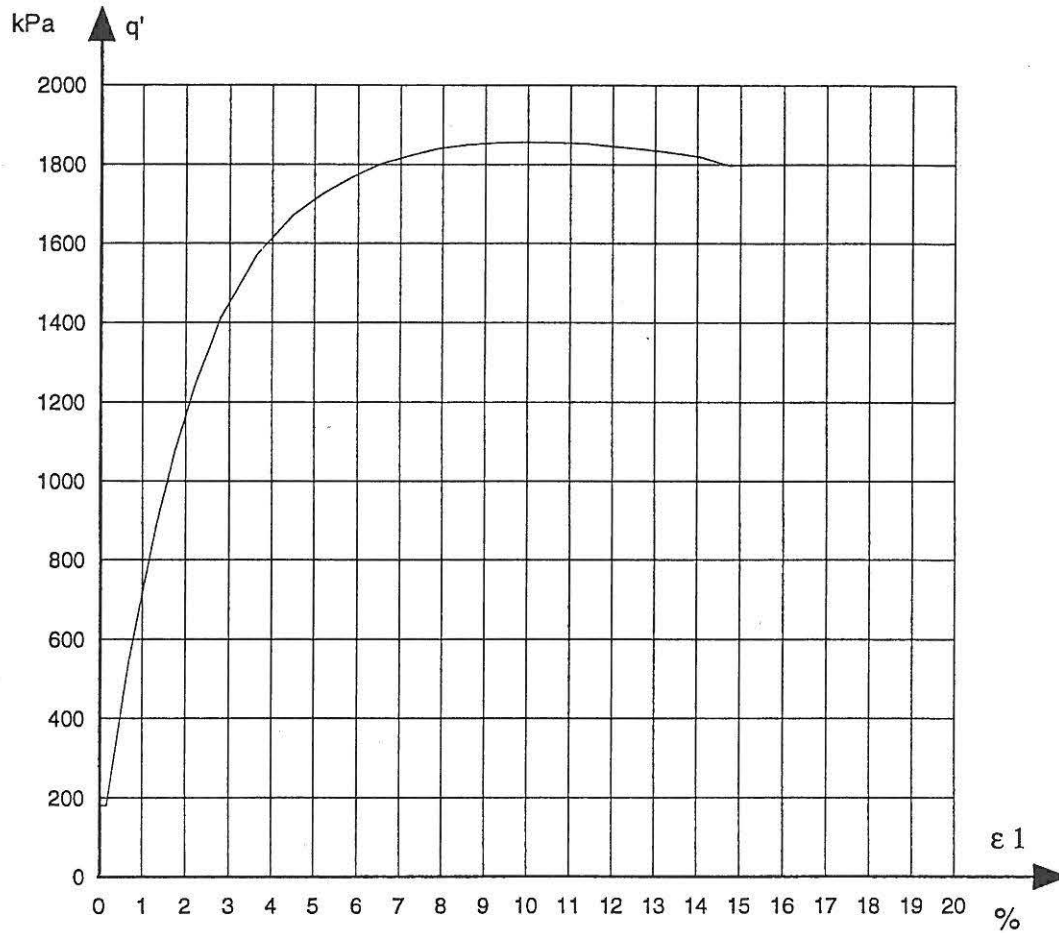
		Values at failure		Values for $\Delta\epsilon_v = 0$	
Deviator stress	q'	1855.69	kPa	1409.67	kPa
Mean normal stress	p'	1418.56	kPa	1269.89	kPa
Confining pressures	σ_3	800.00	kPa	800.00	kPa
Vertical strain	ϵ_1	9.96	%	2.78	%
Volumetric strain	ϵ_v	-0.99	%	0.36	%



q'	p'	ϵ_1	ϵ_v
180.30	860.10	0.00	0.00
180.34	860.11	0.17	0.04
359.95	919.98	0.43	0.09
538.86	979.62	0.68	0.14
716.54	1038.85	1.00	0.20
893.24	1097.75	1.34	0.27
1068.21	1156.07	1.74	0.32
1240.75	1213.58	2.20	0.36
1409.67	1269.89	2.78	0.36
1570.83	1323.61	3.63	0.29
1671.64	1357.21	4.49	0.16
1725.02	1375.01	5.18	0.04
1767.78	1389.26	5.86	-0.09
1801.50	1400.50	6.55	-0.23
1822.54	1407.51	7.23	-0.38
1839.37	1413.12	7.91	-0.54
1849.24	1416.41	8.60	-0.69
1854.23	1418.08	9.28	-0.85
1855.69	1418.56	9.96	-0.99
1854.06	1418.02	10.64	-1.14
1852.42	1417.47	11.33	-1.30
1838.19	1412.73	12.70	-1.59
1818.54	1406.18	14.05	-1.86
1798.57	1399.52	15.42	-2.09

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

Remark:

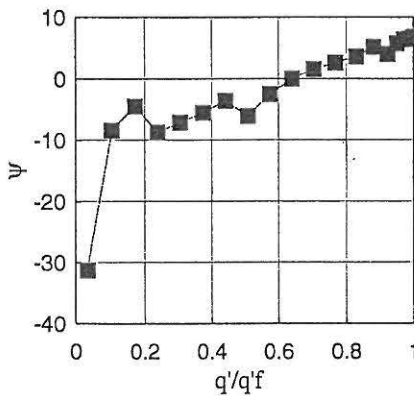
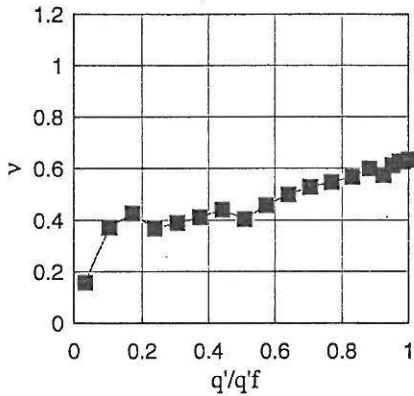


Job:	Blokhuis sand	Encl. No	46
Exc:	HSP	Check:	LB

Description of soil Blokhus sand		Water content %	Before test	At failure
		Grain density	24.9	
Calibration file	Date	Void ratio	0.683	0.704
Loadtransducer 5001	21.08.73	Saturation	0.97	
		Dimension H mm	72	
		D mm	70	

TEST-PROGRAM	Drained compression.		
CD - Triaxial test. free ends	1. Isotropic compression.	σ_3	50-400 kPa
		ϵ_1	0.17 %
		ϵ_v	0.54 %
	2. Drained compression.		
	Deformation rate:		9.7 % ph

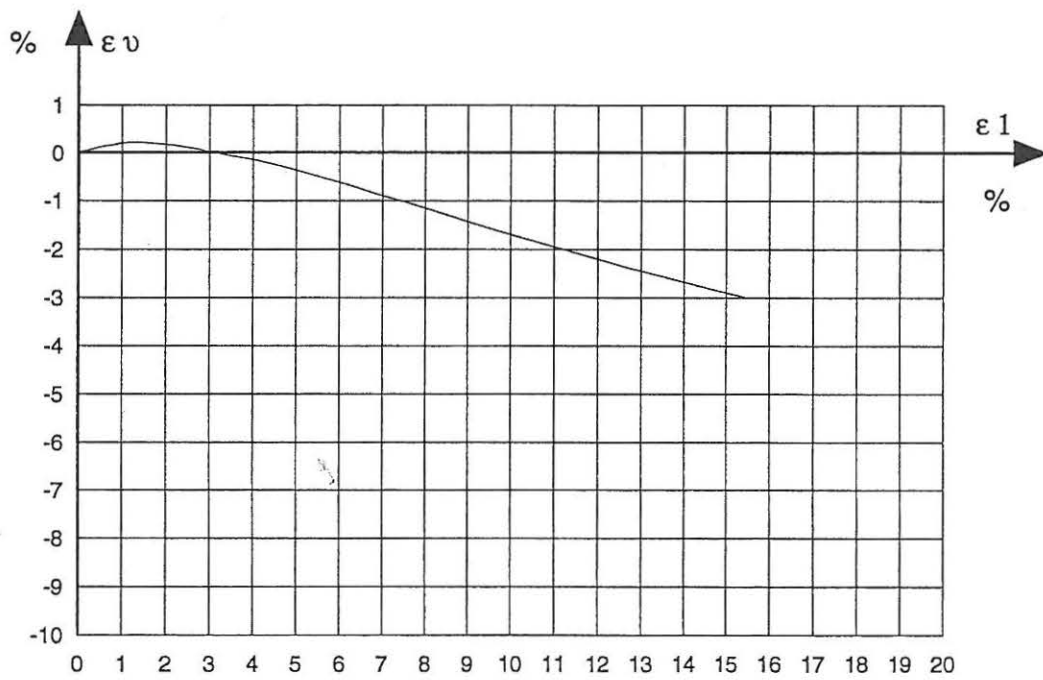
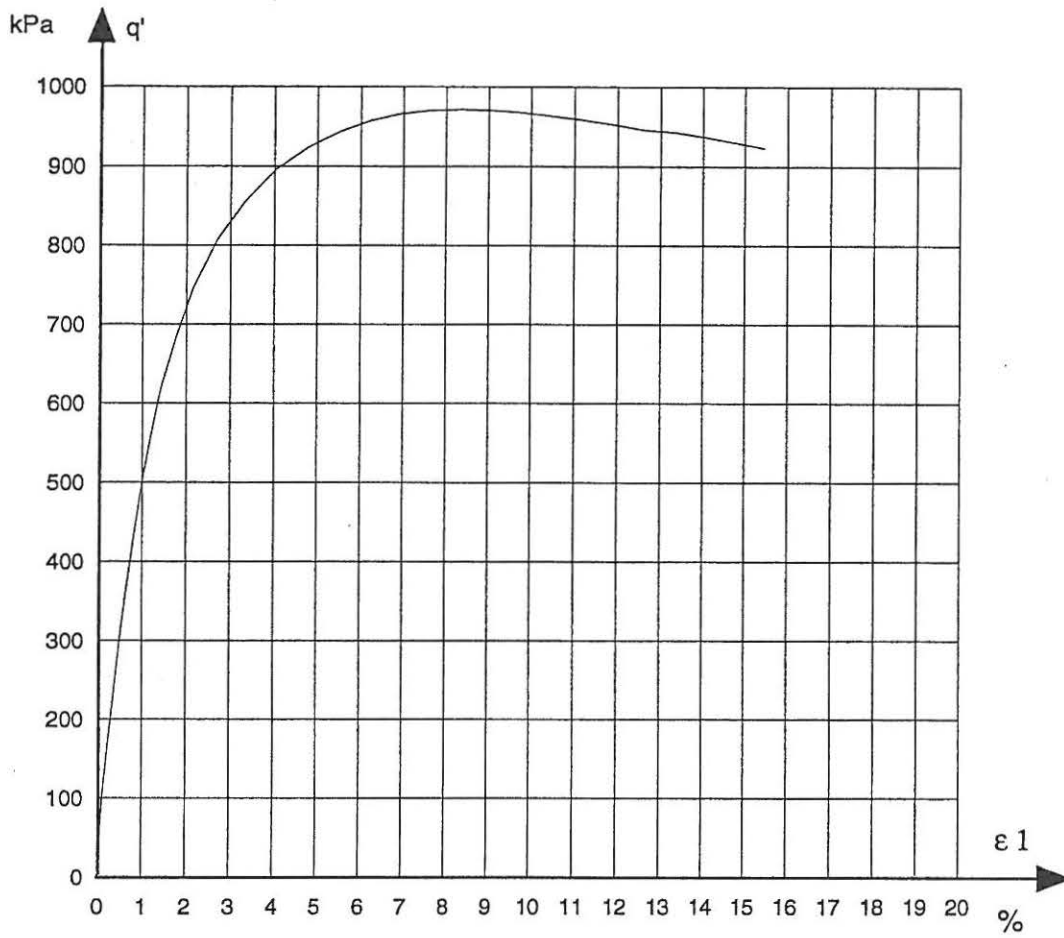
		Values at failure	Values for $\Delta \epsilon_v = 0$
Deviator stress	q'	971.39 kPa	620.77 kPa
Mean normal stress	p'	723.80 kPa	606.92 kPa
Confining pressures	σ_3	400.00 kPa	400.00 kPa
Vertical strain	ϵ_1	8.35 %	1.44 %
Volumetric strain	ϵ_v	-1.25 %	0.22 %



q'	p'	ϵ_1	ϵ_v
33.10	411.03	0.00	0.00
33.08	411.03	0.03	0.02
99.17	433.06	0.10	0.04
165.11	455.04	0.22	0.05
230.92	476.97	0.36	0.09
296.60	498.87	0.49	0.12
362.08	520.69	0.63	0.14
427.33	542.44	0.79	0.16
492.32	564.11	0.97	0.20
556.86	585.62	1.19	0.22
620.77	606.92	1.44	0.22
683.75	627.92	1.76	0.20
745.70	648.57	2.14	0.16
805.46	668.49	2.69	0.09
855.19	685.06	3.32	-0.04
896.29	698.76	4.05	-0.14
923.21	707.74	4.78	-0.31
942.82	714.27	5.50	-0.49
956.62	718.87	6.21	-0.67
971.39	723.80	8.35	-1.25
967.37	722.46	9.78	-1.64
952.25	717.42	11.93	-2.18
936.66	712.22	14.04	-2.69
922.85	707.62	15.47	-3.00

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

Remark:

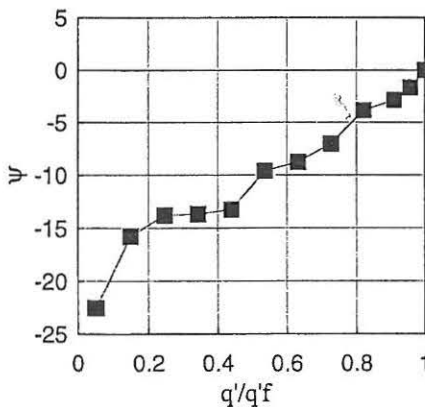
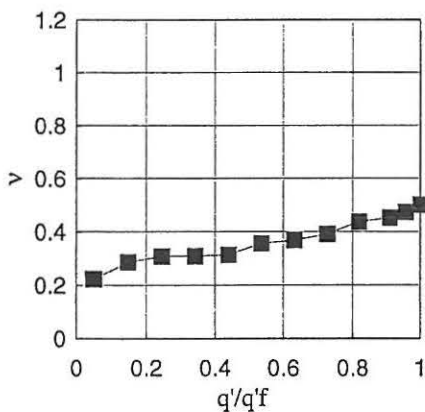


Job:	Blokhus sand	Encl. No	48
Exc:	HSP	Check:	LB

Description of soil Blokhus sand		Water content %	Before test	At failure
		Grain density	26.8	
Calibration file	Date	Void ratio	0.702	0.691
Loadtransducer 5001	19.12.73	Saturation	1.01	
		Dimension H mm	72	
		D mm	70	

TEST-PROGRAM	Drained compression.		
CD - Triaxial test. free ends	1. Isotropic compression.	σ_3	10-400 kPa
		ϵ_1	0.23 %
		ϵ_v	0.99 %
	2. Drained compression.	Deformation rate: 10 % ph	

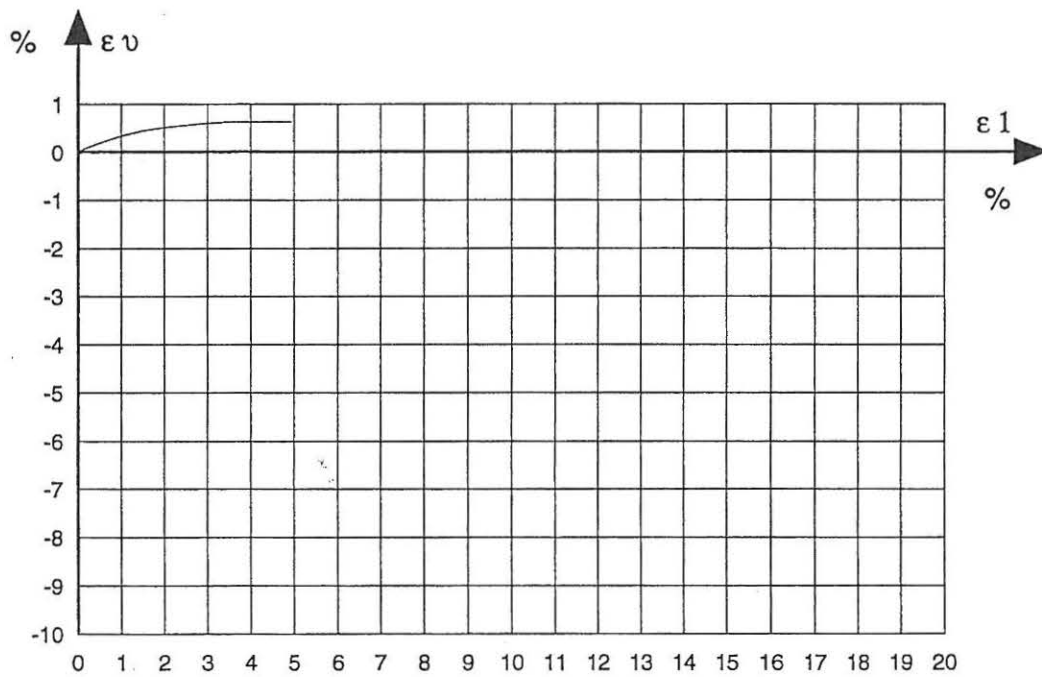
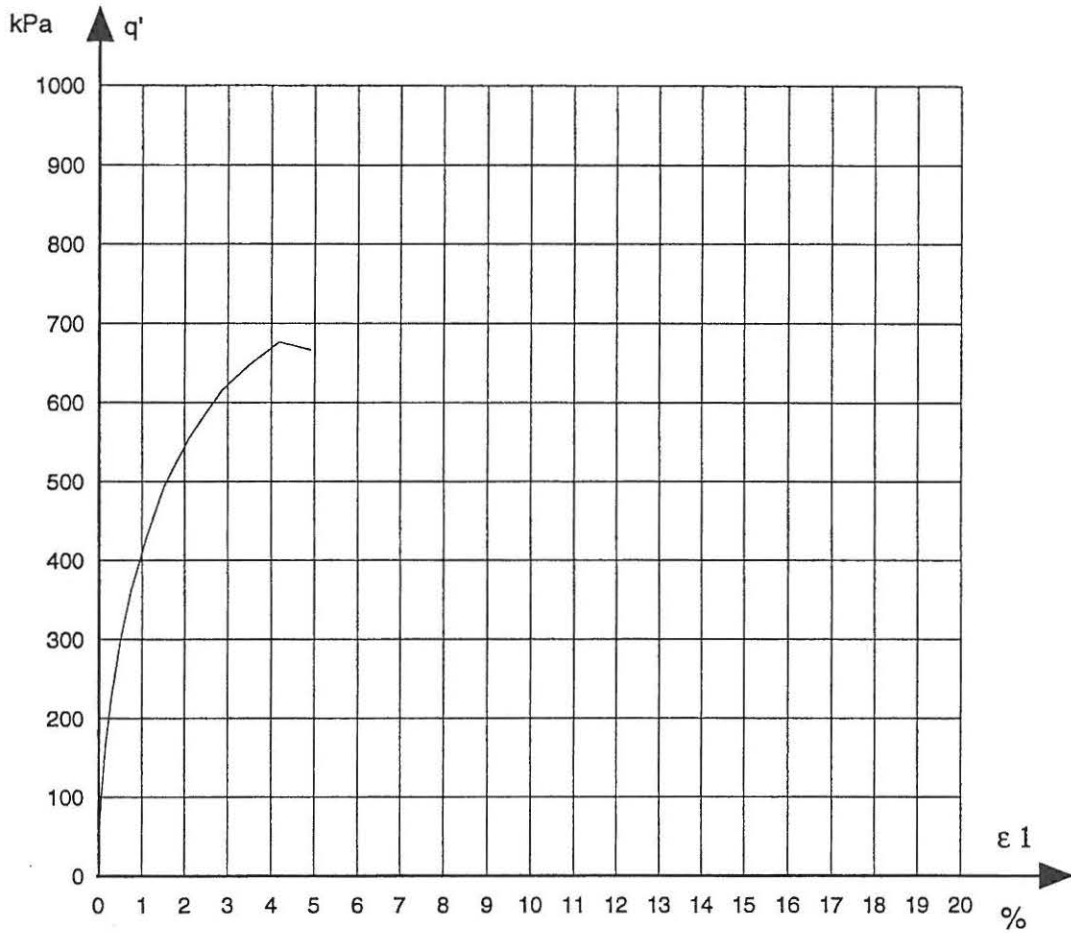
	Values at failure	Values for $\Delta\epsilon_v = 0$
Deviator stress q'		666.51 kPa
Mean normal stress p'		622.17 kPa
Confining pressures σ_3		400.00 kPa
Vertical strain ϵ_1		4.93 %
Volumetric strain ϵ_v		0.63 %



q'	p'	ϵ_1	ϵ_v
33.70	411.23	0.00	0.00
33.73	411.24	0.02	0.01
99.85	433.28	0.08	0.04
165.89	455.30	0.17	0.07
231.77	477.26	0.31	0.13
297.44	499.15	0.51	0.20
362.73	520.91	0.76	0.27
427.48	542.49	1.10	0.36
491.52	563.84	1.52	0.45
554.12	584.71	2.09	0.52
614.87	604.96	2.85	0.60
647.41	615.80	3.49	0.63
676.55	625.52	4.19	0.63
666.51	622.17	4.93	0.63

Job: Blokhus sand	Encl. No 49
Exc: HSP	Check: LB

Remark:
The specimen slipped out before failure.

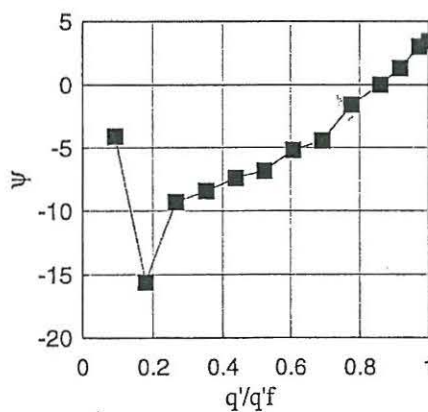
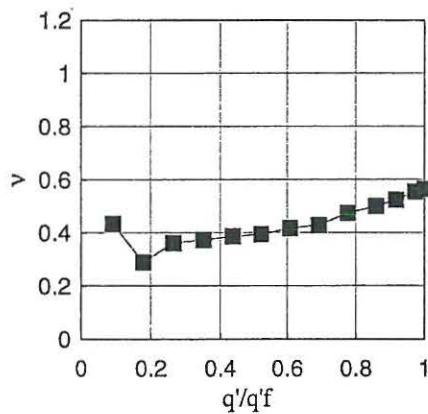


Job: Blokhus sand	Encl. No 50
Exc: HSP	Check: LB

Description of soil Blokhus sand		Water content %	Before test	At failure
		Grain density	26	
Calibration file	Date	Void ratio	2.65	0.720
Loadtransducer 5001	18.02.74	Saturation	0.722	
		Dimension H mm	0.96	
		Dimension D mm	72	
			70	

TEST-PROGRAM	Drained compression.		
CD - Triaxial test. free ends	1. Isotropic compression.	σ_3	20-400 kPa
		ϵ_1	0.37 %
		ϵ_v	0.85 %
	2. Drained compression.		
	Deformation rate:		9.7 % ph

