

SITE : Yoker Ferry Road, Glasgow, K436

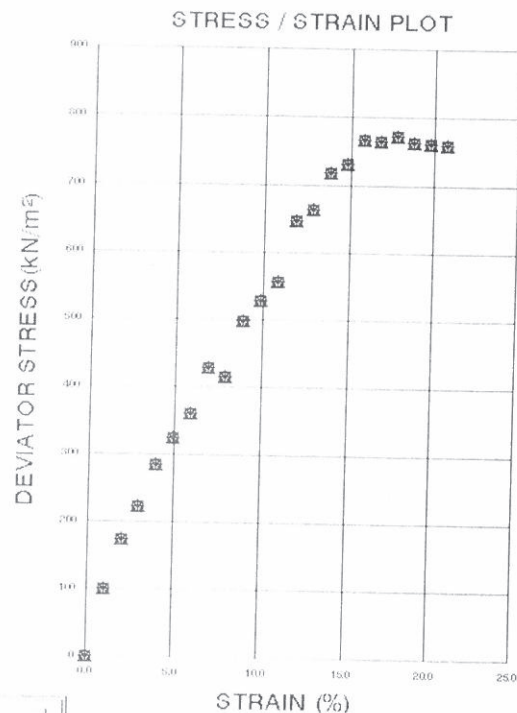
Template RS03

Job Number K-: 436  
 Exp.Point :CP4A  
 DEPTH : 9.50 m.  
 Description : Grey sandy clay

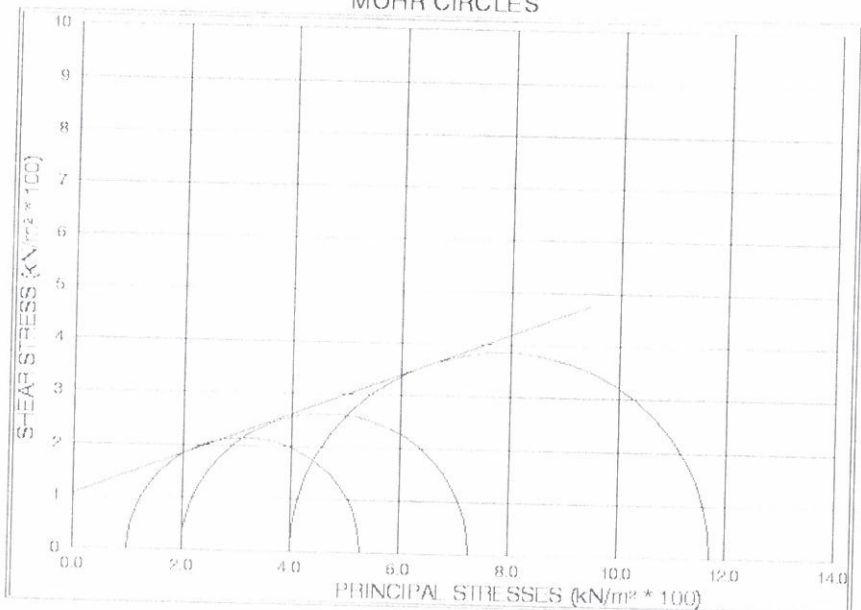
SPECIMEN/STAGE No : 1 2 3  
 CELL PRESSURES = 100 200 400 kN/m<sup>2</sup>  
 WEIGHT OF SPECIMEN = 3574 gms.  
 DIAMETER OF SPECIMEN = 102 m.m.  
 HEIGHT OF SPECIMEN = 203 m.m.  
 WT.of WET SAMPLE+TIN = 784 gms.  
 WT.of DRY SAMPLE+TIN = 693 gms.  
 WT.of TIN = 42.9 gms.  
 LOAD FACTOR = 39.1 N/Div.  
 PRESSURE ZERO = 3 7 10 Div.

SPEC./STAGE No : 1 2 3  
 WATER CONTENT = 14.0 % dry weight  
 BULK DENSITY = 2.15 Mg/m<sup>3</sup>  
 DRY DENSITY = 1.89 Mg/m<sup>3</sup>  
 CELL PRESSURES = 100 200 400 kN/m<sup>2</sup>  
 SHEAR STRENGTH = 214 263 386 kN/m<sup>2</sup>  
 STRAIN at FAILURE = 7 10 18 %  
 RATE of STRAIN = 2 2 2 %/min.  
 MEMBRANE TYPE = Standard latex - 0.5mm. thick.  
 AVERAGE SHEAR STRENGTH = 288 kN/m<sup>2</sup>  
 APPARENT COHESION = 104 kN/m<sup>2</sup>  
 ANGLE of SHR. RESISTANCE = 22 Degrees

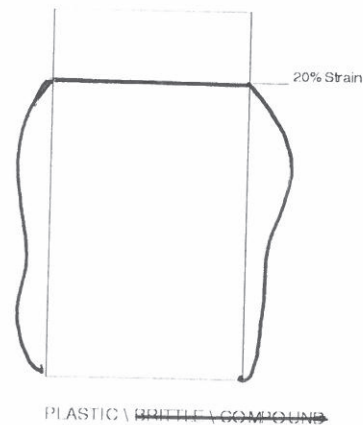
HEAD No	AREA cm <sup>2</sup>	STRAIN %	STRAIN mm	PROVING RING DIA Divs.	APPLIED LOAD KN	DEVIATOR STRESS kN/m <sup>2</sup>
	81.71					
1	82.53	1.0	2	24	0.82	100
2	83.36	2.0	4	40	1.45	174
3	84.20	3.0	6	51	1.88	223
4	85.07	3.9	8	65	2.43	285
5	85.95	4.9	10	74	2.78	323
6	86.85	5.9	12	83	3.13	361
7	87.77	6.9	14	99	3.76	428
8	88.70	7.9	16	101	3.68	415
9	89.66	8.9	18	121	4.46	498
10	90.64	9.9	20	129	4.78	527
11	91.64	10.8	22	140	5.09	555
12	92.67	11.8	24	163	5.99	646
13	93.72	12.8	26	169	6.22	664
14	94.79	13.8	28	184	6.81	718
15	95.88	14.8	30	189	7.01	731
16	97.00	15.8	32	200	7.44	767
17	98.15	16.7	34	202	7.51	766
18	99.33	17.7	36	206	7.67	772
19	100.53	18.7	38	206	7.67	763
20	101.77	19.7	40	208	7.75	762
21	103.03	20.7	42	210	7.83	760



MOHR CIRCLES



FAILURE



COMMENTS:  
 Prepared by : Vertical Extrusion Remoulding  
 102mm Diameter Multi-stage test - (one specimen)

Aiken Laboratories Ltd, Castlehill House, Bank St, Southampton, F.K.1 2EJZ

Print Date: 16/09/2013

Originator

OA

Checked &

OA

Approved

**QUICK UNDRAINED TRIAXIAL COMPRESSION TEST**  
 in accordance with  
 B.S.1377:Part 7:1990 clauses 8 and 9  
 Yoker Ferry Road, Glasgow, K436

**Aiken  
 Laboratories  
 Limited**