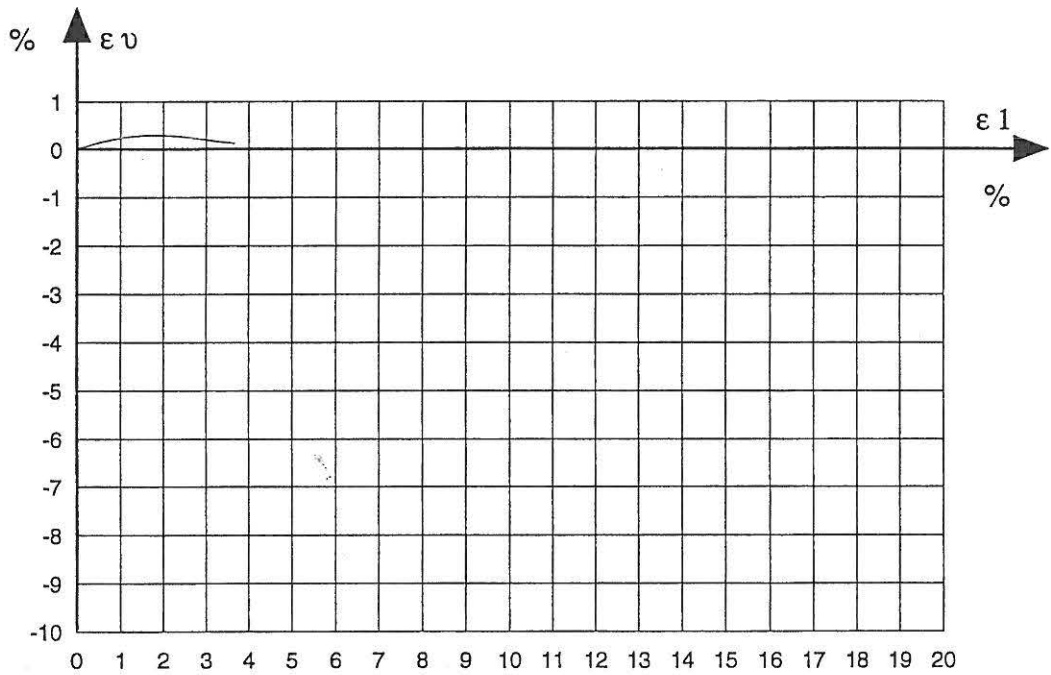
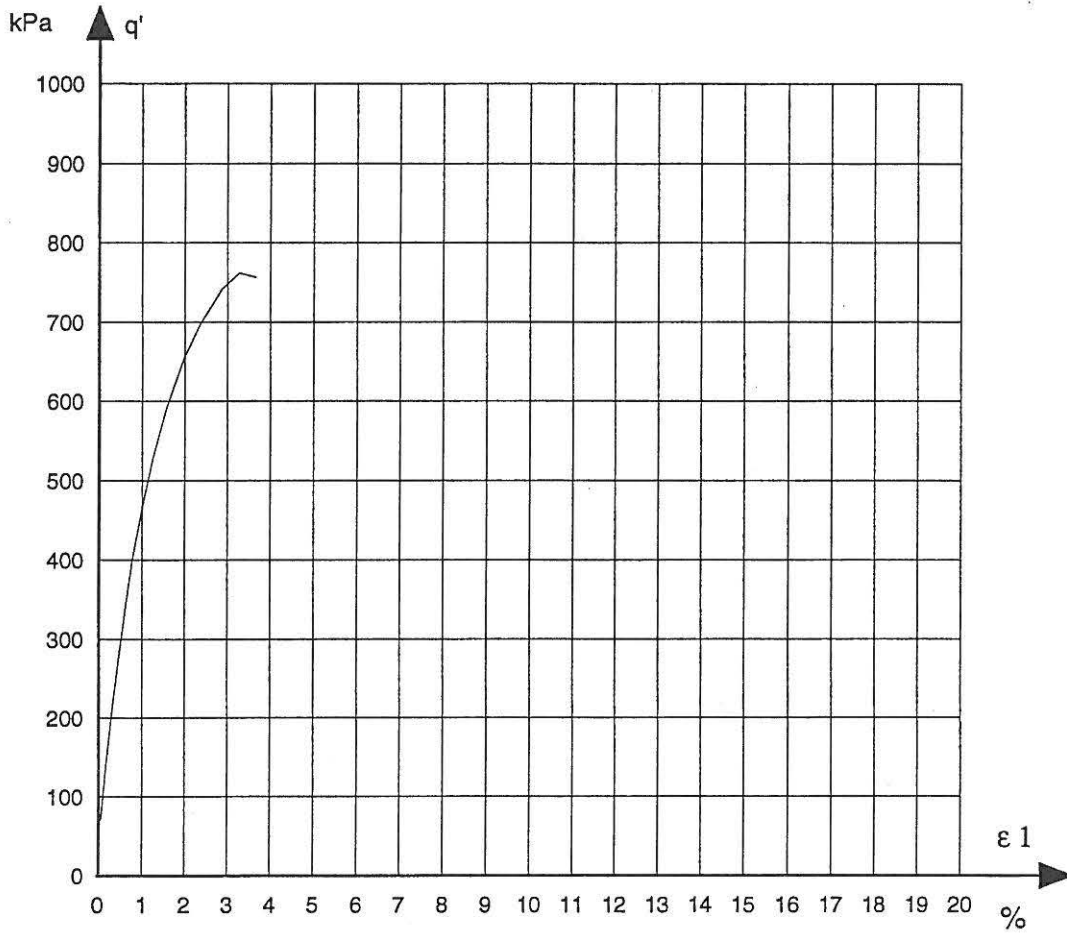
	Values at failure	Values for $\Delta \epsilon_v = 0$
Deviator stress q'		654.25 kPa
Mean normal stress p'		618.08 kPa
Confining pressures σ_3		400.00 kPa
Vertical strain ϵ_1		1.98 %
Volumetric strain ϵ_v		0.29 %



q'	p'	ϵ_1	ϵ_v
70.10	423.37	0.00	0.00
70.10	423.37	0.08	0.01
136.11	445.37	0.18	0.05
202.00	467.33	0.31	0.09
267.72	489.24	0.45	0.13
333.25	511.08	0.61	0.16
398.58	532.86	0.78	0.20
463.50	554.50	1.00	0.23
528.00	576.00	1.25	0.27
591.60	597.20	1.58	0.29
654.25	618.08	1.98	0.29
698.15	632.72	2.37	0.27
741.03	647.01	2.86	0.22
762.01	654.00	3.28	0.16
756.54	652.18	3.67	0.13

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

Remark: The specimen slipped out before failure.

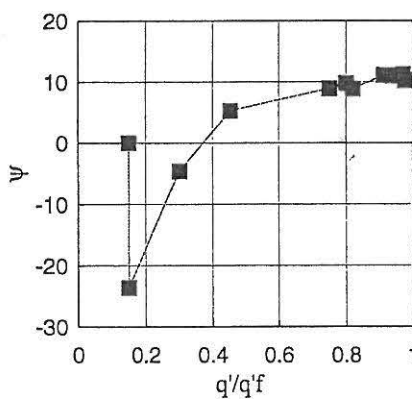
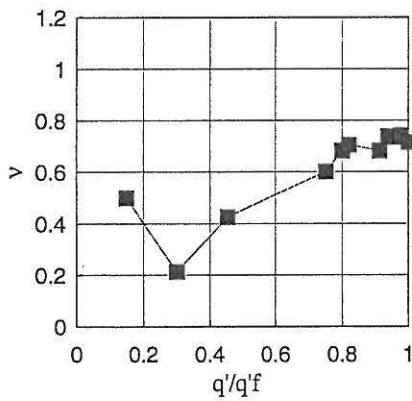


Job: Blokhus sand	Encl. No 52
Exc: HSP	Check: LB

Description of soil Blokhus sand		Water content %	Before test	At failure
		Grain density	23	
Calibration file	Date	Void ratio	0.723	0.765
Loadtransducer	18.02.74	Saturation	0.84	
2003		Dimension H mm	72	
		D mm	70	

TEST-PROGRAM	Drained compression.			
CD - Triaxial test. free ends	1. Isotropic compression.	σ_3	20-20 kPa	
		ϵ_1	0.00 %	
		ϵ_v	0.00 %	
	2. Drained compression.			
	Deformation rate:		9.6 % ph	

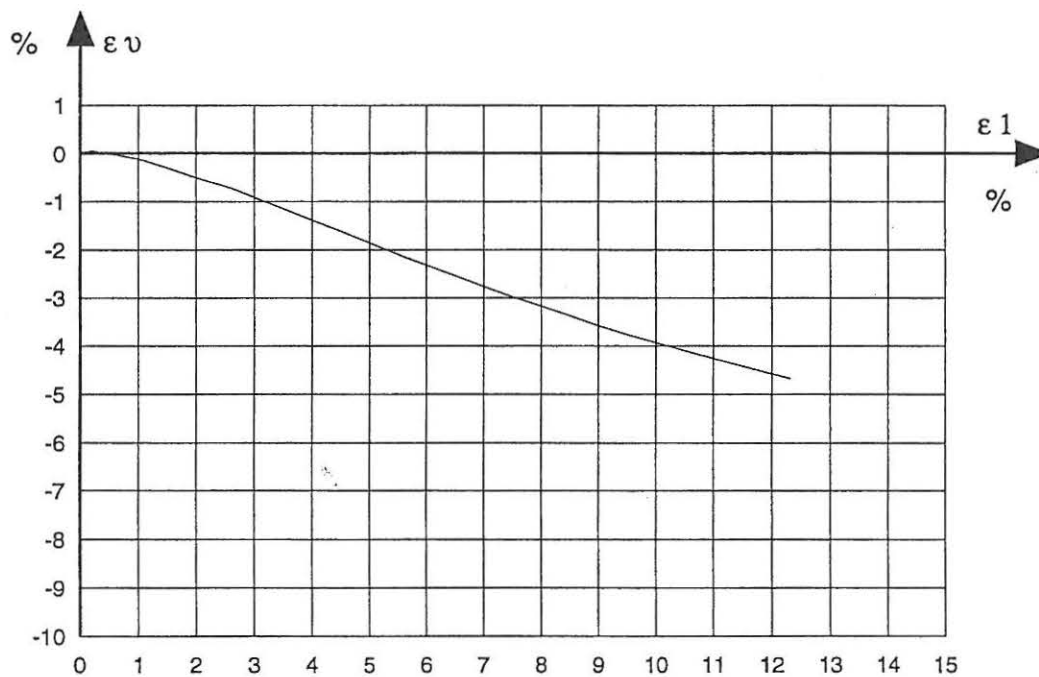
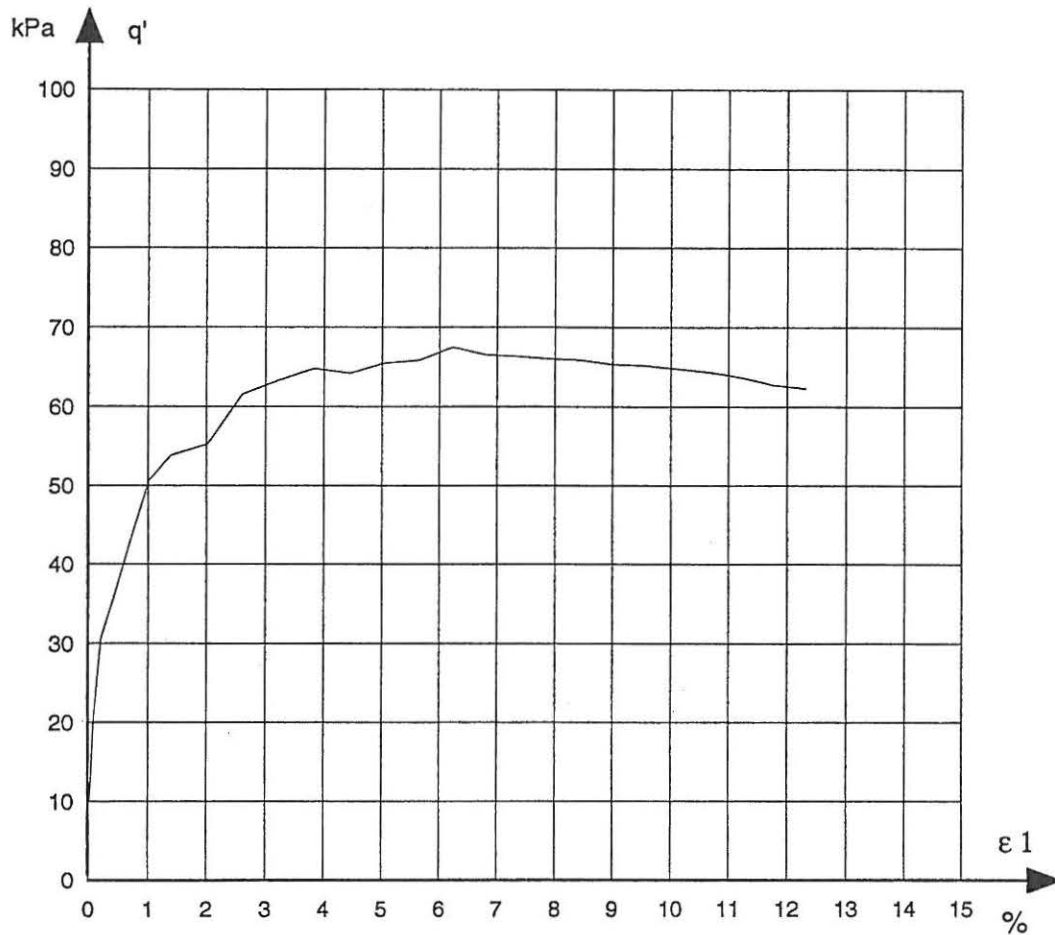
		Values at failure		Values for $\Delta\epsilon_v = 0$	
Deviator stress	q'	67.48	kPa	30.54	kPa
Mean normal stress	p'	42.49	kPa	30.18	kPa
Confining pressures	σ_3	20.00	kPa	20.00	kPa
Vertical strain	ϵ_1	6.23	%	0.21	%
Volumetric strain	ϵ_v	-2.42	%	0.05	%



q'	p'	ϵ_1	ϵ_v
10.00	23.33	0.00	0.00
9.99	23.33	0.02	0.00
20.28	26.76	0.09	0.04
30.54	30.18	0.21	0.05
50.62	36.87	1.01	-0.11
53.89	37.96	1.40	-0.25
55.28	38.43	2.02	-0.51
61.55	40.52	2.61	-0.72
63.26	41.09	3.21	-1.01
64.79	41.60	3.83	-1.30
64.14	41.38	4.44	-1.59
65.47	41.82	5.05	-1.88
65.83	41.94	5.64	-2.17
67.48	42.49	6.23	-2.42
66.53	42.18	6.80	-2.67
66.29	42.10	7.35	-2.92
66.03	42.01	7.92	-3.14
65.86	41.95	8.46	-3.36
65.31	41.77	9.02	-3.59
65.20	41.73	9.57	-3.79
64.73	41.58	10.12	-3.97
64.31	41.44	10.67	-4.15
63.67	41.22	11.23	-4.33
62.30	40.77	12.32	-4.67

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

Remark:
No isotropic consolidation.

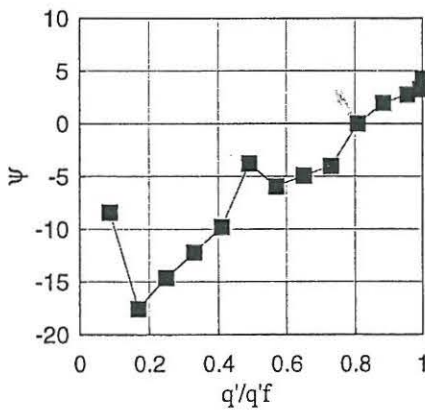
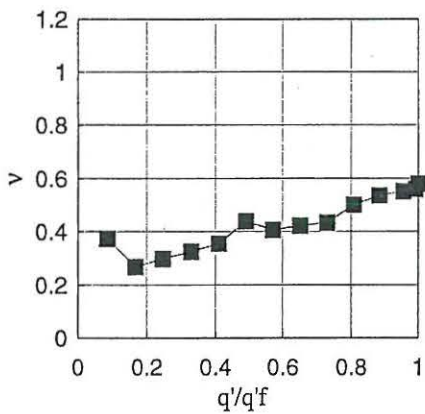


Job:	Blokhuis sand	Encl. No	54
Exc:	HSP	Check:	LB

Description of soil Blokhus sand		Water content %	Before test	At failure
		Grain density	26.3	
Calibration file	Date	Void ratio	0.739	0.739
Loadtransducer	19.02.74	Saturation	0.94	
5001		Dimension H mm	72	
		D mm	70	

TEST-PROGRAM	Drained compression.		
CD - Triaxial test. free ends	1. Isotropic compression.	σ_3	20-400 kPa
		ϵ_1	0.37 %
		ϵ_v	0.70 %
	2. Drained compression.		
	Deformation rate:		9.7 % ph

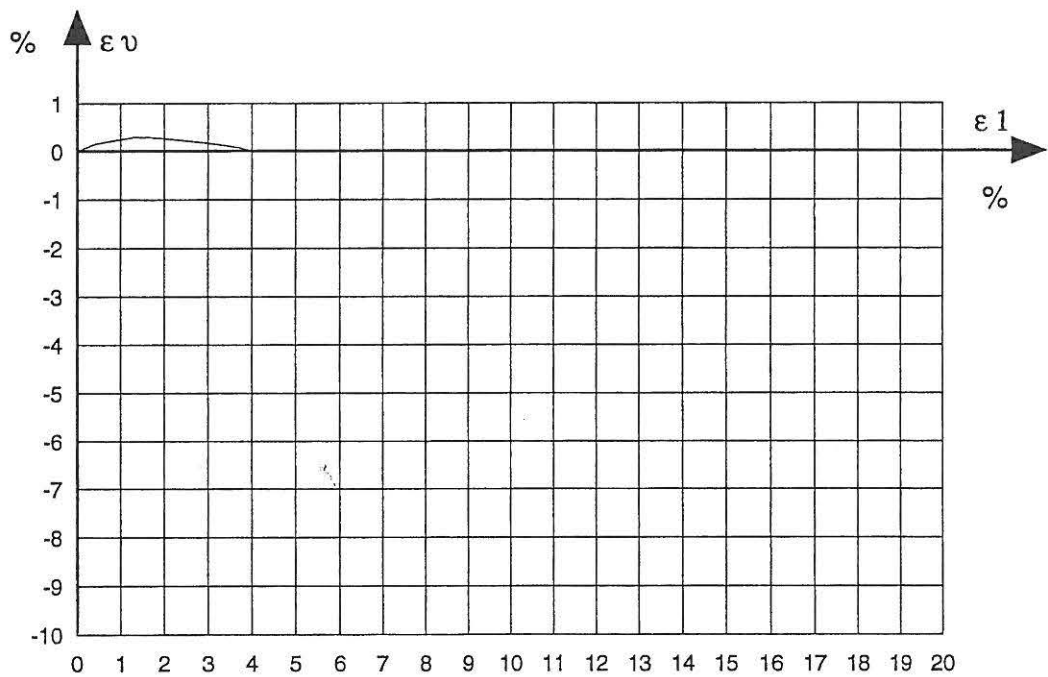
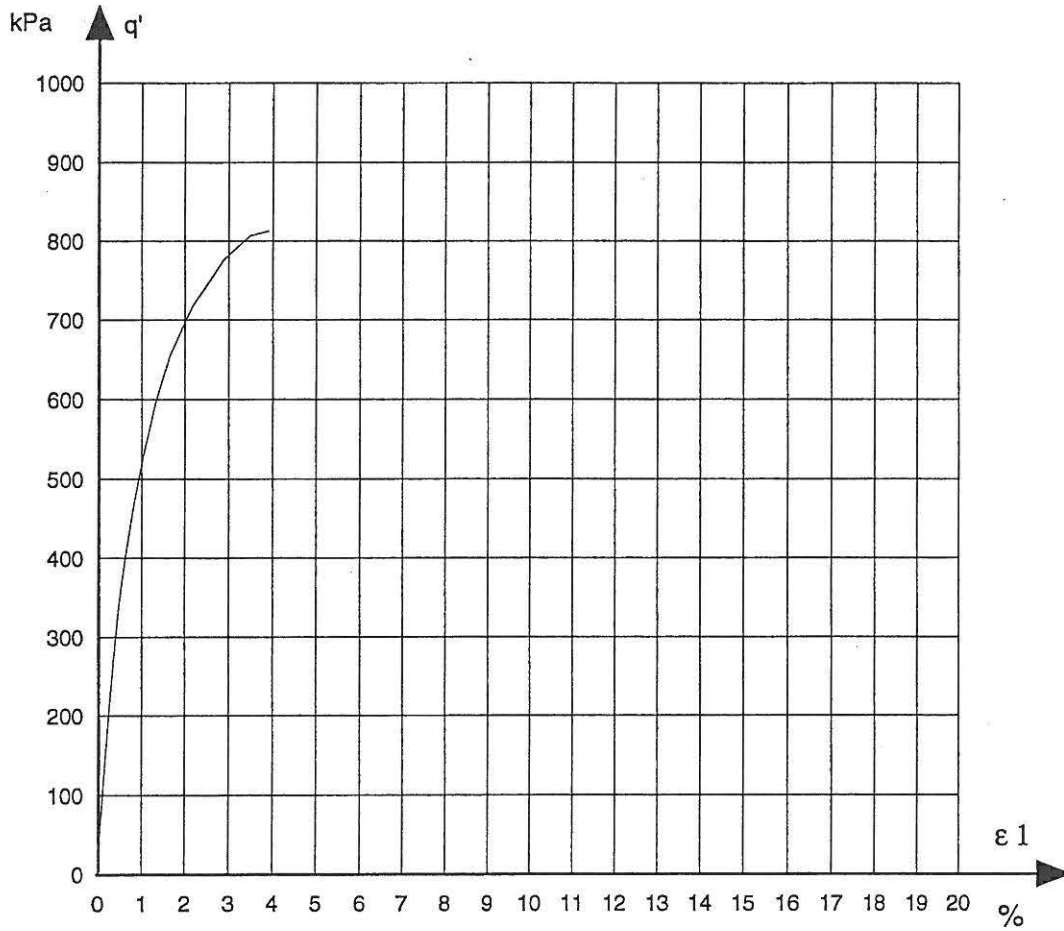
		Values at failure	Values for $\Delta \epsilon_v = 0$
Deviator stress	q'		655.76 kPa
Mean normal stress	p'		618.59 kPa
Confining pressures	σ_3		400.00 kPa
Vertical strain	ϵ_1		1.66 %
Volumetric strain	ϵ_v		0.29 %



q'	p'	ϵ_1	ϵ_v
19.40	406.47	0.00	0.00
69.43	423.14	0.07	0.02
135.49	445.16	0.15	0.05
201.48	467.16	0.24	0.09
267.36	489.12	0.34	0.13
333.07	511.02	0.47	0.16
398.52	532.84	0.61	0.18
463.66	554.55	0.80	0.22
528.40	576.13	1.03	0.25
592.61	597.54	1.31	0.29
655.76	618.59	1.66	0.29
717.01	639.00	2.17	0.25
775.66	658.55	2.88	0.18
806.34	668.78	3.48	0.11
812.58	670.86	3.93	0.04

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

Remark:
The specimen slipped out before failure.

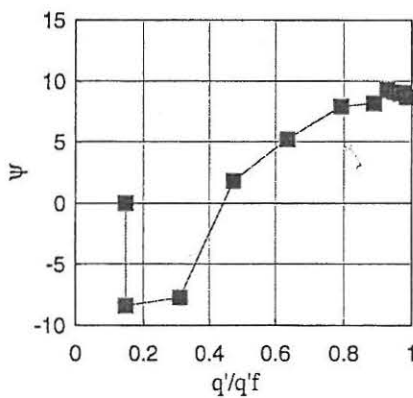
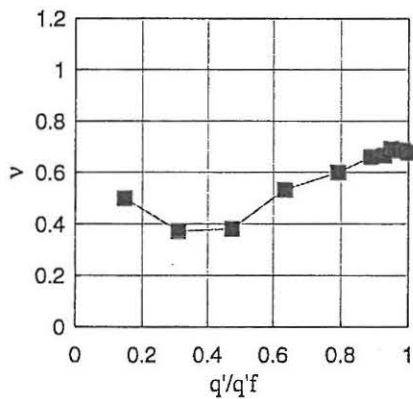


Job:	Encl. No
Blokhuis sand	56
Exc:	Check:
HSP	LB

Description of soil Blokhus sand		Water content %	Before test	At failure
		Grain density	26.7	
Calibration file	Date	Void ratio	0.735	0.771
Loadtransducer	19.02.74	Saturation	0.96	
2003		Dimension H mm	72	
		D mm	70	

TEST-PROGRAM	Drained compression.		
CD - Triaxial test. free ends	1. Isotropic compression.	σ_3	10-20 kPa
		ϵ_1	0.02 %
		ϵ_v	0.04 %
	2. Drained compression.		
	Deformation rate:		9.6 % ph

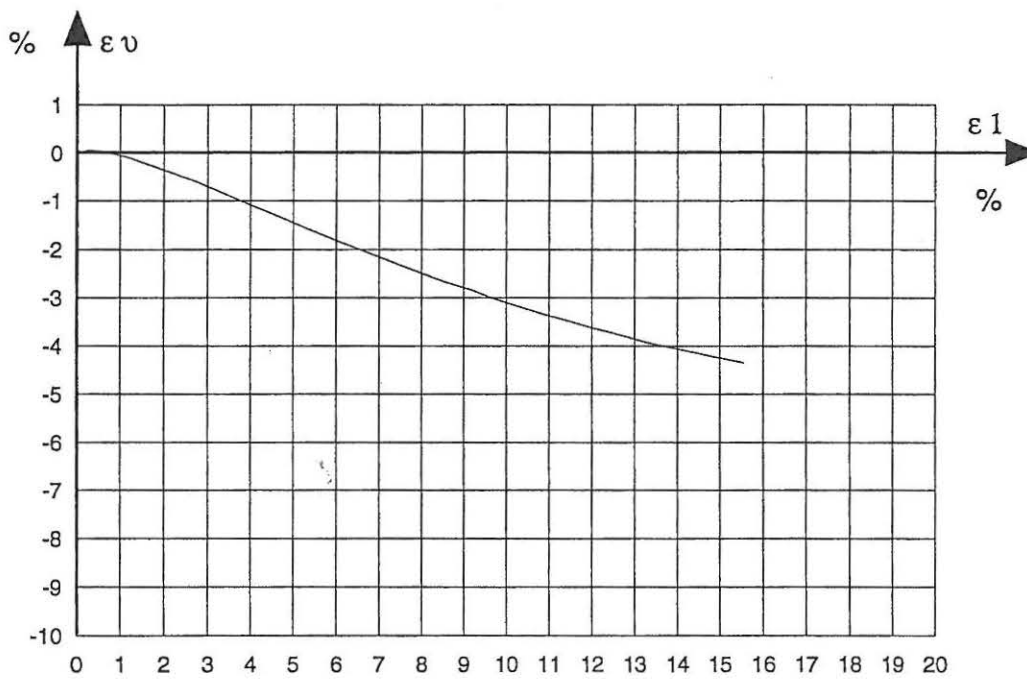
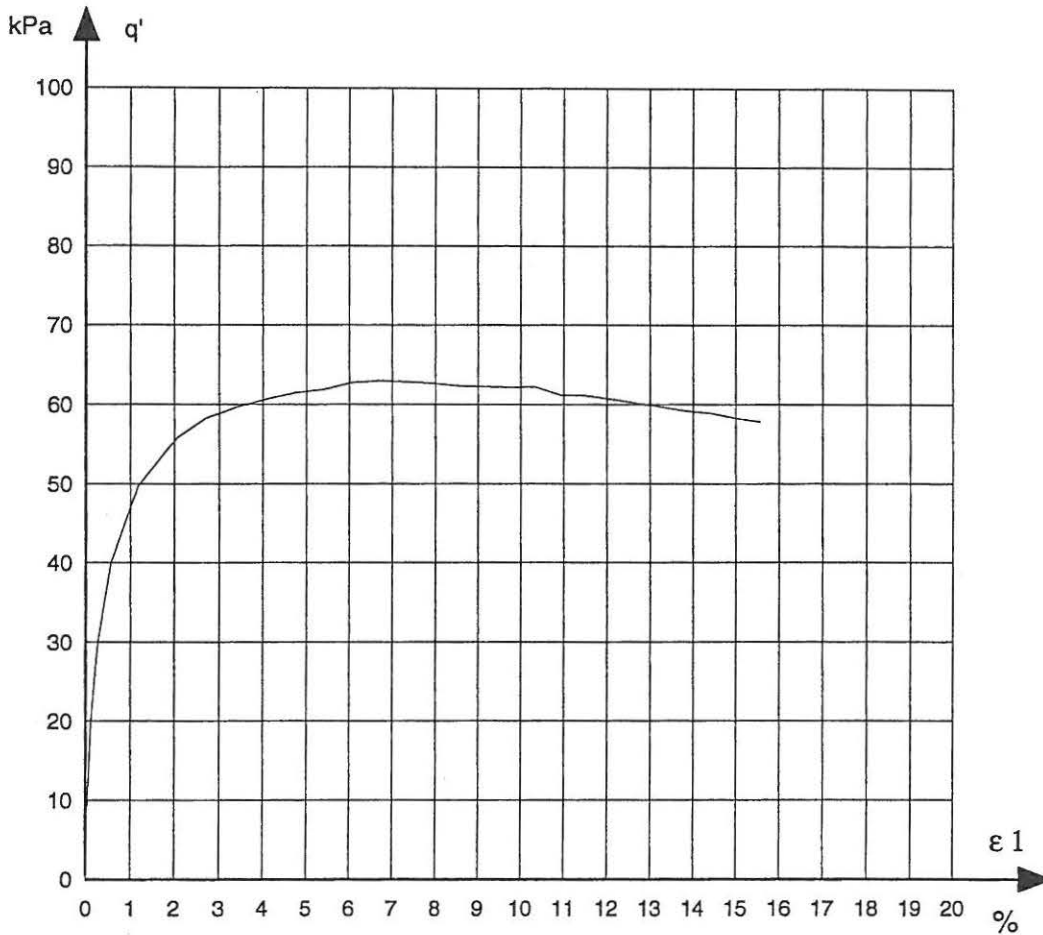
		Values at failure		Values for $\Delta \epsilon_v = 0$	
Deviator stress	q'	62.94	kPa	29.76	kPa
Mean normal stress	p'	40.98	kPa	29.92	kPa
Confining pressures	σ_3	20.00	kPa	20.00	kPa
Vertical strain	ϵ_1	6.71	%	0.26	%
Volumetric strain	ϵ_v	-2.06	%	0.05	%



q'	p'	ϵ_1	ϵ_v
9.20	23.07	0.00	0.00
9.22	23.07	0.04	0.00
19.50	26.50	0.11	0.02
29.76	29.92	0.26	0.05
39.92	33.31	0.54	0.04
49.78	36.59	1.17	-0.09
55.87	38.62	2.07	-0.38
58.32	39.44	2.72	-0.60
59.65	39.88	3.38	-0.85
60.65	40.22	4.05	-1.10
61.48	40.49	4.74	-1.35
61.90	40.63	5.41	-1.61
62.75	40.92	6.07	-1.84
62.94	40.98	6.71	-2.06
62.81	40.94	7.33	-2.27
62.65	40.88	7.93	-2.47
62.35	40.78	8.54	-2.67
62.25	40.75	9.14	-2.83
62.17	40.72	9.74	-3.03
61.21	40.40	10.92	-3.36
60.67	40.22	12.09	-3.65
59.72	39.91	13.25	-3.92
58.93	39.64	14.40	-4.13
57.84	39.28	15.56	-4.35

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

Remark:

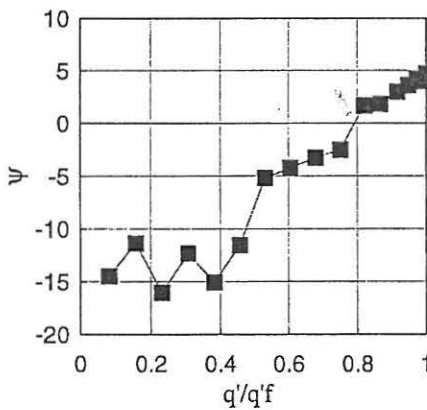
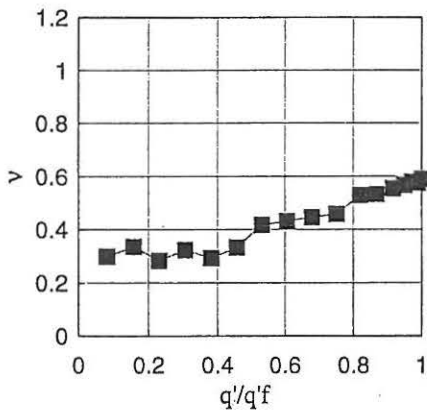


Job:	Blokhuis sand	Encl. No	58
Exc:	HSP	Check:	LB

Description of soil Blokhus sand		Water content %	Before test	At failure
		Grain density	27.5	
Calibration file	Date	Void ratio	2.65	
Loadtransducer	20.02.74	Saturation	0.758	0.764
5001		Dimension H mm	0.96	
		D mm	72	
			70	

TEST-PROGRAM	Drained compression.		
CD - Triaxial test. free ends	1. Isotropic compression.	σ_3	20-400 kPa
		ϵ_1	0.23 %
		ϵ_v	0.72 %
	2. Drained compression.		
	Deformation rate:		9.7 % ph

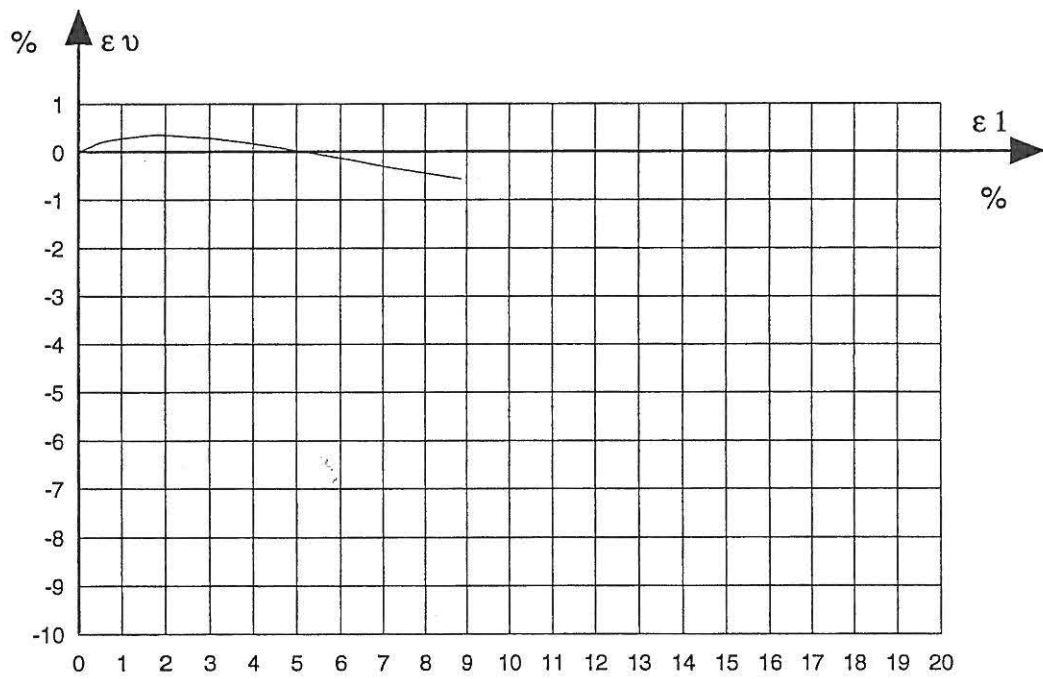
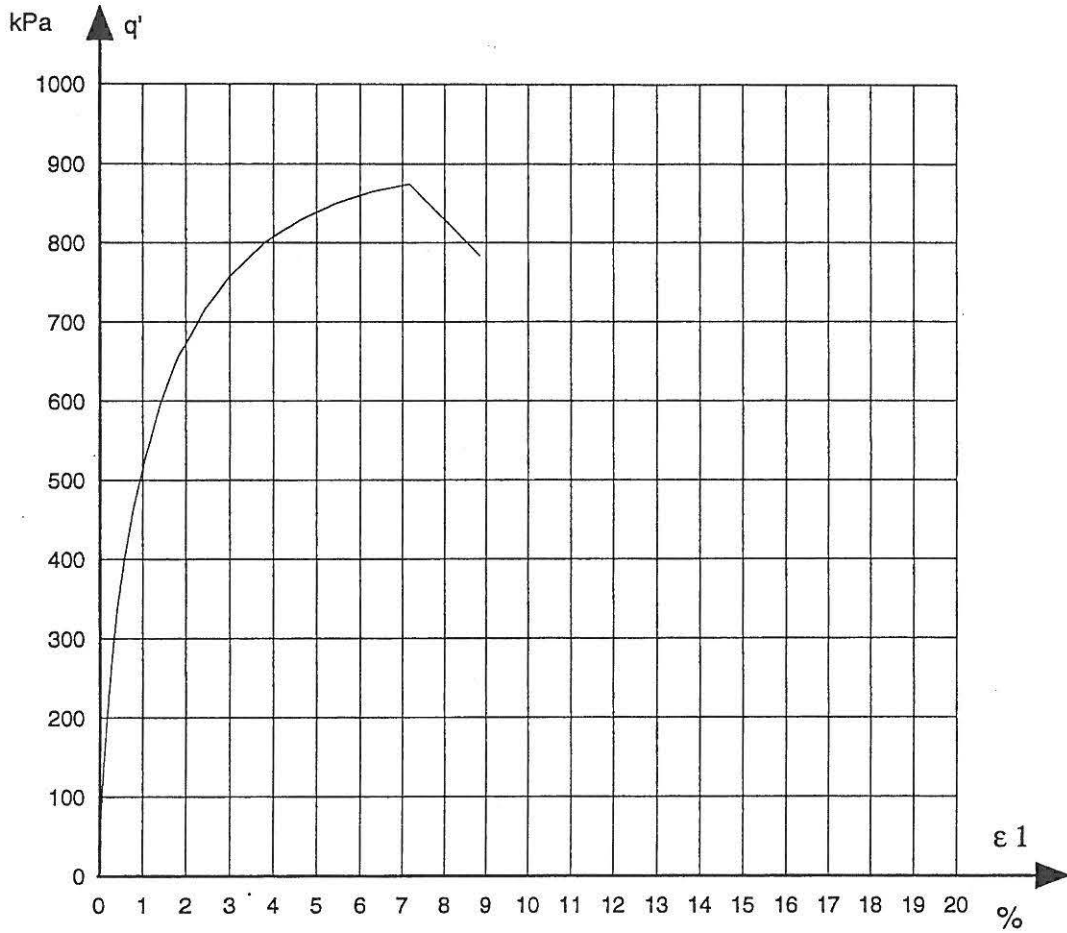
	Values at failure	Values for $\Delta\epsilon_v = 0$
Deviator stress q'		655.77 kPa
Mean normal stress p'		618.59 kPa
Confining pressures σ_3		400.00 kPa
Vertical strain ϵ_1		1.82 %
Volumetric strain ϵ_v		0.36 %



q'	p'	ϵ_1	ϵ_v
7.01	402.34	0.00	0.00
70.11	423.37	0.05	0.02
136.20	445.40	0.10	0.04
202.21	467.40	0.18	0.07
268.12	489.37	0.29	0.11
333.90	511.30	0.42	0.16
399.45	533.15	0.58	0.22
464.51	554.84	0.80	0.25
529.10	576.37	1.06	0.29
592.95	597.65	1.39	0.32
655.77	618.59	1.82	0.36
716.21	638.74	2.43	0.32
757.19	652.40	2.99	0.29
800.22	666.74	3.81	0.20
828.63	676.21	4.62	0.09
849.41	683.14	5.42	-0.04
864.32	688.11	6.26	-0.16
874.16	691.39	7.17	-0.32
783.08	661.03	8.86	-0.56

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

Remark: The specimen slipped out before failure.

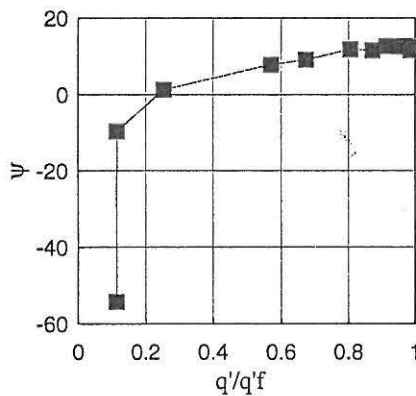
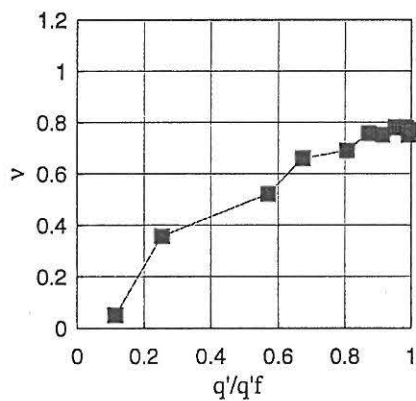


Job:	Blokhus sand	Encl. No	60
Exc:	HSP	Check:	LB

Description of soil Blokhus sand		Water content %	Before test	At failure
		Grain density	23.7	
Calibration file	Date	Void ratio	2.65	
Loadtransducer 2003	21.02.74	Saturation	0.696	0.755
		Dimension H mm	0.9	
		D mm	72	
			70	

TEST-PROGRAM	Drained compression.		
CD - Triaxial test. free ends	1. Isotropic compression.	σ_3	10-20 kPa
		ϵ_1	0.02 %
		ϵ_v	-0.02 %
	2. Drained compression.		
	Deformation rate:		9.6 % ph

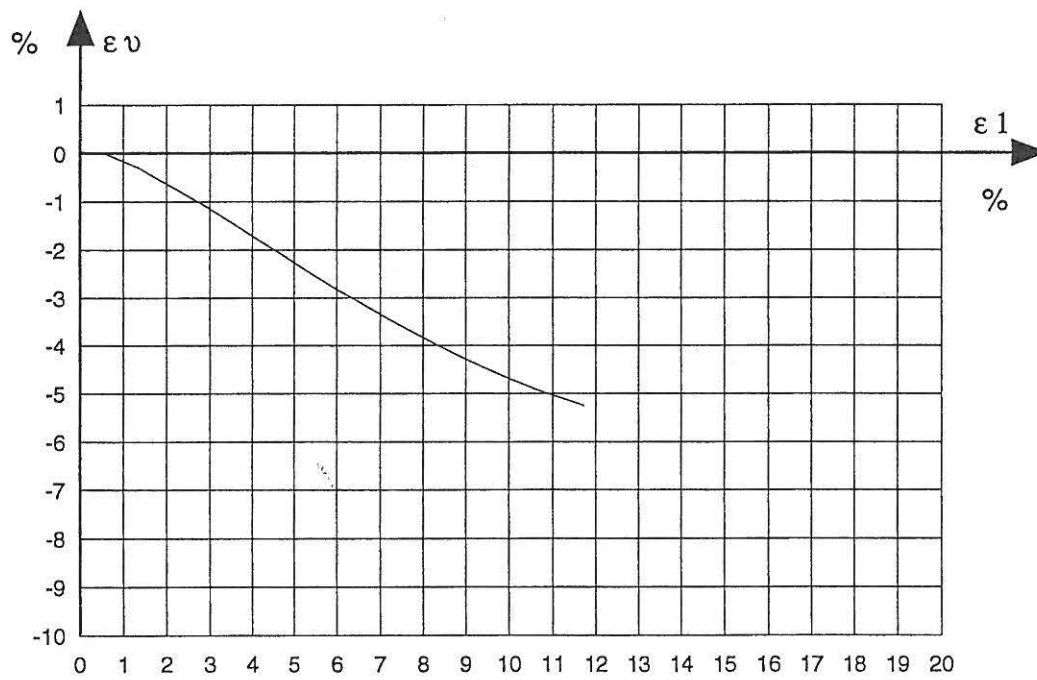
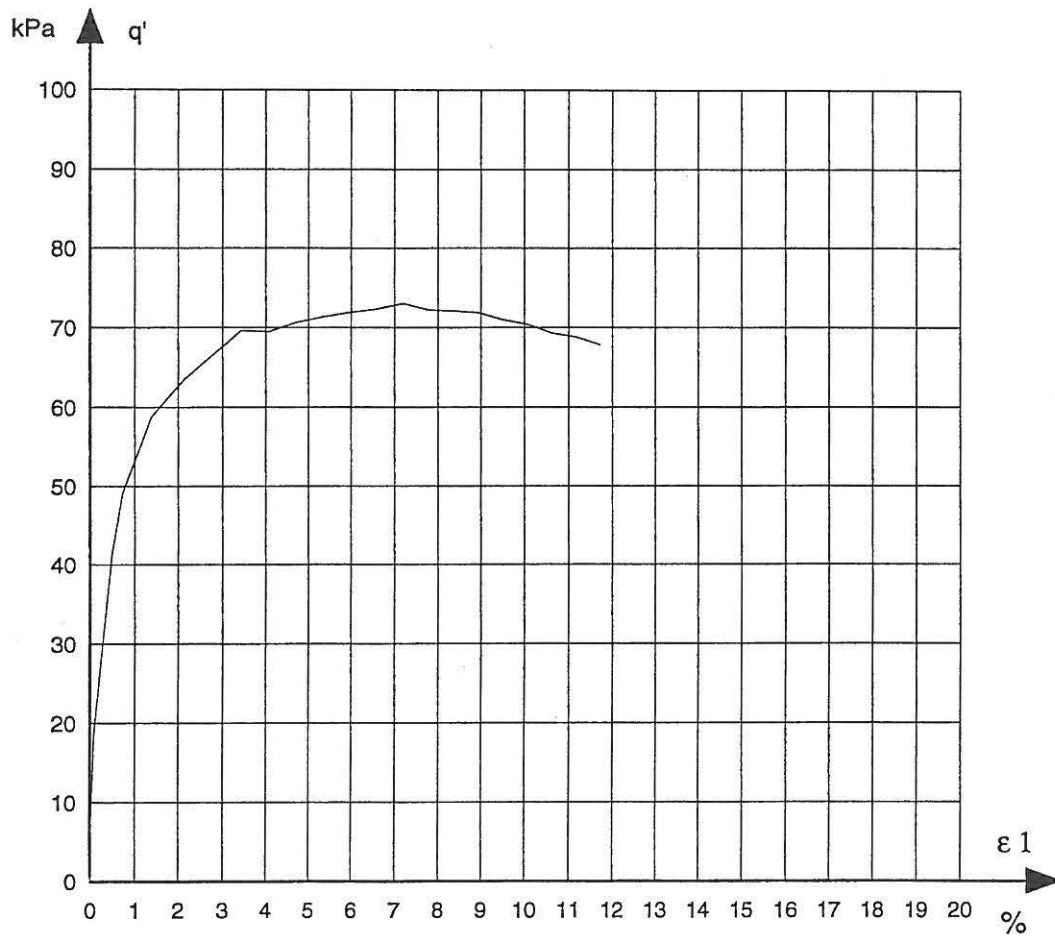
		Values at failure		Values for $\Delta\epsilon_v = 0$	
Deviator stress	q'	73.00	kPa	18.53	kPa
Mean normal stress	p'	44.33	kPa	26.18	kPa
Confining pressures	σ_3	20.00	kPa	20.00	kPa
Vertical strain	ϵ_1	7.19	%	0.08	%
Volumetric strain	ϵ_v	-3.45	%	0.04	%



q'	p'	ϵ_1	ϵ_v
8.20	22.73	0.00	0.00
8.24	22.75	0.02	0.02
18.53	26.18	0.08	0.04
41.52	33.84	0.48	0.02
49.06	36.35	0.71	-0.05
58.74	39.58	1.38	-0.31
63.56	41.19	2.15	-0.70
66.60	42.20	2.79	-1.03
69.61	43.20	3.43	-1.39
69.48	43.16	4.08	-1.75
70.64	43.55	4.72	-2.11
71.35	43.78	5.36	-2.47
71.92	43.97	5.98	-2.81
72.31	44.10	6.59	-3.12
73.00	44.33	7.19	-3.45
72.24	44.08	7.78	-3.74
72.10	44.03	8.36	-4.01
71.89	43.96	8.93	-4.26
70.97	43.66	9.50	-4.49
70.42	43.47	10.06	-4.71
69.33	43.11	10.61	-4.91
68.83	42.94	11.17	-5.09
67.87	42.62	11.71	-5.25

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

Remark:

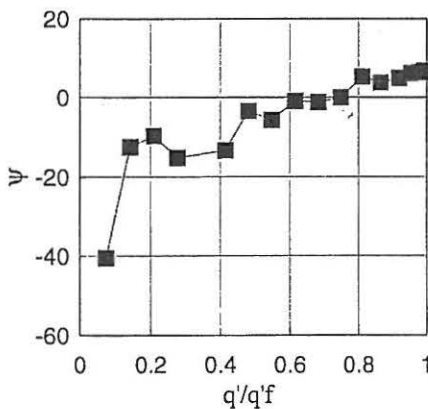
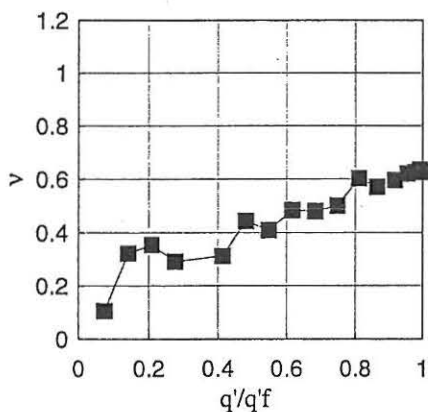


Job: Blokhus sand	Encl. No 62
Exc: HSP	Check: LB

Description of soil Blokhus sand		Water content %	Before test	At failure
		Grain density	25.8	
Calibration file	Date	Void ratio	2.65	
Loadtransducer 5001	21.02.74	Saturation	0.719	0.731
		Dimension H mm	0.95	
		D mm	72	
			70	

TEST-PROGRAM	Drained compression.		
CD - Triaxial test. free ends	1. Isotropic compression.	σ_3	20-400 kPa
		ϵ_1	0.27 %
		ϵ_v	0.60 %
	2. Drained compression.		
	Deformation rate:		9.7 % ph

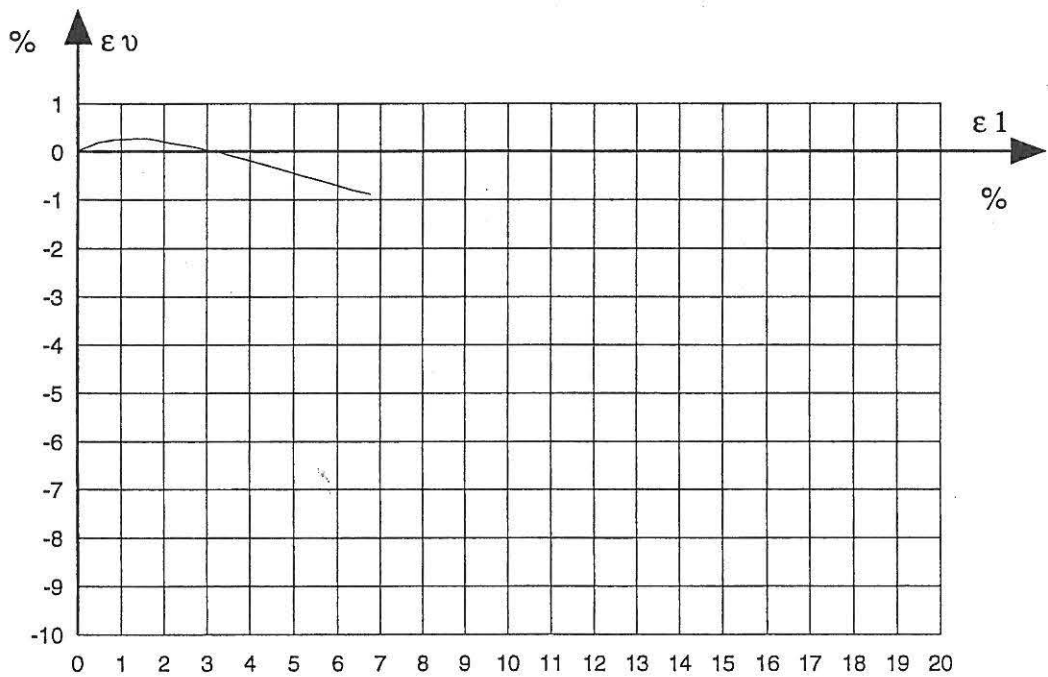
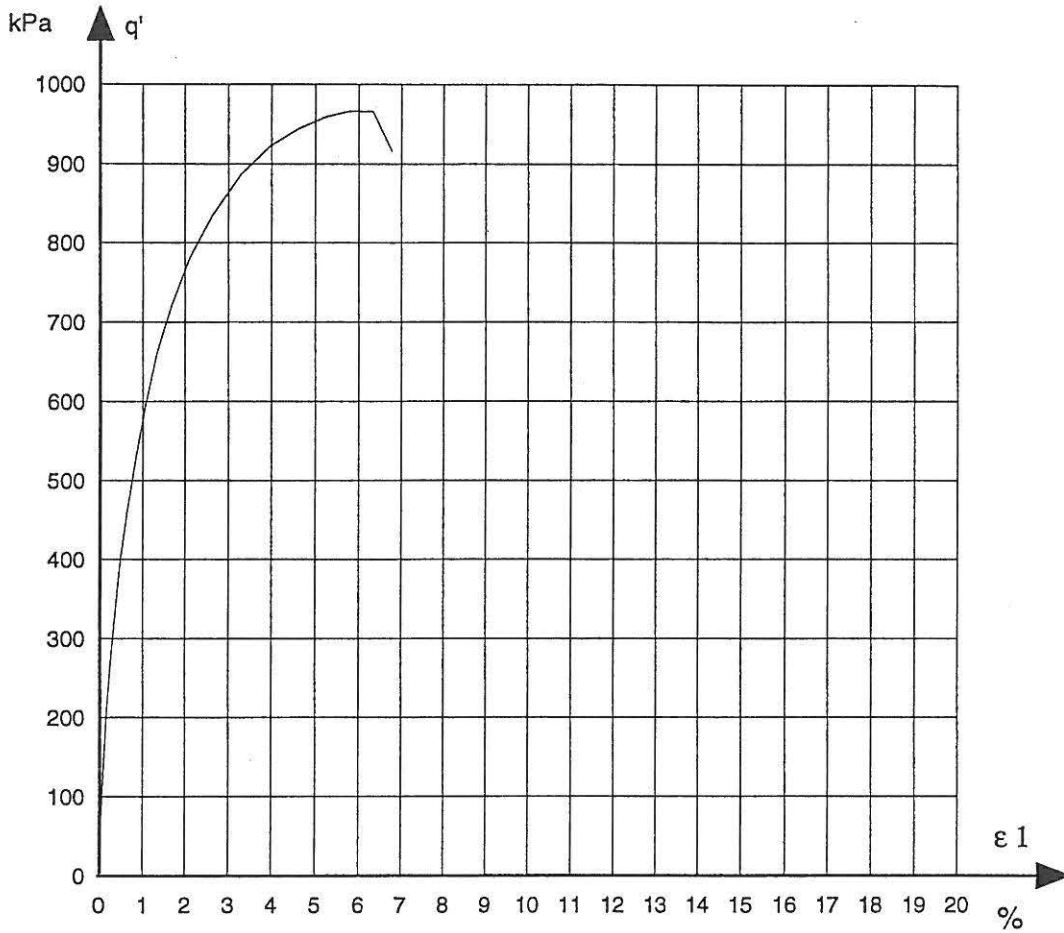
		Values at failure	Values for $\Delta \epsilon_v = 0$
Deviator stress	q'		721.38 kPa
Mean normal stress	p'		640.46 kPa
Confining pressures	σ_3		400.00 kPa
Vertical strain	ϵ_1		1.68 %
Volumetric strain	ϵ_v		0.27 %



q'	p'	ϵ_1	ϵ_v
70.10	423.37	0.00	0.00
70.12	423.37	0.05	0.04
136.22	445.41	0.10	0.05
202.26	467.42	0.16	0.07
268.23	489.41	0.25	0.11
399.75	533.25	0.49	0.20
465.06	555.02	0.65	0.22
530.06	576.69	0.84	0.25
594.55	598.18	1.06	0.26
658.45	619.48	1.33	0.27
721.38	640.46	1.68	0.27
782.35	660.78	2.12	0.18
834.45	678.15	2.63	0.11
886.59	695.53	3.29	-0.02
921.47	707.16	3.97	-0.18
943.72	714.57	4.61	-0.34
958.31	719.44	5.22	-0.51
966.12	722.04	5.79	-0.65
965.53	721.84	6.33	-0.79
914.47	704.82	6.78	-0.88

Job: Blokhus sand	Encl. No 63
Exc: HSP	Check: LB

Remark: The specimen slipped out before failure.

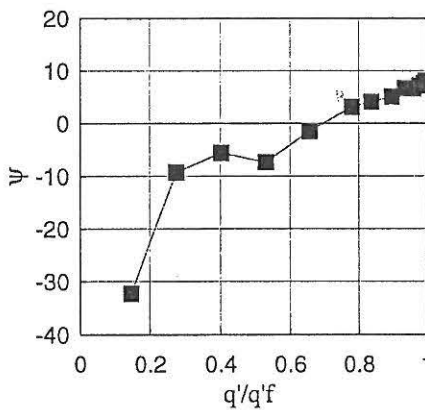
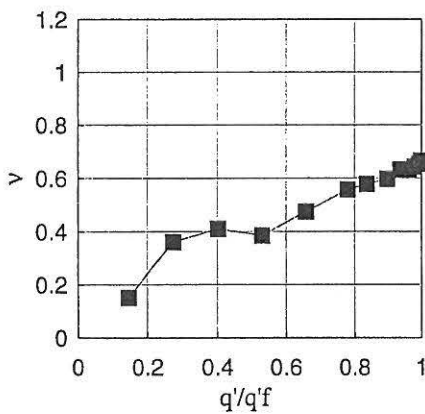


Job:	Blokhus sand	Encl. No	64
Exc:	HSP	Check:	LB

Description of soil Blokhus sand		Water content %	Before test	At failure
		Grain density	26.7	
Calibration file	Date	Void ratio	0.723	0.747
Loadtransducer 5001	26.02.74	Saturation	0.98	
		Dimension H mm	72	
		D mm	70	

TEST-PROGRAM CD - Triaxial test. free ends	Drained compression.		
	1. Isotropic compression.	σ_3	20-200 kPa
		ϵ_1	0.13 %
		ϵ_v	0.56 %
2. Drained compression.			
Deformation rate:			9.7 % ph

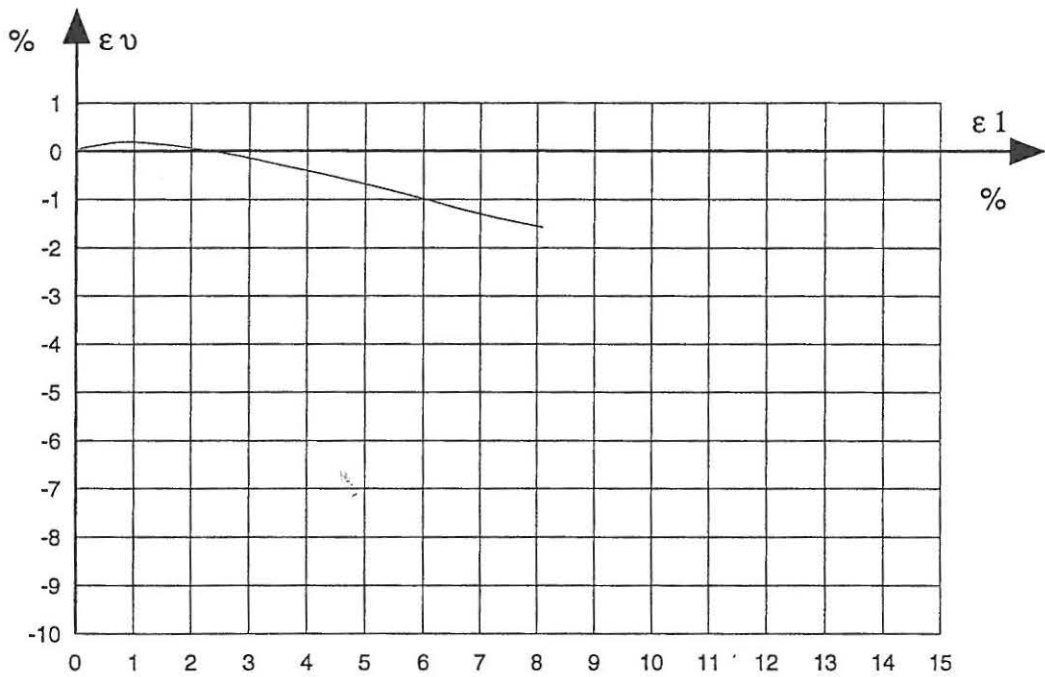
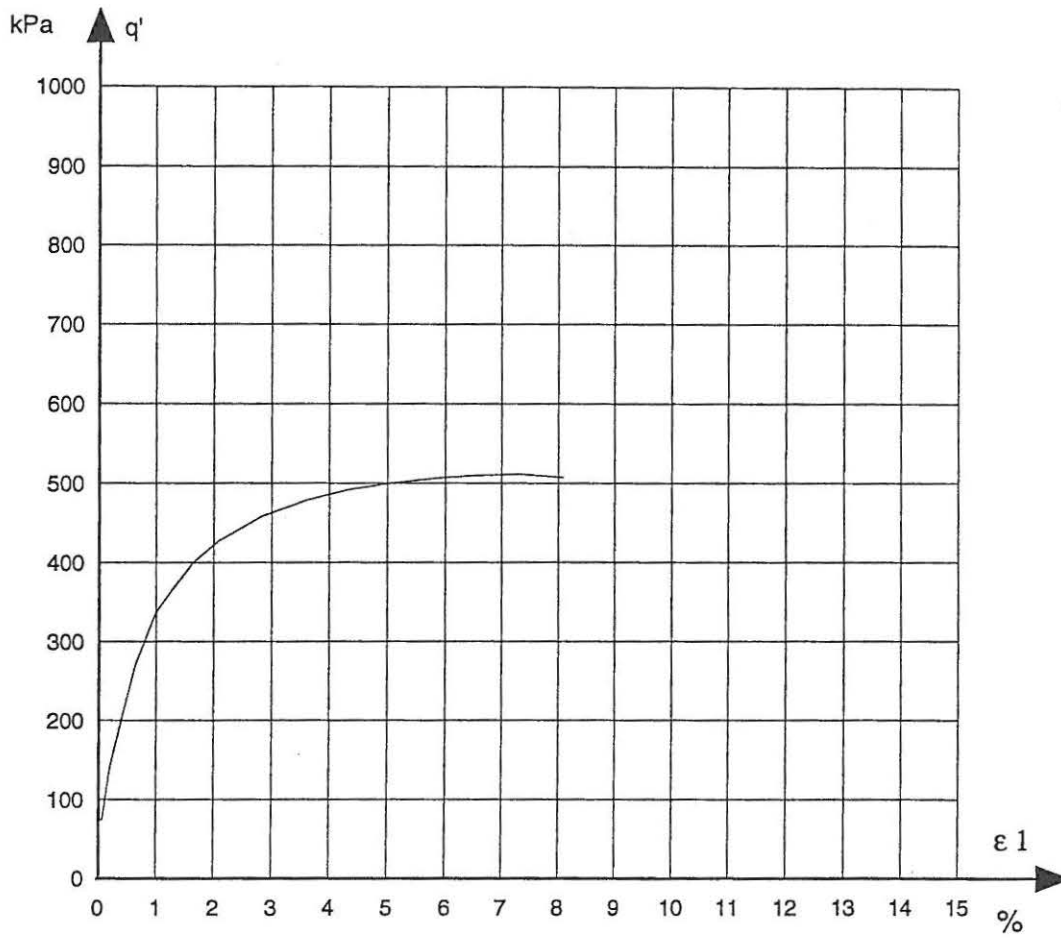
		Values at failure	Values for $\Delta\epsilon_v = 0$
Deviator stress	q'		336.01 kPa
Mean normal stress	p'		312.00 kPa
Confining pressures	σ_3		200.00 kPa
Vertical strain	ϵ_1		1.00 %
Volumetric strain	ϵ_v		0.20 %



q'	p'	ϵ_1	ϵ_v
74.10	224.70	0.00	0.00
74.08	224.69	0.08	0.05
140.09	246.70	0.21	0.09
205.82	268.61	0.41	0.13
271.29	290.43	0.65	0.18
336.01	312.00	1.00	0.20
398.80	332.93	1.63	0.13
427.74	342.58	2.09	0.05
458.94	352.98	2.84	-0.09
478.53	359.51	3.59	-0.29
492.35	364.12	4.34	-0.49
500.48	366.83	5.10	-0.70
506.90	368.97	5.92	-0.96
510.12	370.04	6.57	-1.17
511.64	370.55	7.31	-1.39
507.46	369.15	8.10	-1.57

Job: Blokhus sand	Encl. No 65
Exc: HSP	Check: LB

Remark: The specimen slipped out before failure.

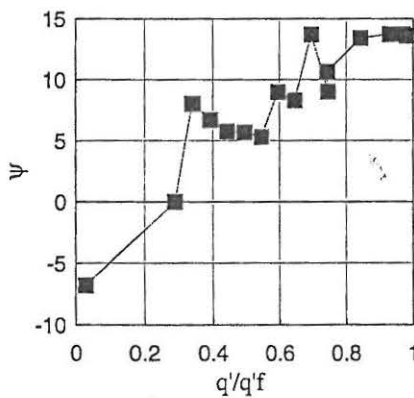
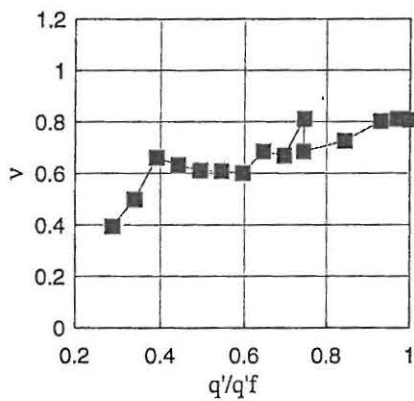


Job: Blokhus sand	Encl. No 66
Exc: HSP	Check: LB

Description of soil Blokhus sand		Water content %	Before test	At failure
		Grain density	24.2	
Calibration file	Date	Void ratio	0.699	0.747
Loadtransducer 181	26.02.74	Saturation	0.92	
		Dimension H mm	72	
		D mm	70	

TEST-PROGRAM	Drained compression.		
CD - Triaxial test. free ends	1. Isotropic compression.	σ_3	10-10 kPa
		ϵ_1	0.00 %
		ϵ_v	0.00 %
	2. Drained compression.		
	Deformation rate:		9.7 % ph

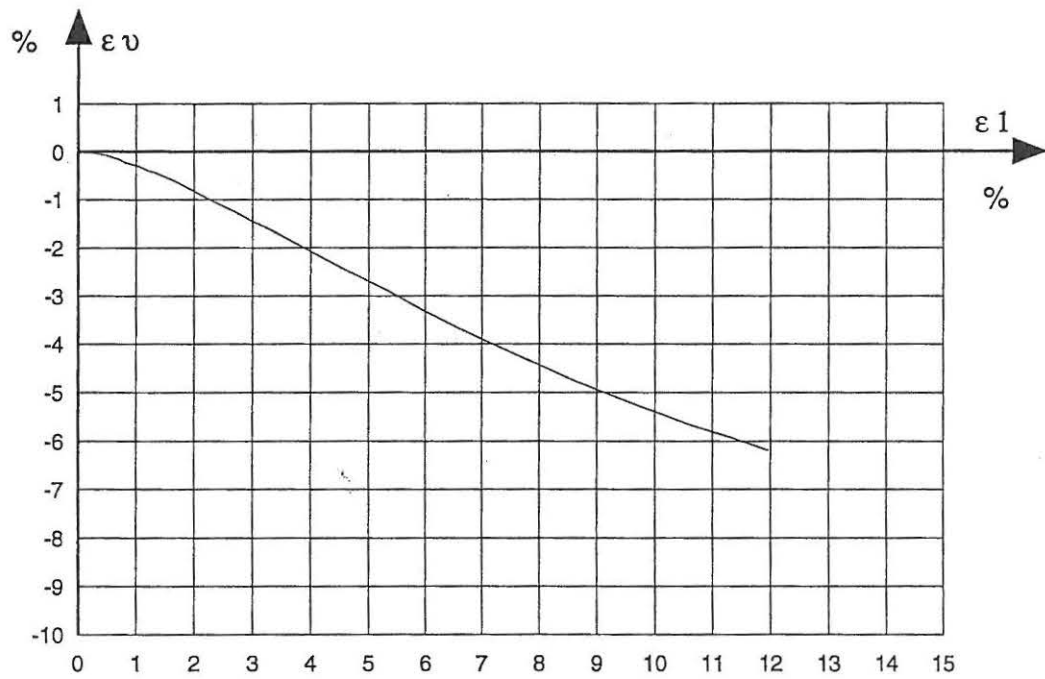
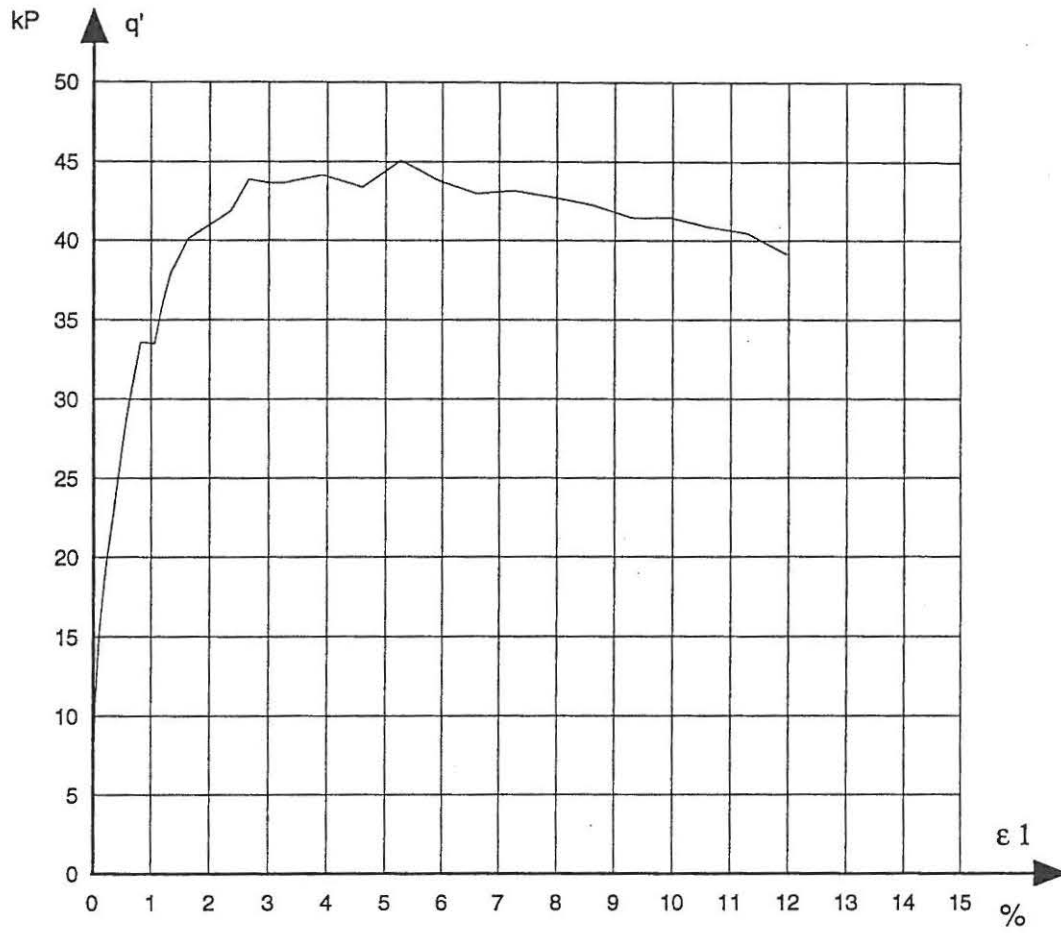
		Values at failure		Values for $\Delta\epsilon_v = 0$	
Deviator stress	q'	45.05	kPa	15.30	kPa
Mean normal stress	p'	24.37	kPa	14.45	kPa
Confining pressures	σ_3	9.35	kPa	9.35	kPa
Vertical strain	ϵ_1	5.26	%	0.13	%
Volumetric strain	ϵ_v	-2.85	%	0.02	%



q'	p'	ϵ_1	ϵ_v
1.31	9.79	0.00	0.00
12.97	13.67	0.09	0.02
15.30	14.45	0.13	0.02
17.61	15.22	0.18	0.00
19.93	15.99	0.25	-0.02
22.23	16.76	0.33	-0.04
24.53	17.53	0.41	-0.05
26.82	18.29	0.50	-0.07
29.11	19.05	0.60	-0.11
31.38	19.81	0.70	-0.14
33.63	20.56	0.82	-0.22
33.52	20.52	1.06	-0.31
37.96	22.00	1.34	-0.43
41.86	23.30	2.35	-1.05
43.65	23.90	2.99	-1.44
44.15	24.07	3.92	-2.02
45.05	24.37	5.26	-2.85
42.95	23.67	6.60	-3.68
42.72	23.59	7.95	-4.40
41.43	23.16	9.29	-5.07
41.45	23.17	9.95	-5.38
40.86	22.97	10.62	-5.67
40.45	22.83	11.29	-5.92
39.12	22.39	11.97	-6.19

Job: Blokhus sand	Encl. No 67
Exc: HSP	Check: LB

Remark: No isotropic consolidation.
--

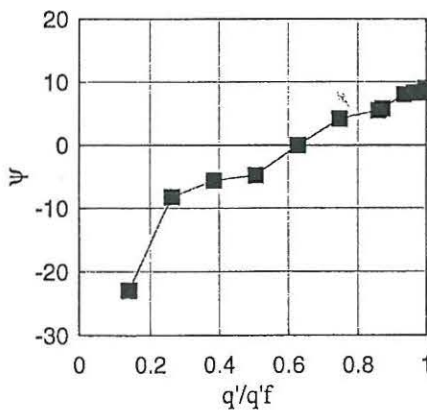
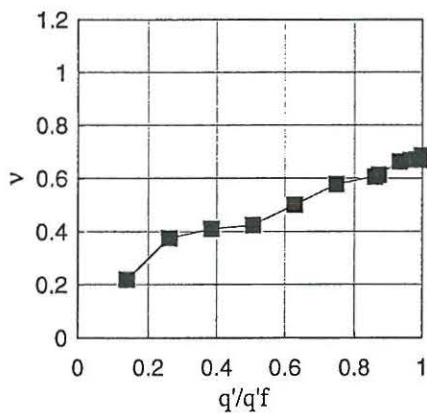


Job:	Encl. No
Blokhuis sand	68
Exc:	Check:
HSP	LB

Description of soil Blokhus sand		Water content %	Before test	At failure
		Grain density	24.7	
Calibration file	Date	Void ratio	0.734	0.768
Loadtransducer 5001	27.02.74	Saturation	0.89	
		Dimension H mm	72	
		D mm	70	

TEST-PROGRAM	Drained compression.			
CD - Triaxial test. free ends	1. Isotropic compression.	σ_3	20-200 kPa	
		ϵ_1	0.26 %	
		ϵ_v	0.24 %	
	2. Drained compression.			
	Deformation rate:	9.7 % ph		

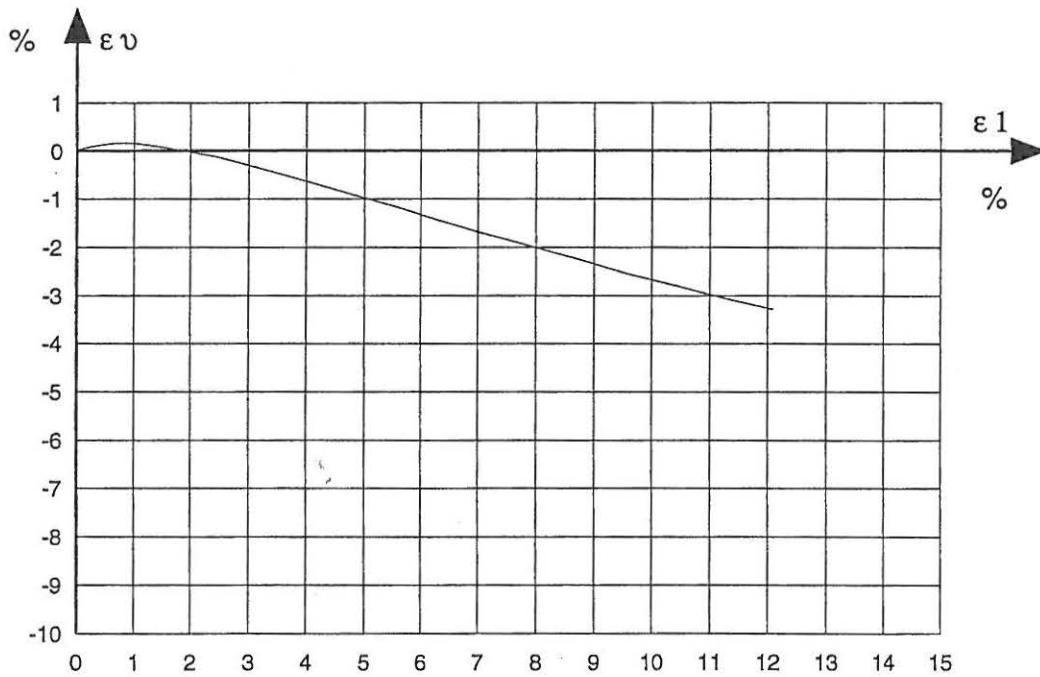
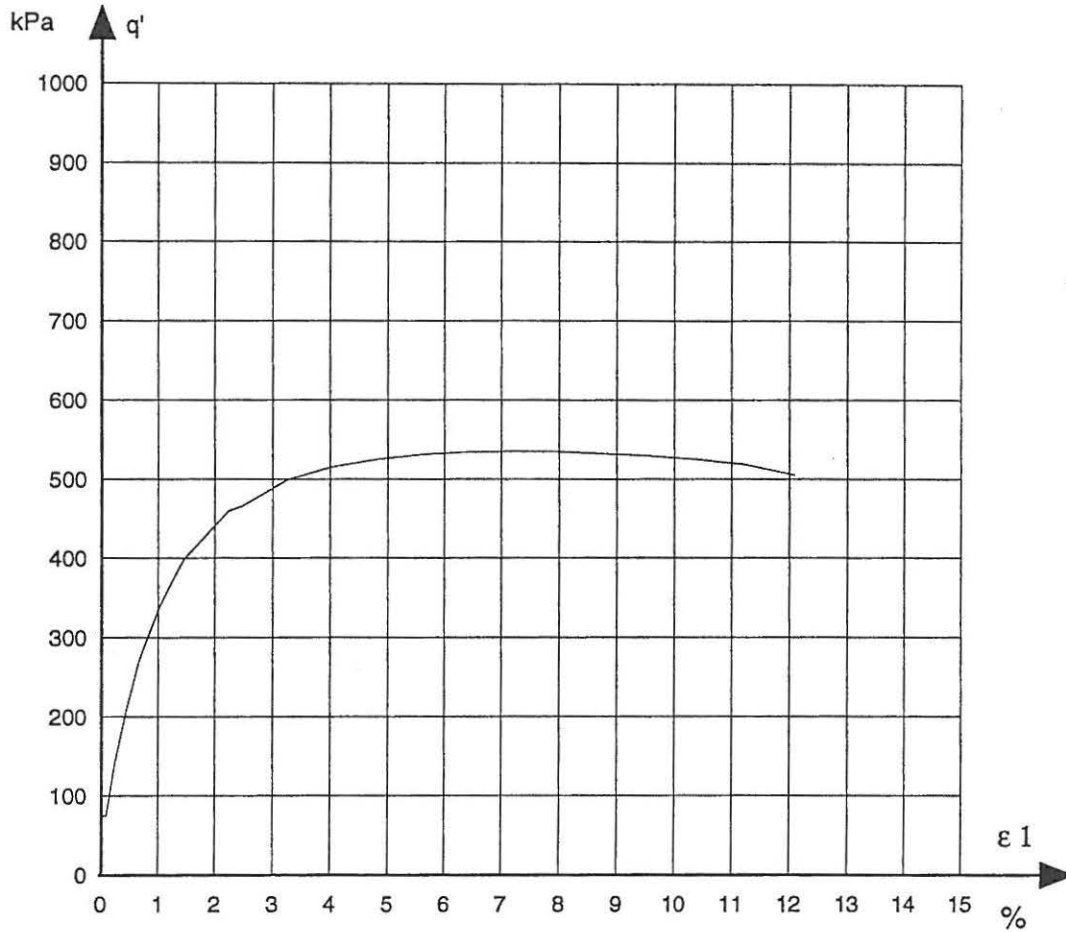
		Values at failure		Values for $\Delta\epsilon_v = 0$	
Deviator stress	q'	535.27	kPa	335.85	kPa
Mean normal stress	p'	378.42	kPa	311.95	kPa
Confining pressures	σ_3	200.00	kPa	200.00	kPa
Vertical strain	ϵ_1	7.88	%	1.01	%
Volumetric strain	ϵ_v	-1.97	%	0.16	%



q'	p'	ϵ_1	ϵ_v
74.10	224.70	0.00	0.00
74.06	224.69	0.10	0.05
140.04	246.68	0.24	0.09
205.75	268.58	0.45	0.13
271.15	290.38	0.68	0.16
335.85	311.95	1.01	0.16
399.28	333.09	1.47	0.09
460.16	353.39	2.24	-0.07
466.38	355.46	2.48	-0.13
499.76	366.59	3.26	-0.38
515.60	371.87	4.06	-0.65
525.45	375.15	4.85	-0.92
531.11	377.04	5.60	-1.17
533.91	377.97	6.33	-1.44
535.25	378.42	7.10	-1.71
535.27	378.42	7.88	-1.97
533.00	377.67	8.70	-2.24
529.65	376.55	9.57	-2.54
525.22	375.07	10.42	-2.80
518.57	372.86	11.24	-3.05
505.05	368.35	12.10	-3.28

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

Remark: The specimen slipped out after failure.
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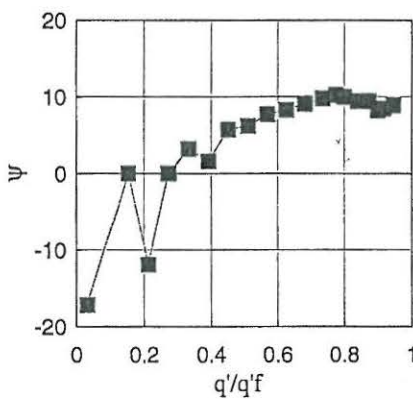
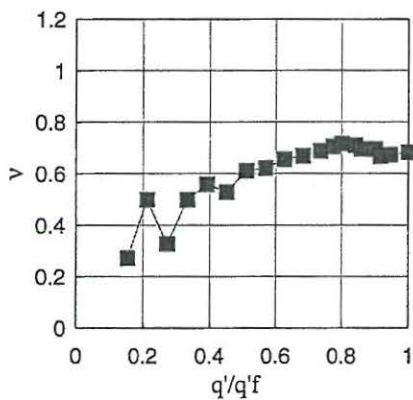


Job: Blokhus sand	Encl. No 70
Exc: HSP	Check: LB

Description of soil Blokhus sand		Water content %	Before test	At failure
		Grain density	26.1	
Calibration file	Date	Void ratio	0.724	0.781
Loadtransducer 181	27.02.74	Saturation	0.95	
		Dimension H mm	72	
		D mm	70	

TEST-PROGRAM	Drained compression.		
CD - Triaxial test. free ends	1. Isotropic compression.	σ_3	10-10 kPa
		ϵ_1	0.00 %
		ϵ_v	0.00 %
	2. Drained compression.		
	Deformation rate:		9.7 % ph

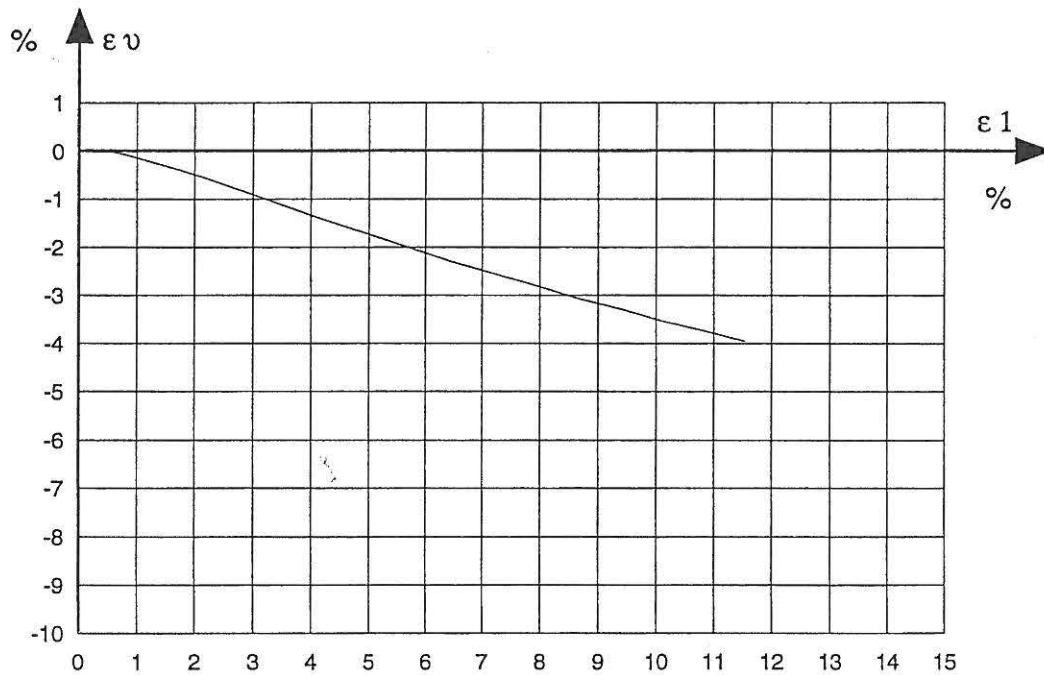
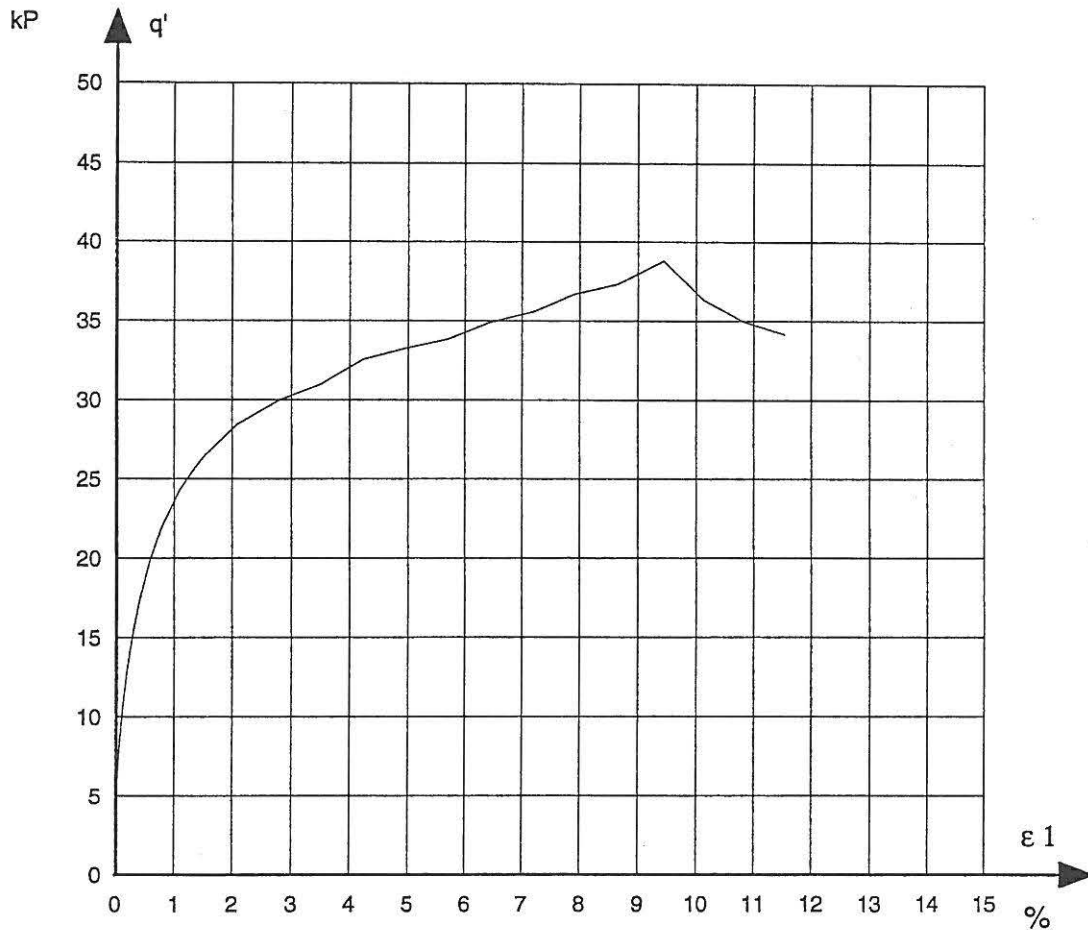
		Values at failure		Values for $\Delta\epsilon_v = 0$	
Deviator stress	q'	38.80	kPa	12.88	kPa
Mean normal stress	p'	22.28	kPa	13.64	kPa
Confining pressures	σ_3	9.35	kPa	9.35	kPa
Vertical strain	ϵ_1	9.45	%	0.20	%
Volumetric strain	ϵ_v	-3.30	%	0.04	%



q'	p'	ϵ_1	ϵ_v
1.24	9.76	0.00	0.00
5.90	11.32	0.04	0.02
8.23	12.09	0.08	0.02
10.56	12.87	0.13	0.04
12.88	13.64	0.20	0.04
15.20	14.42	0.29	0.03
17.50	15.18	0.41	0.02
19.79	15.95	0.58	-0.02
22.04	16.70	0.80	-0.07
24.26	17.44	1.09	-0.16
26.42	18.16	1.51	-0.31
28.48	18.84	2.09	-0.52
29.99	19.35	2.79	-0.81
30.98	19.68	3.50	-1.12
32.57	20.21	4.23	-1.43
33.26	20.44	4.96	-1.71
33.83	20.63	5.70	-2.00
34.90	20.98	6.43	-2.29
35.55	21.20	7.19	-2.54
36.70	21.58	7.92	-2.80
38.80	21.79	8.65	-3.07
36.36	22.28	9.45	-3.30
34.97	21.47	10.12	-3.54
34.17	21.01	10.81	-3.74

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

Remark: No isotropic consolidation.
--

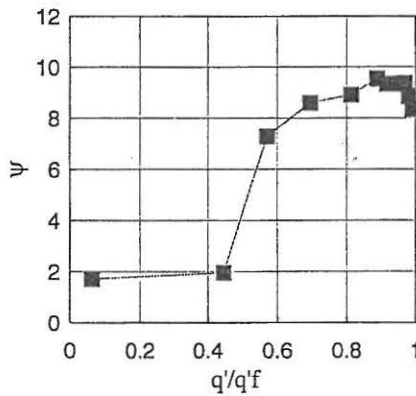
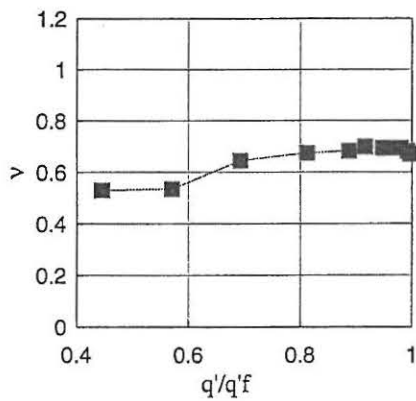


Job:	Encl. No
Blokhuis sand	72
Exc:	Check:
HSP	LB

Description of soil Blokhus sand		Water content %	Before test	At failure
		Grain density	26.7	
Calibration file	Date	Void ratio	0.741	0.789
Loadtransducer	28.02.74	Saturation	0.96	
181		Dimension H mm	72	
		D mm	70	

TEST-PROGRAM	Drained compression.			
CD - Triaxial test. free ends	1. Isotropic compression.	σ_3	10-4.35 kPa	
		ϵ_1	-0.003 %	
		ϵ_v	-0.054 %	
	2. Drained compression.			
	Deformation rate:		9.7 % ph	

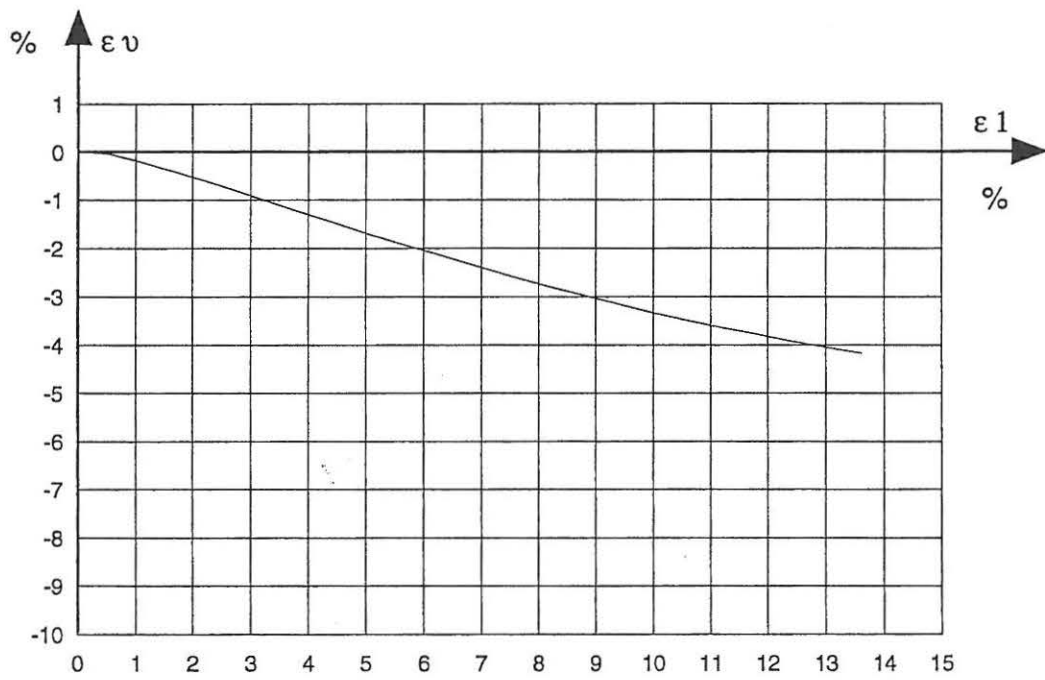
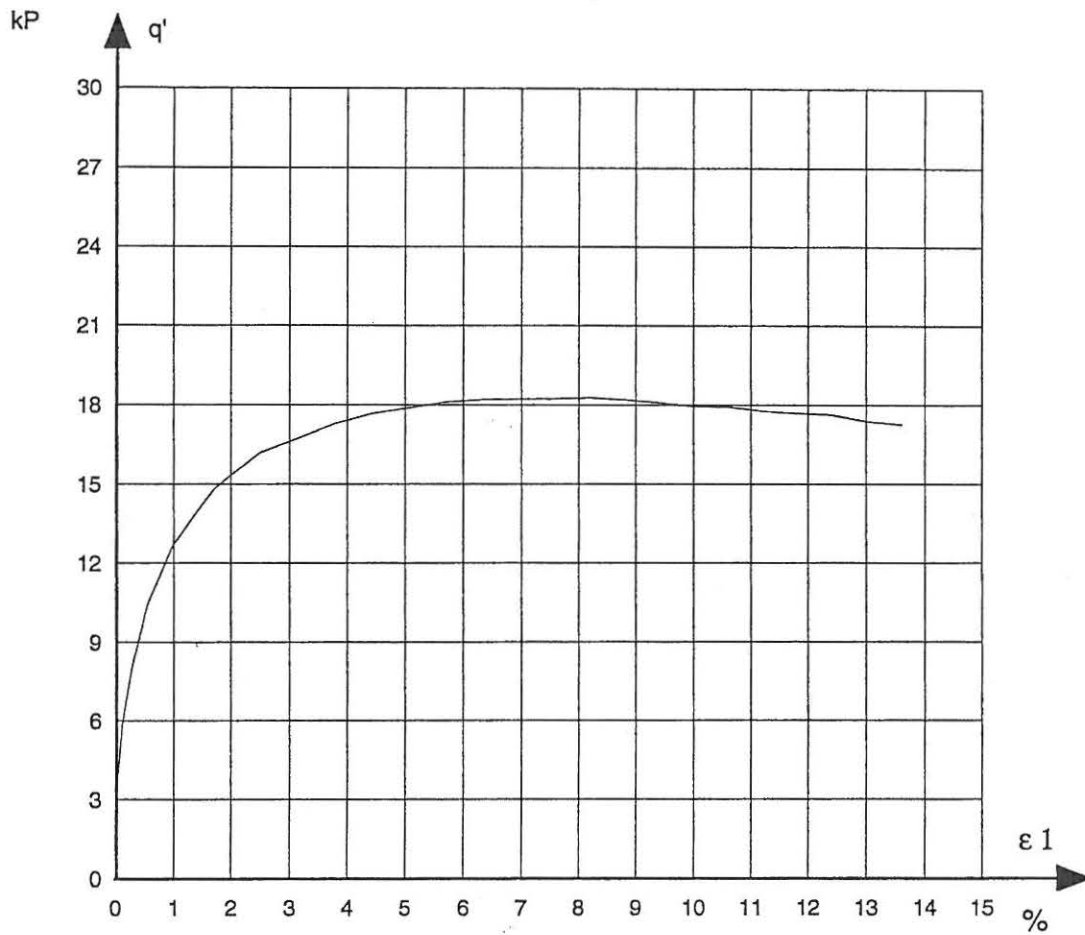
		Values at failure		Values for $\Delta \epsilon_v = 0$	
Deviator stress	q'	18.27	kPa	1.14	kPa
Mean normal stress	p'	10.44	kPa	4.73	kPa
Confining pressures	σ_3	4.35	kPa	4.35	kPa
Vertical strain	ϵ_1	8.19	%	0.00	%
Volumetric strain	ϵ_v	-2.80	%	0.00	%



q'	p'	ϵ_1	ϵ_v
1.14	4.73	0.00	0.00
8.12	7.06	0.29	-0.02
10.42	7.82	0.54	-0.04
12.66	8.57	0.98	-0.16
14.83	9.29	1.70	-0.42
16.19	9.75	2.49	-0.70
16.72	9.92	3.12	-0.96
17.29	10.11	3.77	-1.21
17.67	10.24	4.42	-1.46
17.89	10.31	5.07	-1.71
18.11	10.39	5.72	-1.95
18.20	10.42	6.35	-2.17
18.22	10.42	6.96	-2.38
18.24	10.43	7.58	-2.60
18.27	10.44	8.19	-2.80
18.20	10.42	8.80	-2.98
18.09	10.38	9.41	-3.16
17.94	10.33	10.02	-3.34
17.92	10.32	10.62	-3.50
17.77	10.27	11.22	-3.65
17.70	10.25	11.81	-3.77
17.64	10.23	12.41	-3.92
17.39	10.15	13.00	-4.04
17.27	10.11	13.62	-4.17

Job:	Encl. No
Blokhus sand	73
Exc:	Check:
HSP	LB

Remark:

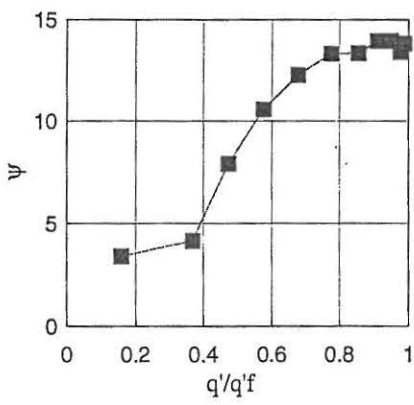
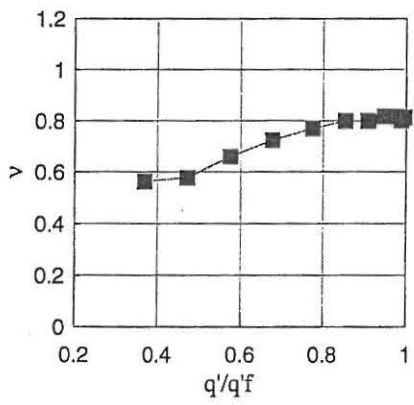


Job: Blokhus sand	Encl. No 74
Exc: HSP	Check: LB

Description of soil Blokhus sand		Water content %	Before test	At failure
		Grain density	24.8	
Calibration file	Date	Void ratio	0.682	0.740
Loadtransducer 181	01.03.74	Saturation	0.96	
		Dimension H mm	72	
		D mm	70	

TEST-PROGRAM	Drained compression.		
CD - Triaxial test. free ends	1. Isotropic compression.	σ_3	10-4.35 kPa
		ϵ_1	-0.003 %
		ϵ_v	-0.036 %
	2. Drained compression.		
	Deformation rate:		9.7 % ph

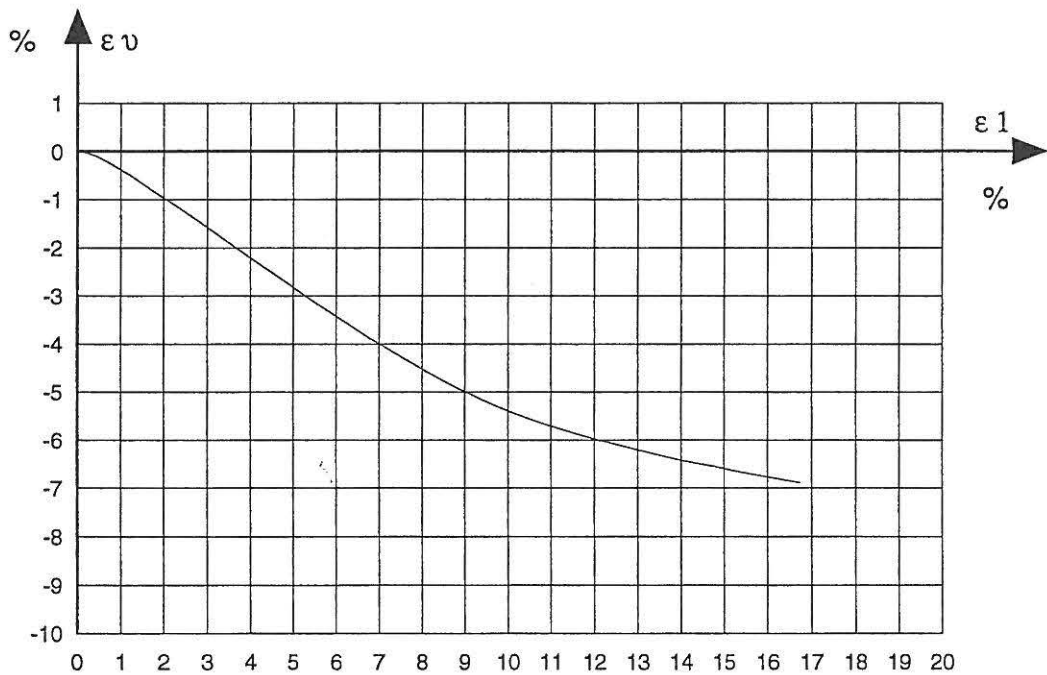
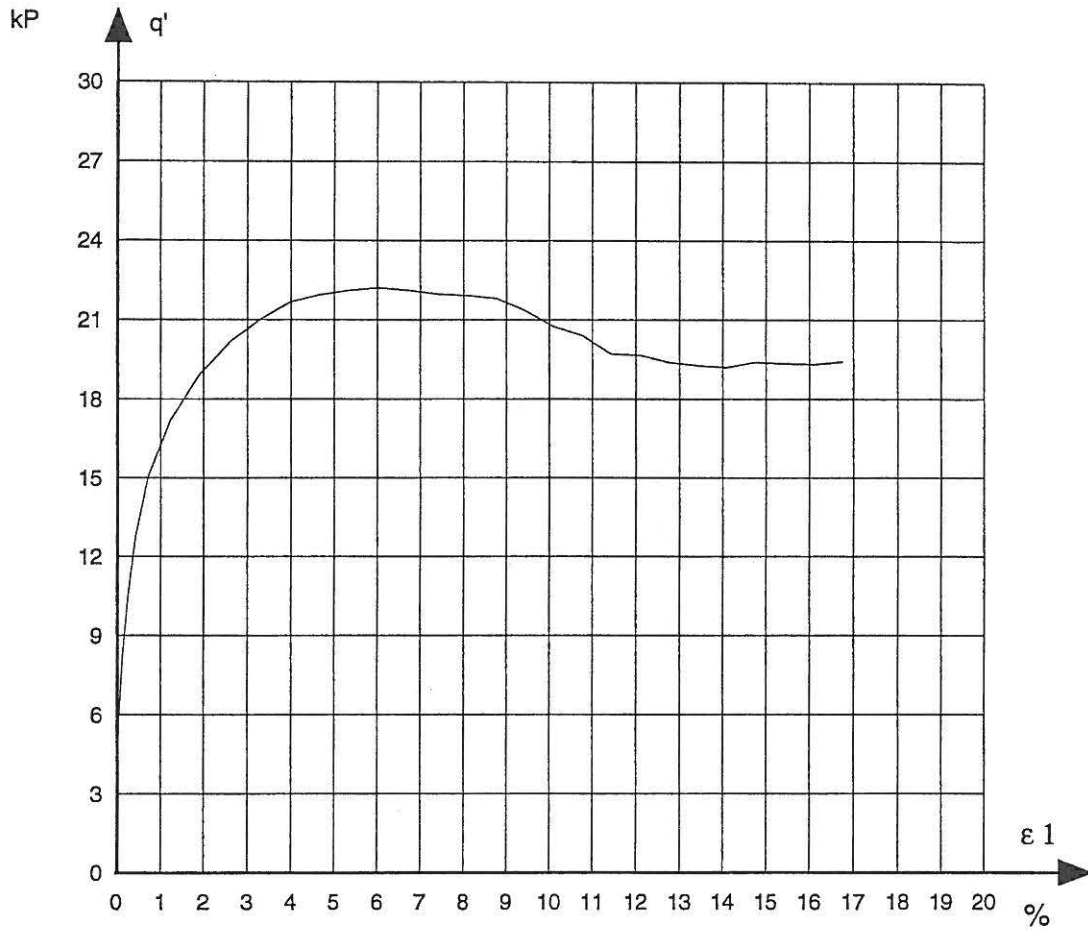
		Values at failure		Values for $\Delta \epsilon_v = 0$	
Deviator stress	q'	22.20	kPa	3.50	kPa
Mean normal stress	p'	11.75	kPa	5.52	kPa
Confining pressures	σ_3	4.35	kPa	4.35	kPa
Vertical strain	ϵ_1	6.04	%	0.00	%
Volumetric strain	ϵ_v	-3.45	%	0.00	%



q'	p'	ϵ_1	ϵ_v
3.50	5.52	0.00	0.00
8.15	7.07	0.14	-0.02
10.47	7.84	0.26	-0.04
12.77	8.61	0.43	-0.09
15.03	9.36	0.71	-0.22
17.20	10.08	1.23	-0.50
18.96	10.67	1.93	-0.92
20.18	11.08	2.62	-1.34
21.02	11.36	3.30	-1.77
21.66	11.57	3.98	-2.20
21.94	11.66	4.67	-2.62
22.11	11.72	5.36	-3.05
22.20	11.75	6.04	-3.45
22.10	11.72	6.72	-3.84
21.96	11.67	7.40	-4.20
21.91	11.65	8.08	-4.57
21.80	11.62	8.77	-4.89
21.36	11.47	9.44	-5.18
20.75	11.27	10.10	-5.43
19.72	11.16	10.78	-5.65
19.40	10.92	11.43	-5.83
19.20	10.91	12.09	-6.01
19.35	10.82	12.75	-6.15
19.42	10.78	13.41	-6.30

Job: Blokhus sand	Encl. No 75
Exc: HSP	Check: LB

Remark:

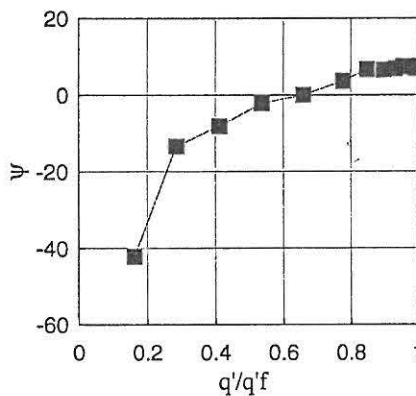
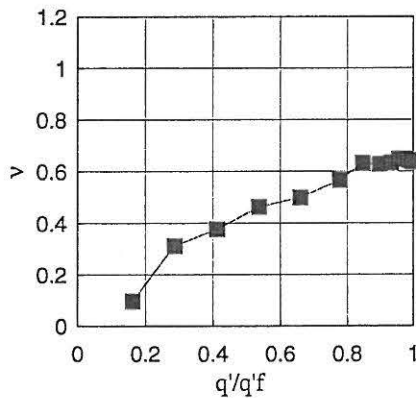


Job: Blokhus sand	Encl. No 76
Exc: HSP	Check: LB

Description of soil Blokhus sand		Water content %	Before test	At failure
		Grain density	26.3	
Calibration file	Date	Void ratio	0.727	0.771
Loadtransducer 5001	01.03.74	Saturation	0.96	
		Dimension H mm	72	
		D mm	70	

TEST-PROGRAM	Drained compression.		
CD - Triaxial test. free ends	1. Isotropic compression.	σ_3	20-100 kPa
		ϵ_1	0.07 %
		ϵ_v	0.22 %
	2. Drained compression.		
	Deformation rate:		9.7 % ph

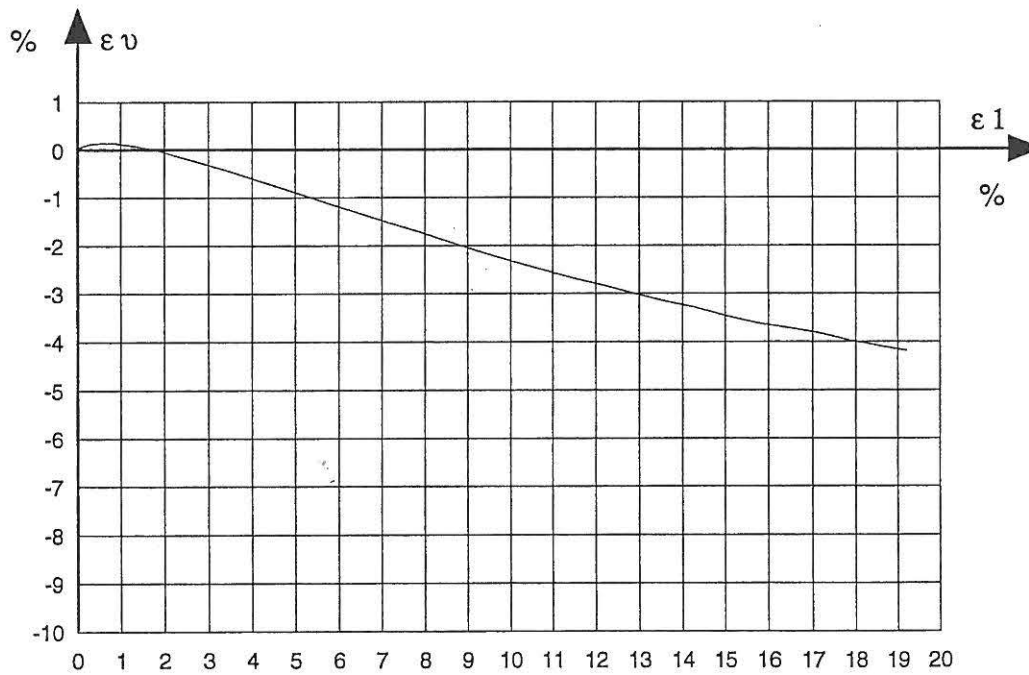
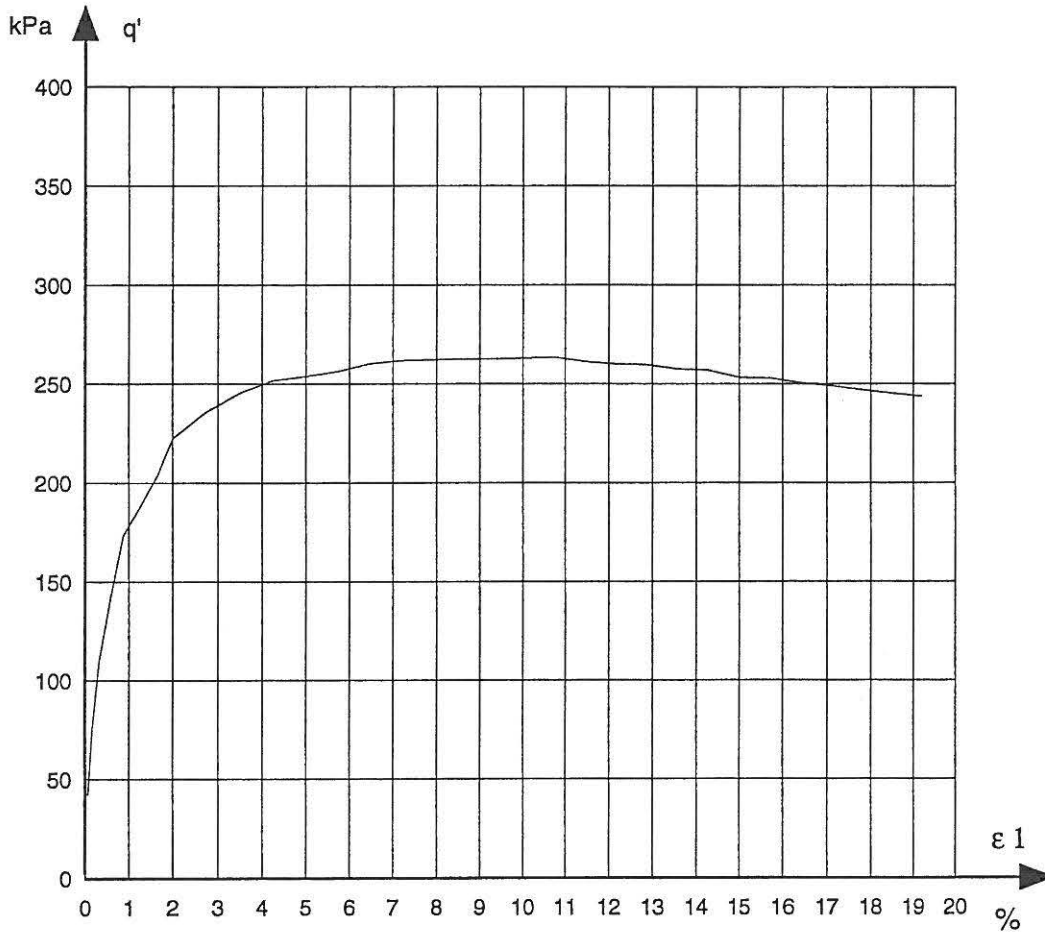
		Values at failure		Values for $\Delta \epsilon_v = 0$	
Deviator stress	q'	263.25	kPa	173.38	kPa
Mean normal stress	p'	187.75	kPa	157.79	kPa
Confining pressures	σ_3	100.00	kPa	100.00	kPa
Vertical strain	ϵ_1	10.78	%	0.87	%
Volumetric strain	ϵ_v	-2.51	%	0.14	%



q'	p'	ϵ_1	ϵ_v
42.30	114.10	0.00	0.00
42.33	114.11	0.07	0.05
75.36	125.12	0.16	0.09
108.30	136.10	0.31	0.13
140.99	147.00	0.55	0.14
173.38	157.79	0.87	0.14
204.33	168.11	1.67	0.04
222.88	174.29	2.01	-0.05
236.21	178.74	2.78	-0.25
245.53	181.84	3.52	-0.45
251.72	183.91	4.24	-0.67
253.91	184.64	5.04	-0.90
256.36	185.45	5.76	-1.12
260.20	186.73	6.46	-1.32
262.03	187.34	7.83	-1.70
262.68	187.56	9.28	-2.13
263.25	187.75	10.78	-2.51
261.18	187.06	11.48	-2.69
260.01	186.67	12.18	-2.83
259.62	186.54	12.85	-3.00
257.55	185.85	13.56	-3.16
253.26	184.42	15.00	-3.46
250.31	183.44	16.47	-3.72
243.76	181.25	19.21	-4.19

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

Remark:

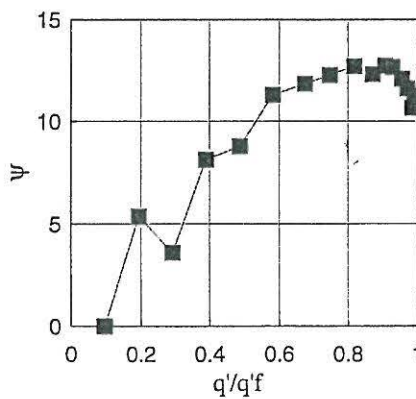
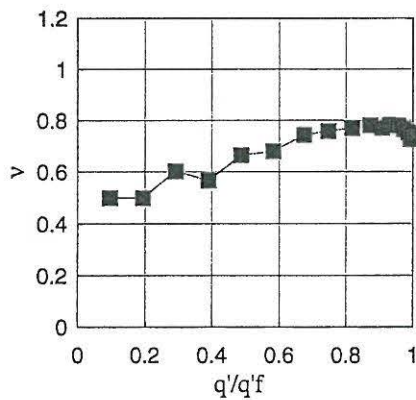


Job: Blokhus sand	Encl. No 78
Exc: HSP	Check: LB

Description of soil Blokhus sand		Water content %	Before test	At failure
		Grain density	24.9	
Calibration file	Date	Void ratio	2.65	0.713
Loadtransducer 181	04.03.74	Saturation	0.649	
		Dimension H mm	1.02	
		Dimension D mm	72	
			70	

TEST-PROGRAM	Drained compression.		
CD - Triaxial test. free ends	1. Isotropic compression.	σ_3	10-1.85 kPa
		ϵ_1	0.001 %
		ϵ_v	-0.144 %
	2. Drained compression.		
	Deformation rate:		9.7 % ph

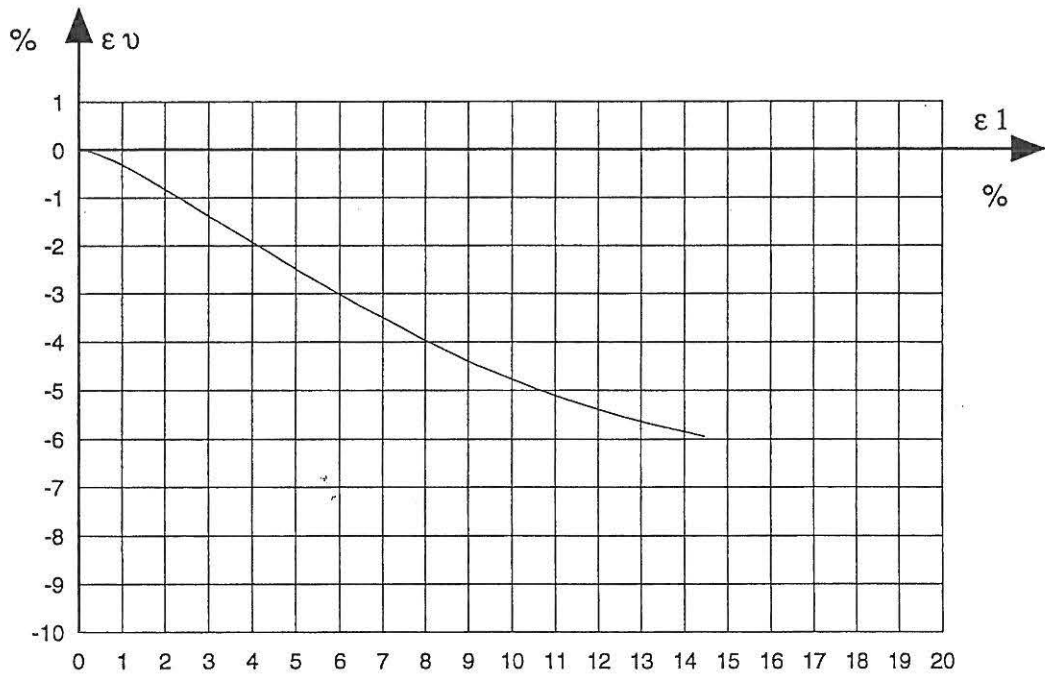
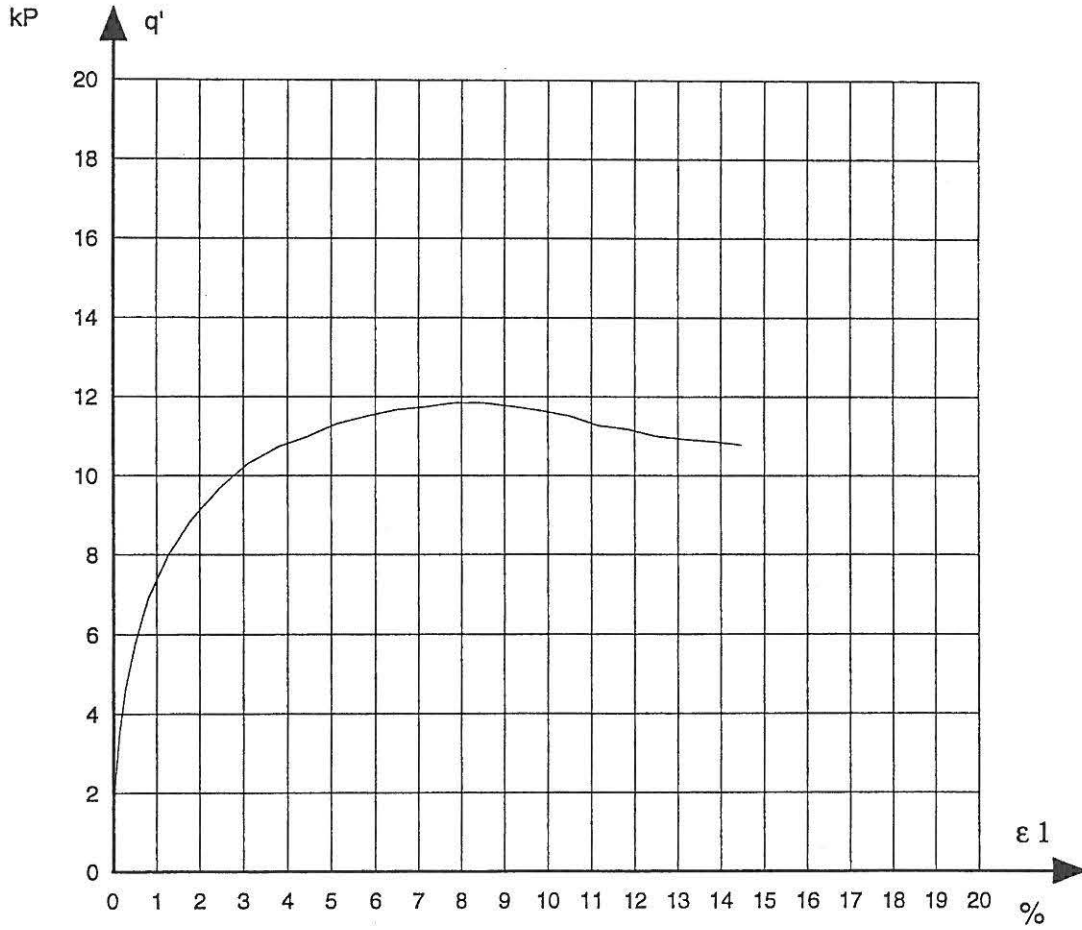
		Values at failure		Values for $\Delta\epsilon_v = 0$	
Deviator stress	q'	11.85	kPa	2.29	kPa
Mean normal stress	p'	5.80	kPa	2.61	kPa
Confining pressures	σ_3	1.85	kPa	1.85	kPa
Vertical strain	ϵ_1	7.84	%	0.07	%
Volumetric strain	ϵ_v	-3.90	%	0.00	%



q'	p'	ϵ_1	ϵ_v
1.13	2.23	0.00	0.00
1.13	2.23	0.02	0.00
2.29	2.61	0.07	0.00
3.46	3.00	0.16	-0.02
4.61	3.39	0.29	-0.04
5.76	3.77	0.51	-0.11
6.89	4.15	0.81	-0.22
7.99	4.51	1.26	-0.43
8.85	4.80	1.78	-0.70
9.68	5.08	2.45	-1.06
10.32	5.29	3.12	-1.44
10.74	5.43	3.79	-1.80
11.00	5.52	4.45	-2.18
11.33	5.63	5.13	-2.56
11.51	5.69	5.81	-2.92
11.68	5.74	6.49	-3.27
11.75	5.77	7.17	-3.57
11.85	5.80	7.84	-3.90
11.84	5.80	8.51	-4.19
11.76	5.77	9.19	-4.48
11.51	5.69	10.51	-4.94
11.19	5.58	11.82	-5.34
10.92	5.49	13.28	-5.70
10.78	5.44	14.48	-5.95

Job: Blokhus sand	Encl. No 79
Exc: HSP	Check: LB

Remark:

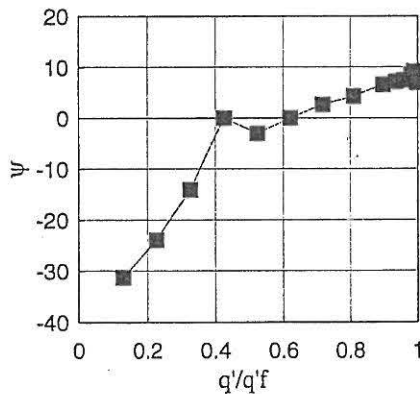
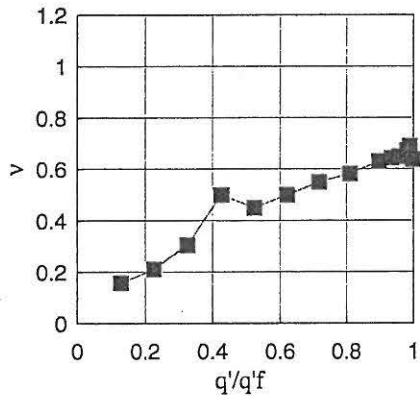


Job:	Blokhuis sand	Encl. No	80
Exc:	HSP	Check:	LB

Description of soil Blokhus sand		Water content %	Before test	At failure
		Grain density	25.5	
Calibration file	Date	Void ratio	0.757	0.788
Loadtransducer	05.03.74	Saturation	0.89	
2003		Dimension H mm	72	
		D mm	70	

TEST-PROGRAM	Drained compression.		
CD - Triaxial test. free ends	1. Isotropic compression.	σ_3	10-100 kPa
		ϵ_1	0.15 %
		ϵ_v	0.36 %
	2. Drained compression.		
	Deformation rate:		9.7 % ph

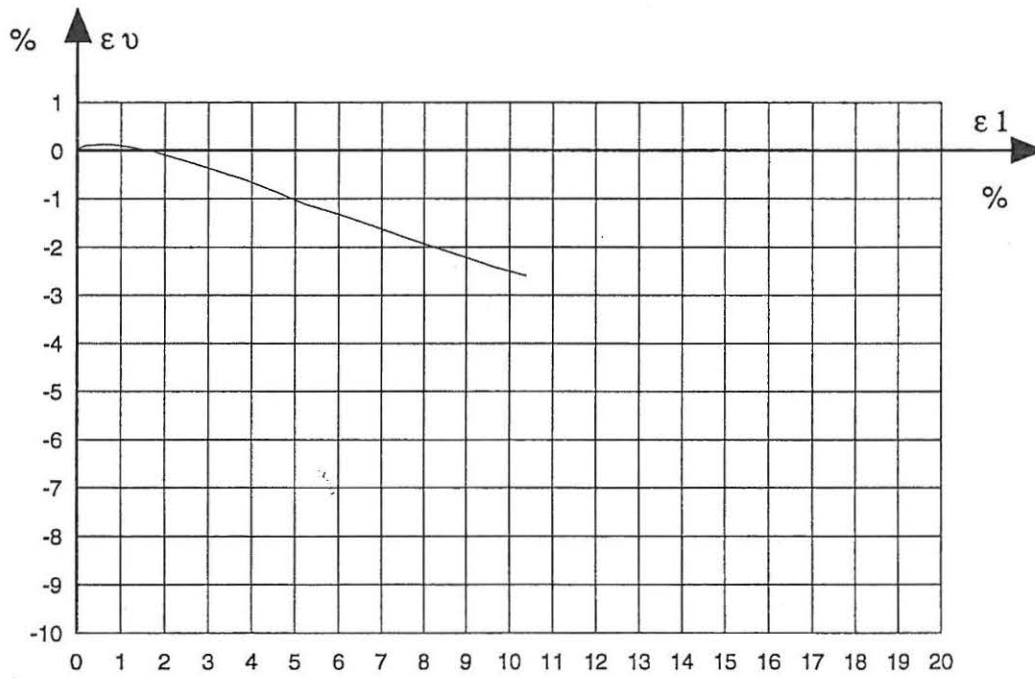
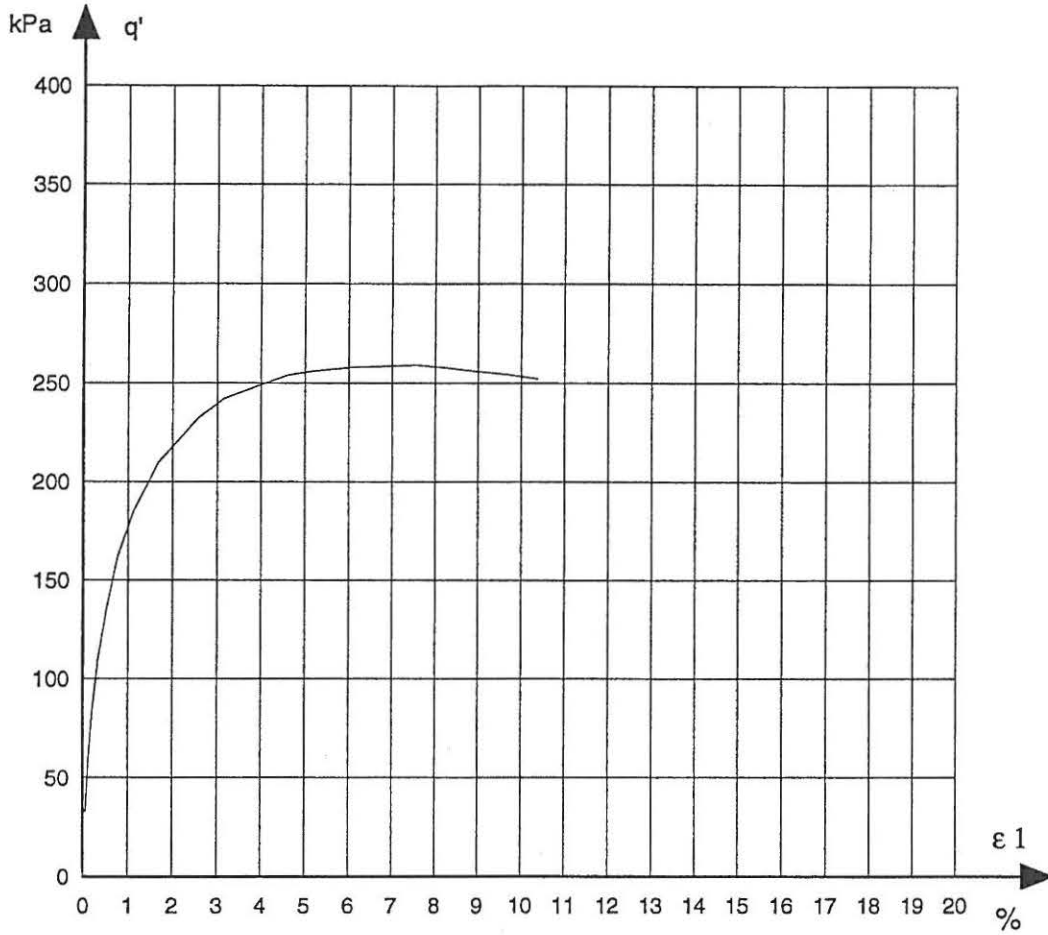
		Values at failure		Values for $\Delta\epsilon_v = 0$	
Deviator stress	q'	259.00	kPa	160.70	kPa
Mean normal stress	p'	186.33	kPa	153.57	kPa
Confining pressures	σ_3	100.00	kPa	100.00	kPa
Vertical strain	ϵ_1	7.57	%	0.75	%
Volumetric strain	ϵ_v	-1.80	%	0.13	%



q'	p'	ϵ_1	ϵ_v
33.00	111.00	0.00	0.00
32.96	110.99	0.05	0.04
58.69	119.56	0.12	0.07
84.38	128.13	0.21	0.11
109.97	136.66	0.33	0.11
135.45	145.15	0.51	0.13
160.70	153.57	0.75	0.13
185.53	161.84	1.12	0.09
209.65	169.88	1.67	0.00
232.27	177.42	2.58	-0.23
241.96	180.65	3.15	-0.40
248.00	182.67	3.87	-0.61
253.88	184.63	4.60	-0.87
256.00	185.33	5.21	-1.10
258.09	186.03	6.13	-1.35
258.46	186.15	6.88	-1.59
259.00	186.33	7.57	-1.80
257.60	185.87	8.24	-2.00
255.89	185.30	8.95	-2.20
254.41	184.80	9.66	-2.42
252.08	184.03	10.39	-2.60

Job:	Encl. No
Blokhus sand	81
Exc:	Check:
HSP	LB

Remark:

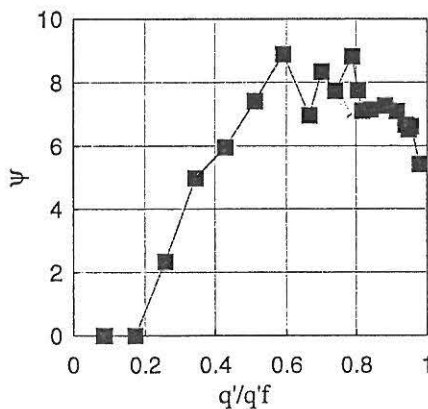
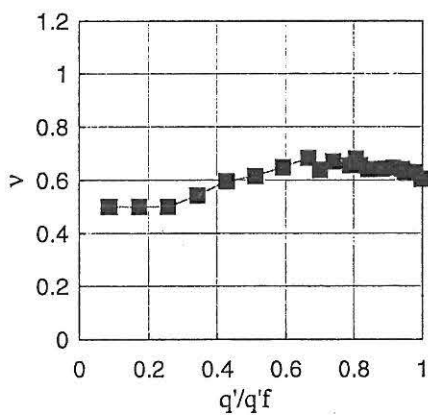


Job: Blokhus sand	Encl. No 82
Exc: HSP	Check: LB

Description of soil Blokhus sand		Water content %	Before test	At failure
		Grain density	27.3	
Calibration file	Date	Void ratio	0.774	0.838
Loadtransducer 181	05.03.74	Saturation	0.94	
		Dimension H mm	72	
		D mm	70	

TEST-PROGRAM	Drained compression.		
CD - Triaxial test. free ends	1. Isotropic compression.	σ_3	10-2.5 kPa
		ϵ_1	-0.004 %
		ϵ_v	-0.144 %
	2. Drained compression.		
	Deformation rate:		9.7 % ph

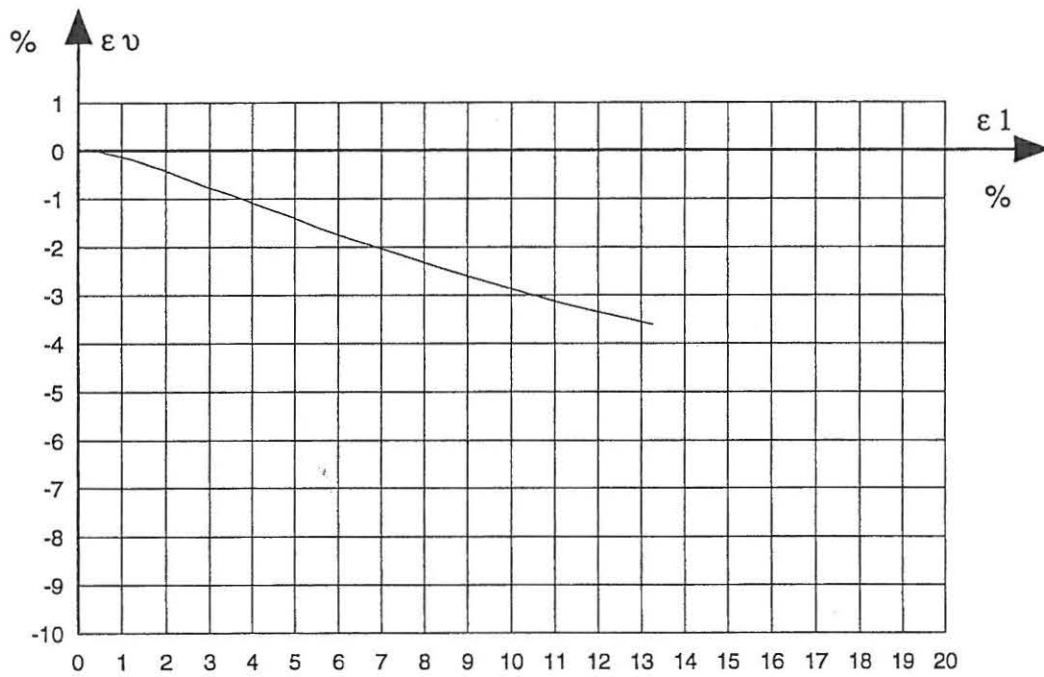
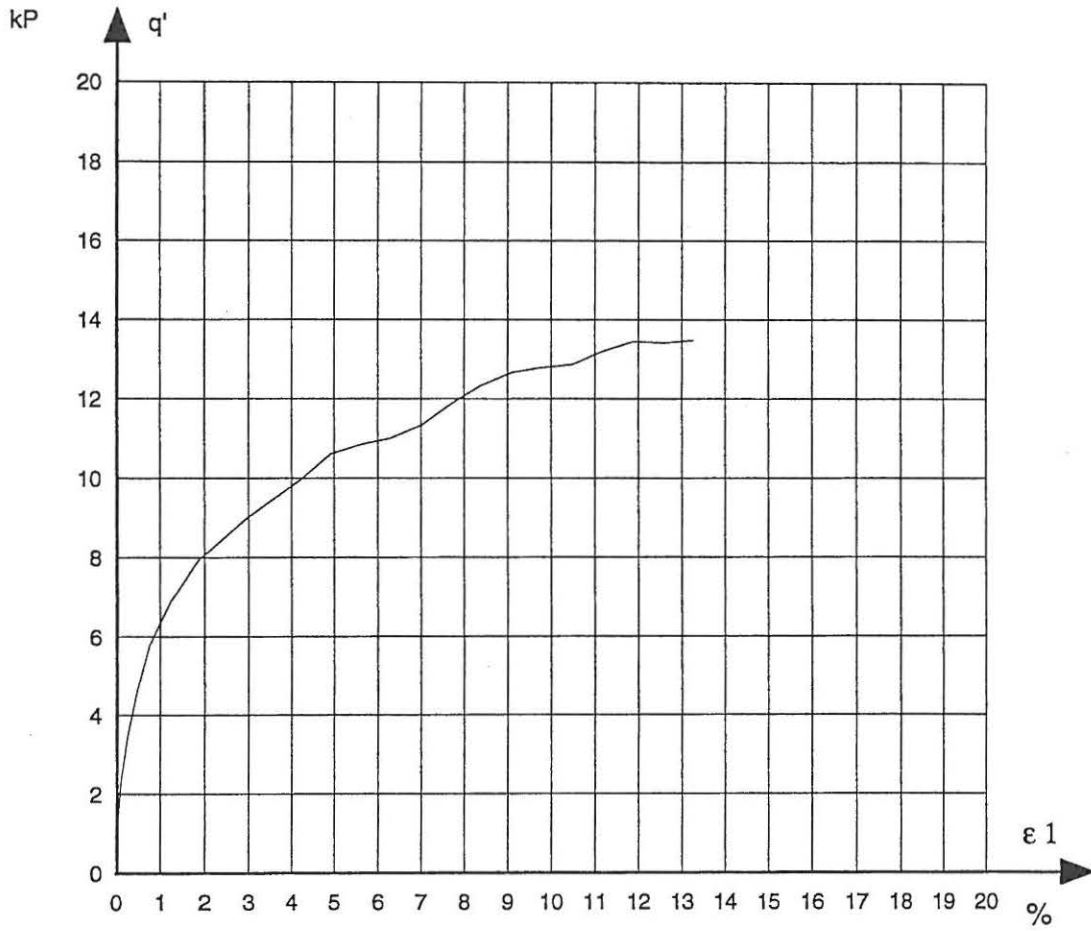
		Values at failure	Values for $\Delta\epsilon_v = 0$
Deviator stress	q'		3.48 kPa
Mean normal stress	p'		3.01 kPa
Confining pressures	σ_3		1.85 kPa
Vertical strain	ϵ_1		0.27 %
Volumetric strain	ϵ_v		0.00 %



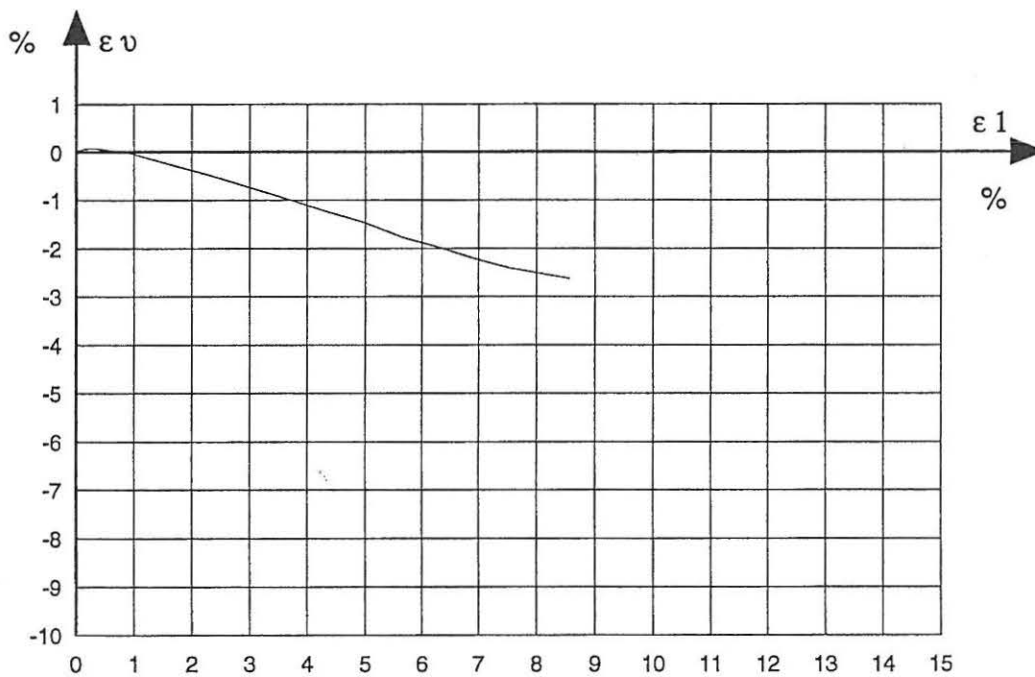
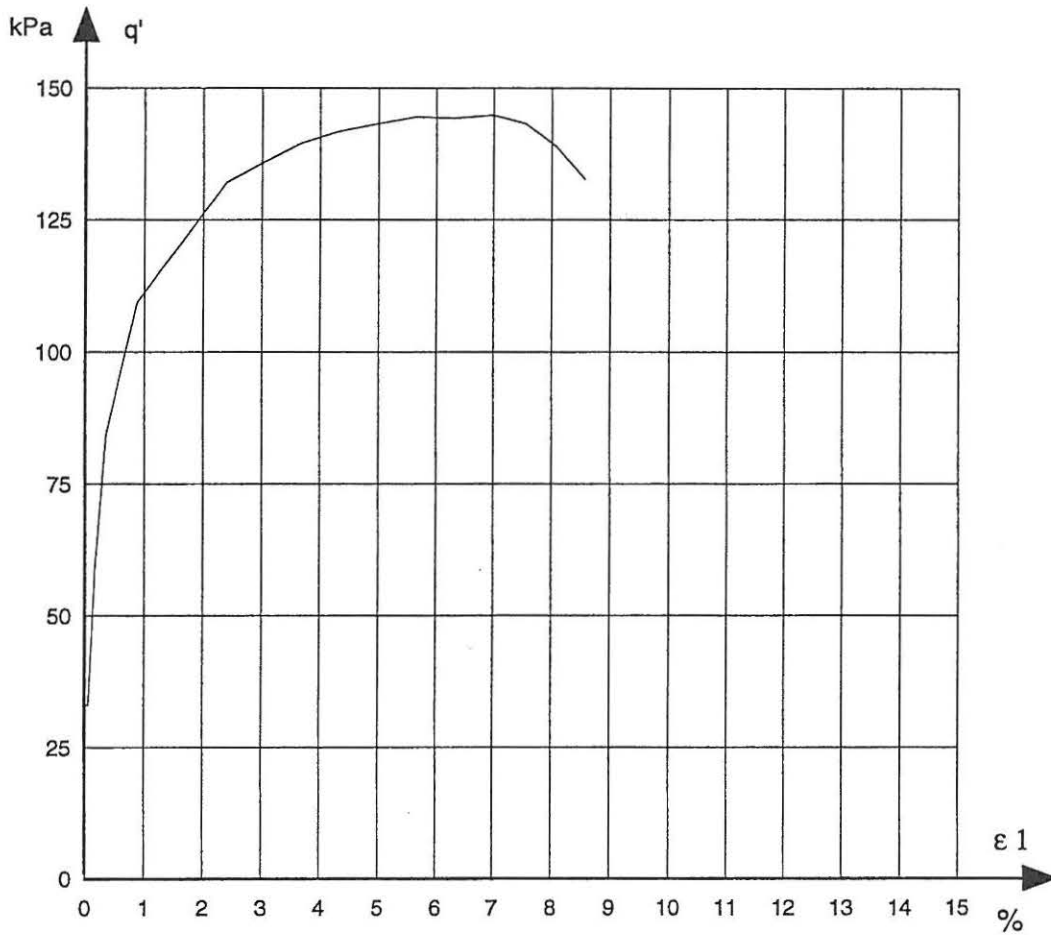
q'	p'	ϵ_1	ϵ_v
1.15	2.23	0.00	0.00
1.15	2.23	0.03	0.00
2.32	2.62	0.12	0.00
3.48	3.01	0.27	0.00
4.63	3.39	0.48	-0.02
5.77	3.77	0.77	-0.07
6.89	4.15	1.23	-0.18
7.97	4.51	1.90	-0.38
8.98	4.84	2.94	-0.76
9.44	5.00	3.53	-0.92
9.96	5.17	4.22	-1.15
10.62	5.39	4.92	-1.37
10.85	5.47	5.62	-1.62
11.02	5.52	6.31	-1.84
11.34	5.63	7.01	-2.04
11.89	5.81	7.71	-2.24
12.33	5.96	8.40	-2.44
12.66	6.07	9.10	-2.63
12.78	6.11	9.79	-2.81
12.86	6.14	10.49	-3.00
13.20	6.25	11.18	-3.18
13.44	6.33	11.88	-3.32
13.41	6.32	12.58	-3.46
13.48	6.34	13.27	-3.61

Job: Blokhus sand	Encl. No 83
Exc: HSP	Check: LB

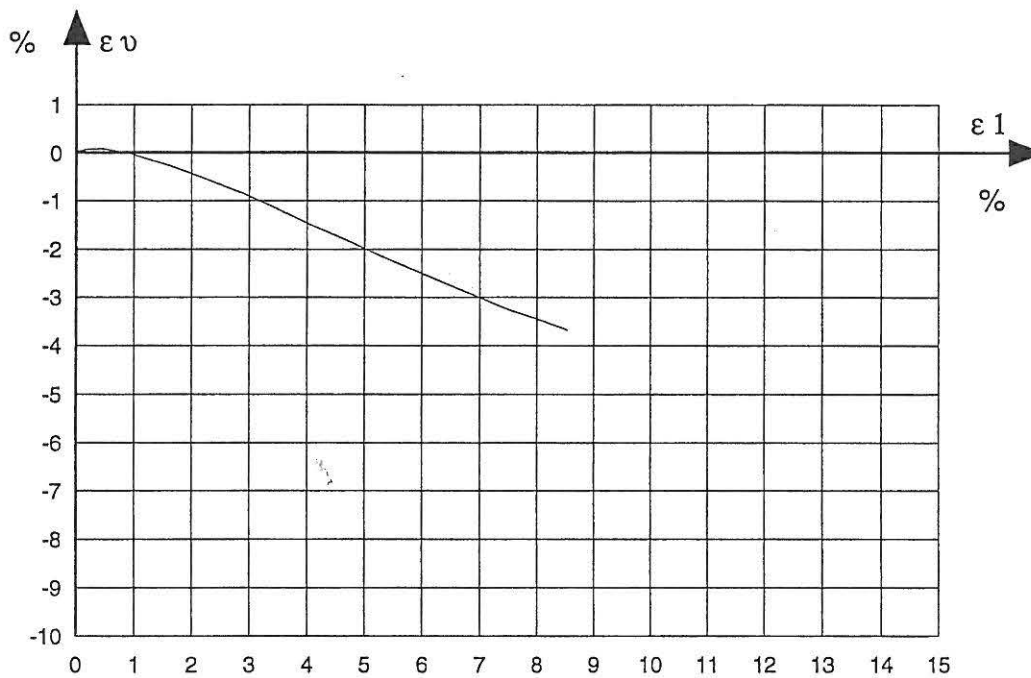
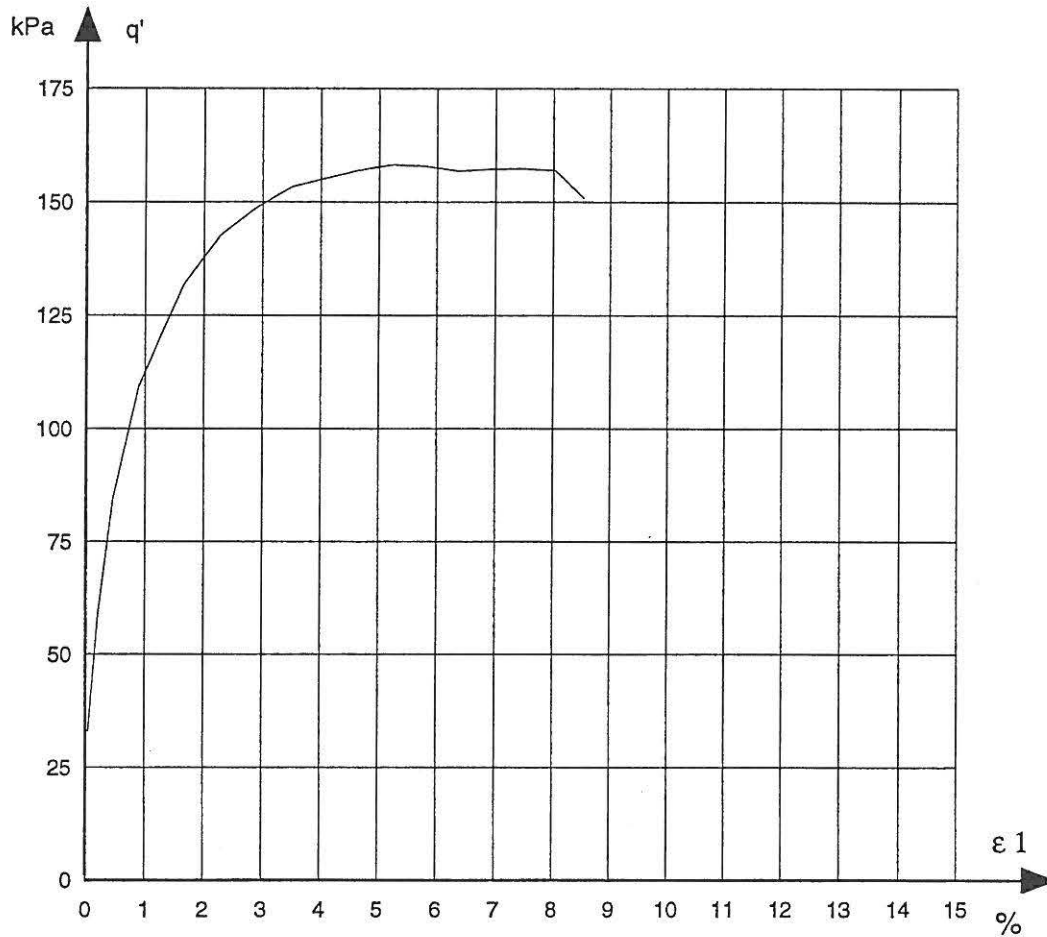
Remark: Specimen disturbed.



Job: Blokhus sand	Encl. No 84
Exc: HSP	Check: LB



Job:	Blokhuis sand	Encl. No	86
Exc:	HSP	Check:	LB

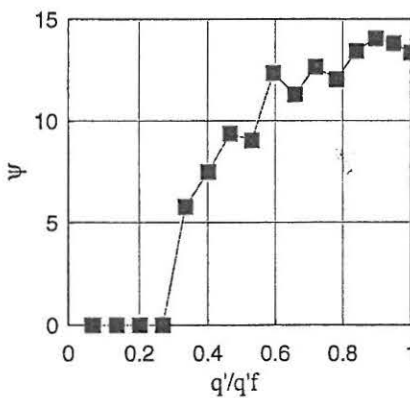
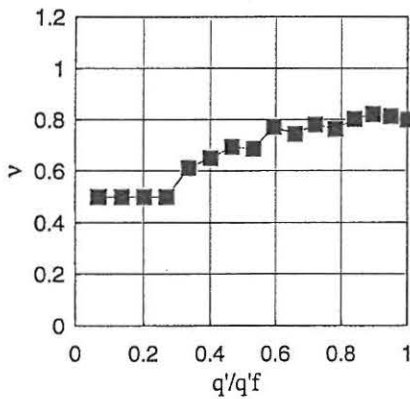


Job: Blokhus sand	Encl. No 88
Exc: HSP	Check: LB

Description of soil Blokhus sand		Water content %	Before test	At failure
		Grain density	24.2	
Calibration file	Date	Void ratio	0.681	0.721
Loadtransducer	06.03.74	Saturation	0.94	
181		Dimension H mm	72	
		D mm	70	

TEST-PROGRAM	Drained compression.		
CD - Triaxial test. free ends	1. Isotropic compression.	σ_3	10-1.85 kPa
		ϵ_1	-0.060 %
		ϵ_v	-0.090 %
	2. Drained compression.		
	Deformation rate:		9.7 % ph

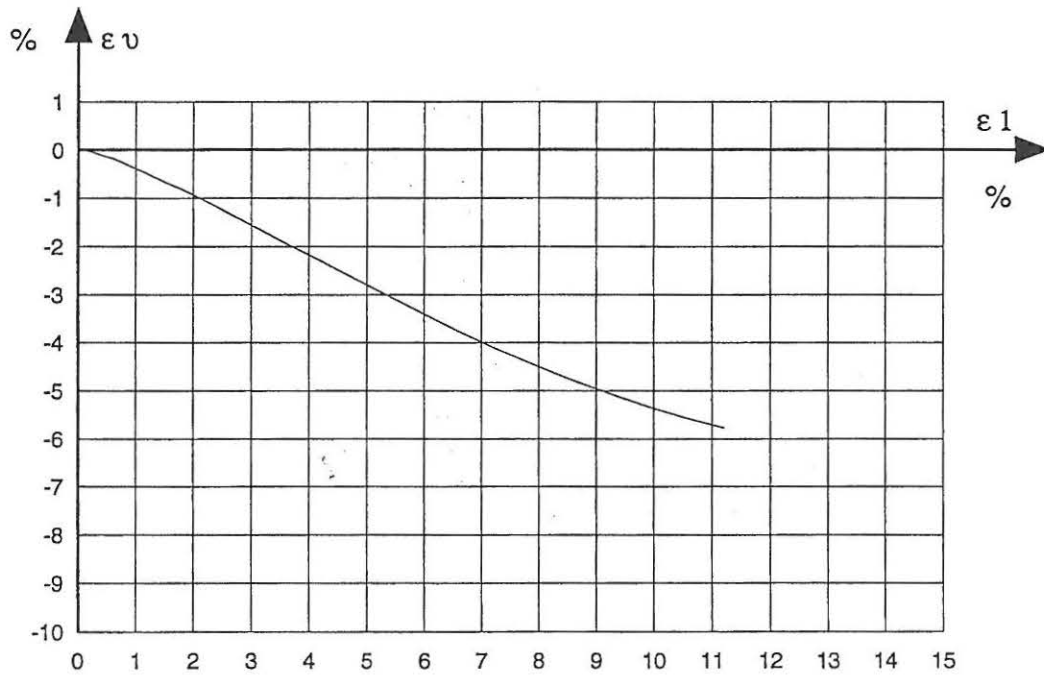
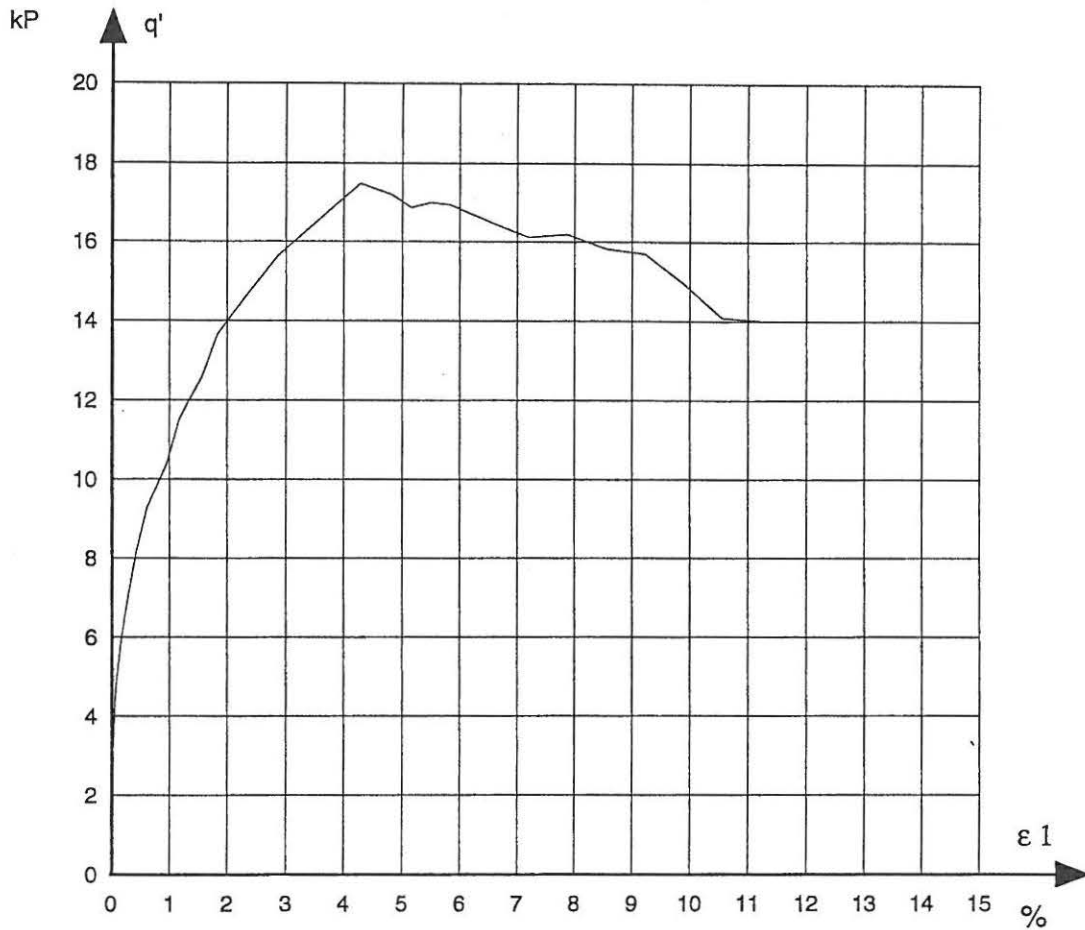
		Values at failure	Values for $\Delta\epsilon_v = 0$
Deviator stress	q'	17.48 kPa	4.68 kPa
Mean normal stress	p'	7.68 kPa	3.41 kPa
Confining pressures	σ_3	1.85 kPa	1.85 kPa
Vertical strain	ϵ_1	4.28 %	0.08 %
Volumetric strain	ϵ_v	-2.35 %	0.00 %



q'	p'	ϵ_1	ϵ_v
1.19	2.25	0.00	0.00
1.19	2.25	0.00	0.00
2.35	2.63	0.02	0.00
3.52	3.02	0.05	0.00
4.68	3.41	0.08	0.00
5.84	3.80	0.17	-0.02
7.00	4.18	0.29	-0.05
8.14	4.56	0.42	-0.11
9.28	4.94	0.62	-0.18
10.38	5.31	0.95	-0.36
11.49	5.68	1.17	-0.47
12.57	6.04	1.56	-0.69
13.65	6.40	1.83	-0.83
14.66	6.74	2.34	-1.14
15.65	7.07	2.87	-1.48
16.57	7.37	3.59	-1.93
17.48	7.68	4.28	-2.35
17.20	7.58	4.82	-2.69
16.87	7.47	5.16	-2.89
17.00	7.52	5.50	-3.10
16.51	7.35	6.52	-3.72
16.19	7.25	7.87	-4.44
15.70	7.08	9.23	-5.05
14.02	6.52	11.22	-5.77

Job:	Encl. No
Blokhus sand	89
Exc:	Check:
HSP	LB

Remark:

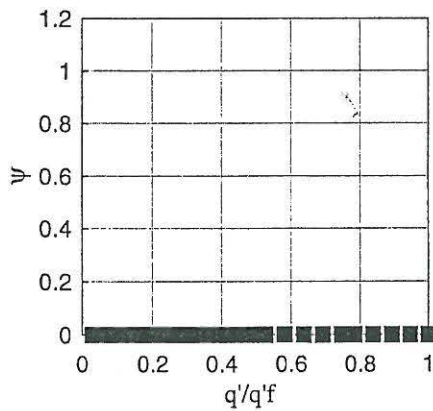
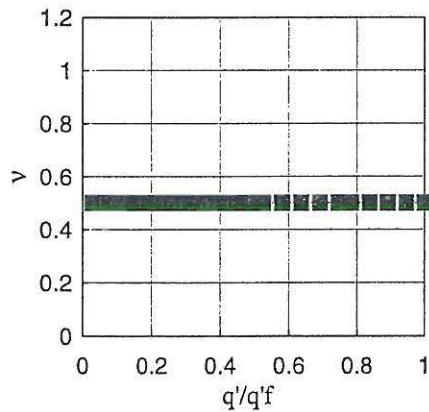


Job:	Encl. No
Blokhuis sand	90
Exc:	Check:
HSP	LB

Description of soil Blokhus sand		Water content %	25.6	Before test	At failure
		Grain density	2.65		
Calibration file	Date	Void ratio	0.744		
Loadtransducer 500-1	11.03.74	Saturation	0.911		
		Dimension H mm	72		
		D mm	70		

TEST-PROGRAM	Drained compression.		
CU - Triaxial test. free ends	1. Isotropic compression.	σ_3	20-100 kPa
		ϵ_1	0.120 %
		ϵ_v	0.040 %
	2. Undrained compression.		
	Deformation rate:		% ph

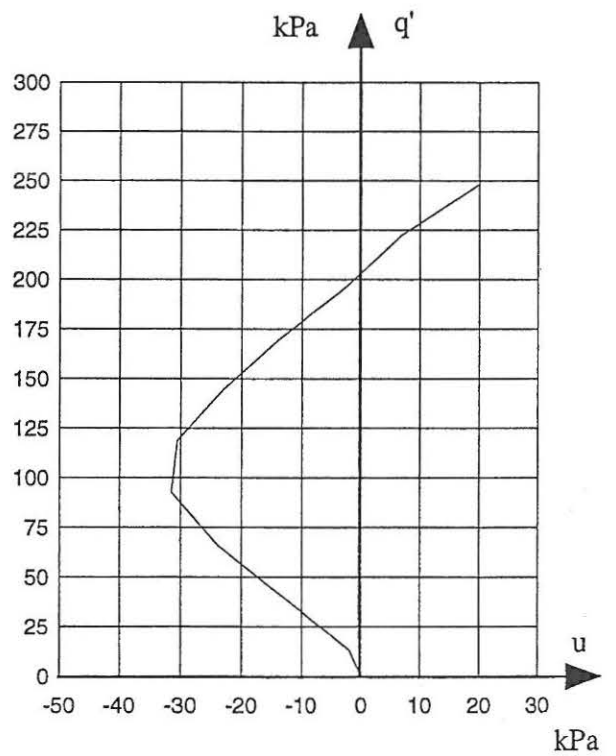
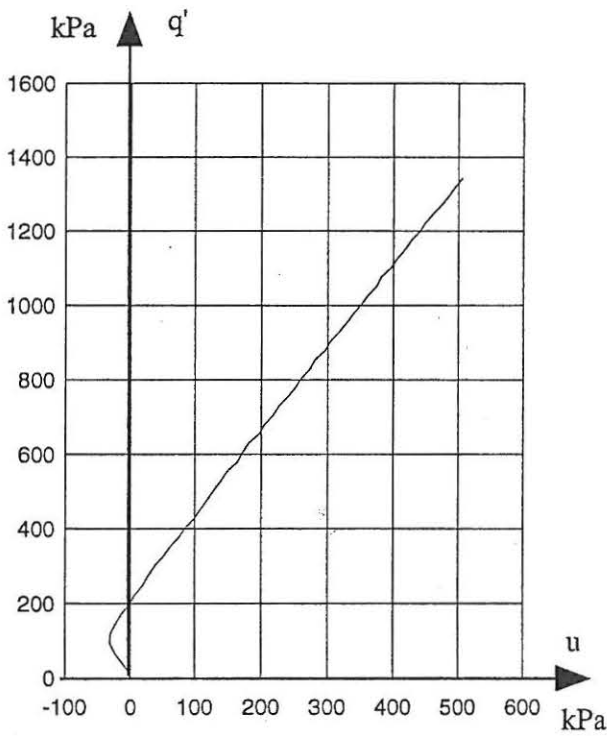
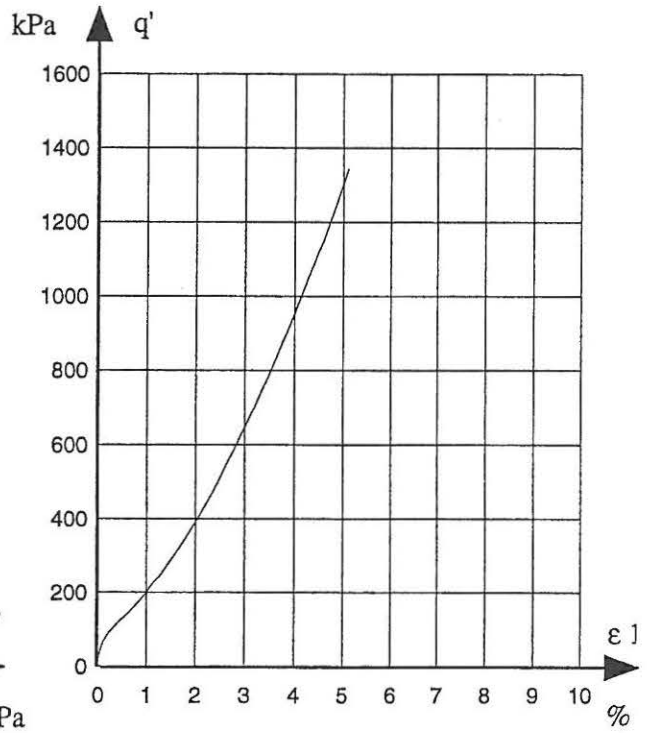
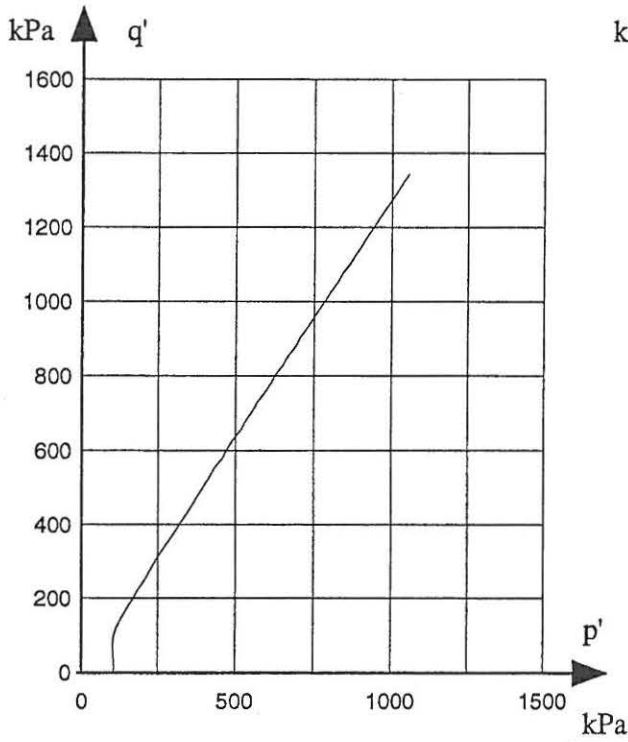
		Maximum values		Minimum values for σ_3	
Deviator stress	q'	1,343.40	kPa	92.40	kPa
Mean normal stress	p'	1,055.80	kPa	100.30	kPa
Confining pressures	σ_3	608.00	kPa	69.50	kPa
Vertical strain	ϵ_1	5.11	%	0.23	%
Volumetric strain	ϵ_v	0.00	%	0.00	%



q'	p'	ϵ_1	ϵ_v
0.00	101.00	0.00	0.00
39.68	101.23	0.04	0.00
92.40	100.30	0.23	0.00
144.63	126.21	0.63	0.00
196.52	164.01	0.98	0.00
248.13	203.71	1.30	0.00
305.95	243.98	1.60	0.00
350.74	279.91	1.82	0.00
401.75	320.42	2.05	0.00
452.60	360.87	2.27	0.00
503.28	397.76	2.47	0.00
553.84	434.61	2.65	0.00
604.21	474.40	2.84	0.00
654.34	516.11	3.03	0.00
704.40	552.80	3.20	0.00
779.24	611.75	3.45	0.00
853.74	666.58	3.70	0.00
927.99	727.33	3.92	0.00
1001.93	785.98	4.15	0.00
1051.07	825.36	4.29	0.00
1124.51	880.84	4.51	0.00
1197.67	939.22	4.72	0.00
1270.69	998.56	4.91	0.00
1343.40	1055.80	5.11	0.00

Job: Blokhus sand	Encl. No 91
Exc: HSP, AMS	Check: FRJ

Remark: Deformation rate not measured.

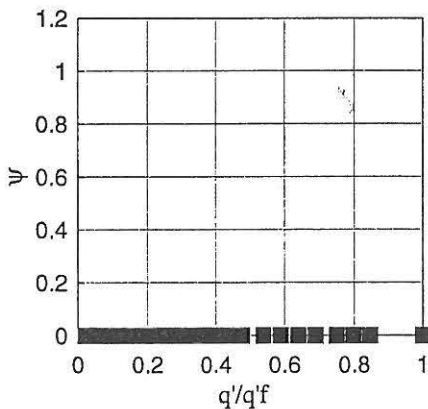
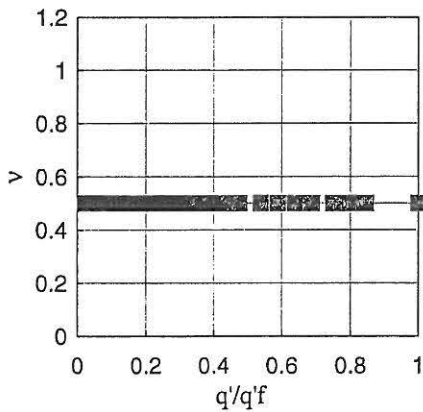


Job:	Encl. No
Blokhus sand	92
Exc:	Check:
HSP, AMS	FRJ

Description of soil Blokhus sand		Water content %	25.9	Before test	At failure
		Grain density	2.65		
Calibration file	Date	Void ratio	0.714		
Loadtransducer 1500-1	13.03.74	Saturation	0.959		
		Dimension H mm	72		
		D mm	70		

TEST-PROGRAM	Drained compression.			
CU - Triaxial test. free ends	1. Isotropic compression.	σ_3	10-50 kPa	
		ϵ_1	0.109 %	
		ϵ_v	-0.054 %	
	2. Undrained compression.			
	Deformation rate:			% ph

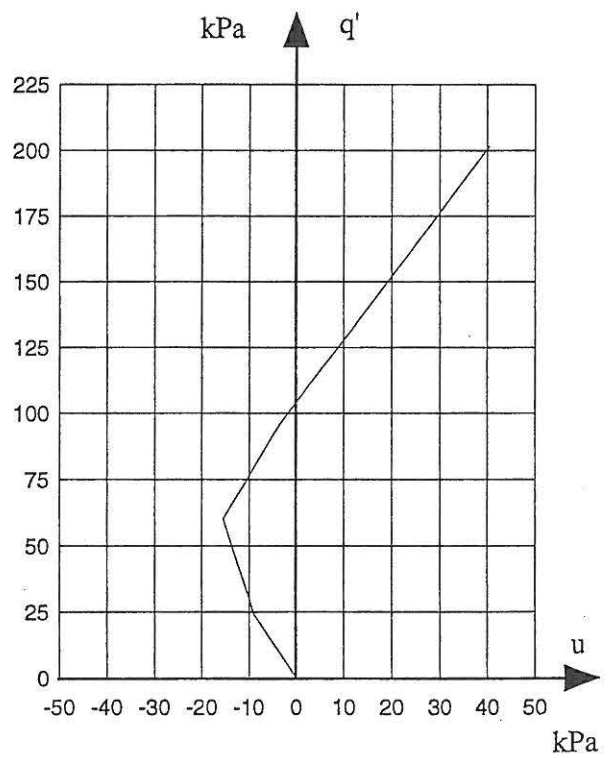
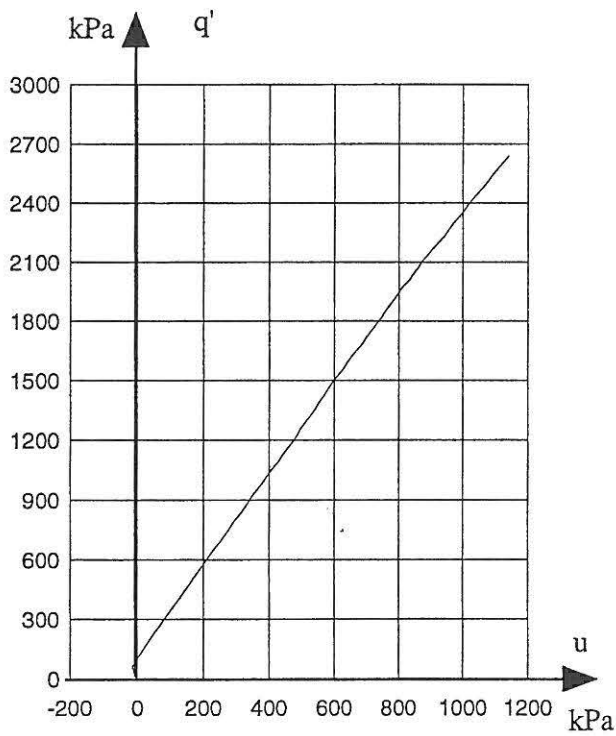
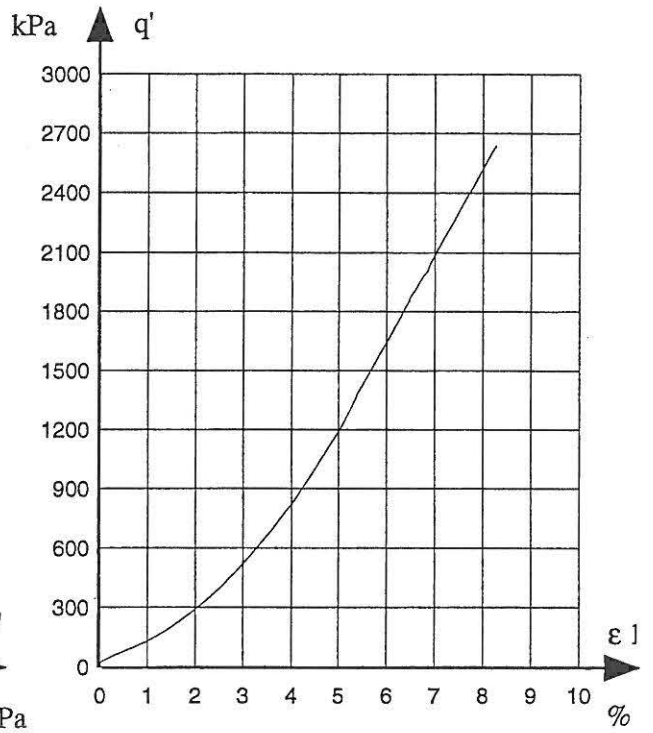
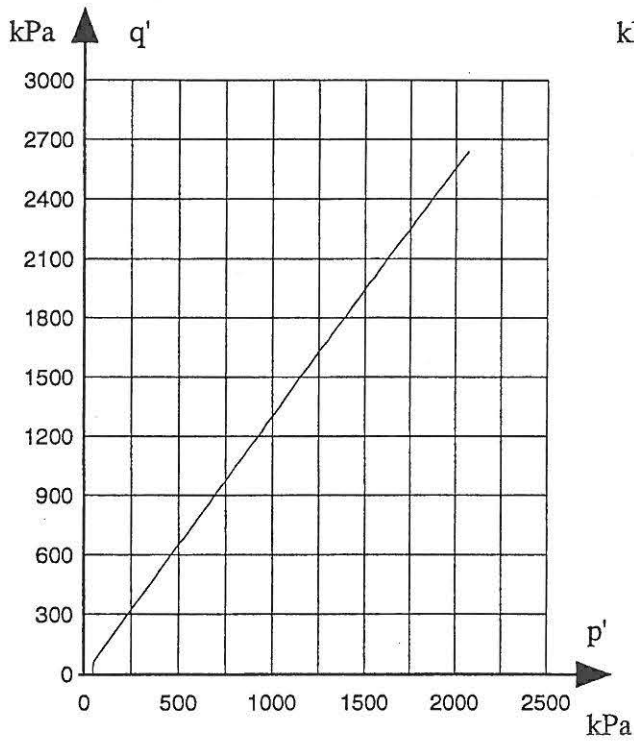
		Maximum values		Minimum values for σ_3	
Deviator stress	q'	2,639.54	kPa	60.13	kPa
Mean normal stress	p'	2,071.85	kPa	55.04	kPa
Confining pressures	σ_3	1,192.00	kPa	35.00	kPa
Vertical strain	ϵ_1	8.27	%	0.32	%
Volumetric strain	ϵ_v	0.00	%	0.00	%



q'	p'	ϵ_1	ϵ_v
0.00	50.50	0.00	0.00
60.13	55.04	0.32	0.00
131.22	105.74	1.01	0.00
201.72	158.24	1.50	0.00
271.77	211.59	1.90	0.00
341.38	263.79	2.26	0.00
410.67	316.89	2.57	0.00
479.69	369.90	2.85	0.00
548.40	421.80	3.11	0.00
651.05	499.02	3.45	0.00
753.00	581.00	3.79	0.00
854.51	658.84	4.10	0.00
955.60	735.53	4.38	0.00
1056.26	812.09	4.65	0.00
1156.36	891.45	4.91	0.00
1256.32	964.77	5.15	0.00
1422.18	1092.06	5.51	0.00
1553.89	1193.96	5.80	0.00
1684.59	1298.53	6.10	0.00
1814.75	1400.92	6.38	0.00
1976.05	1522.68	6.75	0.00
2104.36	1625.45	7.03	0.00
2231.53	1736.84	7.33	0.00
2639.54	2071.85	8.27	0.00

Job:	Encl. No
Blokhus sand	93
Exc:	Check:
HSP, AMS	FRJ

Remark:
Deformaton rate not measured.



Job:	Encl. No
Blokhus sand	94
Exc:	Check:
HSP, AMS	FRJ

