UNDRAINED TRIAXIAL COMPRESSION TEST RESULTS

AECOM

Project Name:	TVA Kingston Dam RC Analysis
Project No.:	60095742
Client:	Tennessee Valley Authority
Location:	Kingston, TN

Test ID:	1
Soil Boring:	200-Series
Sample No.	N/A
Soil Type:	Gray Fly Ash
USCS:	ML
Specific Gravity	2.33
Sample Type:	Reconstituted
Preparation:	Moist Tamp
Type of Test:	CIU-TXC

STAGE

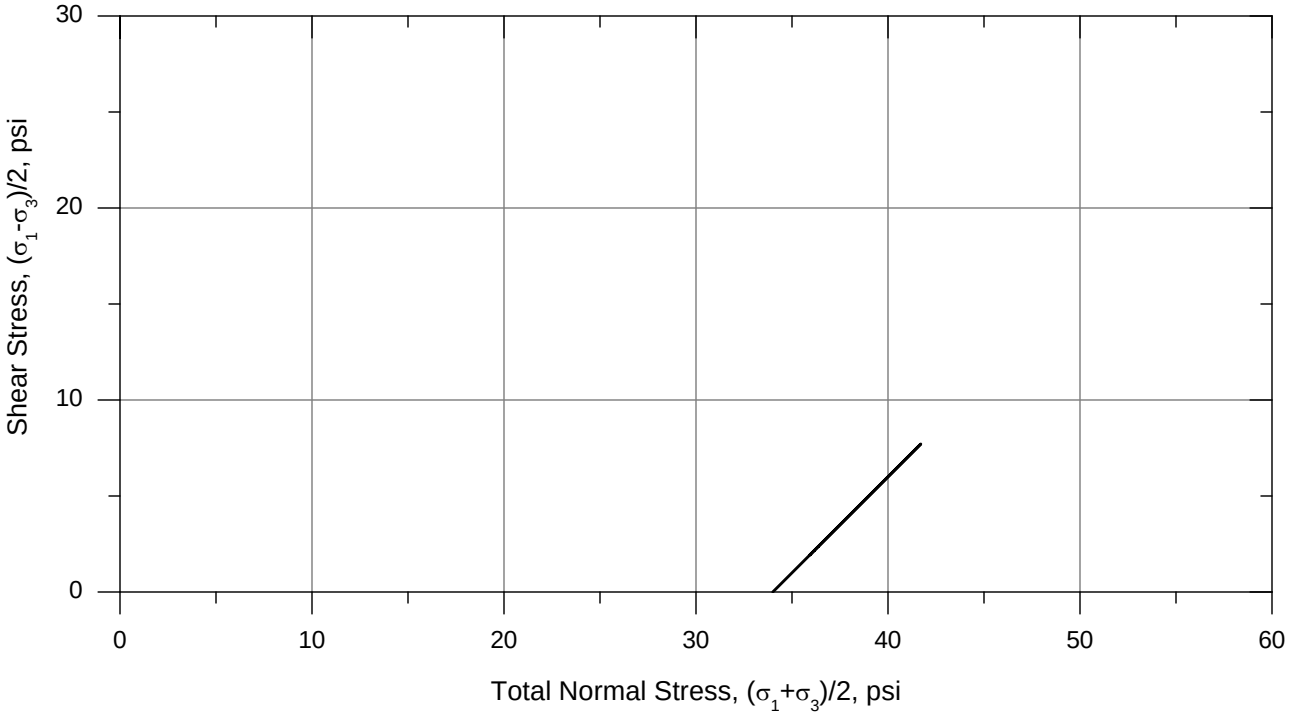
SATURATION	B (Skempton) value:	0.91
	Back Pressure, psi:	70.0
CONSOLIDATION	Type:	Isotropic
SHEAR	Type:	CIU-TXC
	Strain rate, %/min:	0.072
	Max. Mobilized Friction Angle, deg:	24.8
	Max. Deviator Stress, psi:	15.4

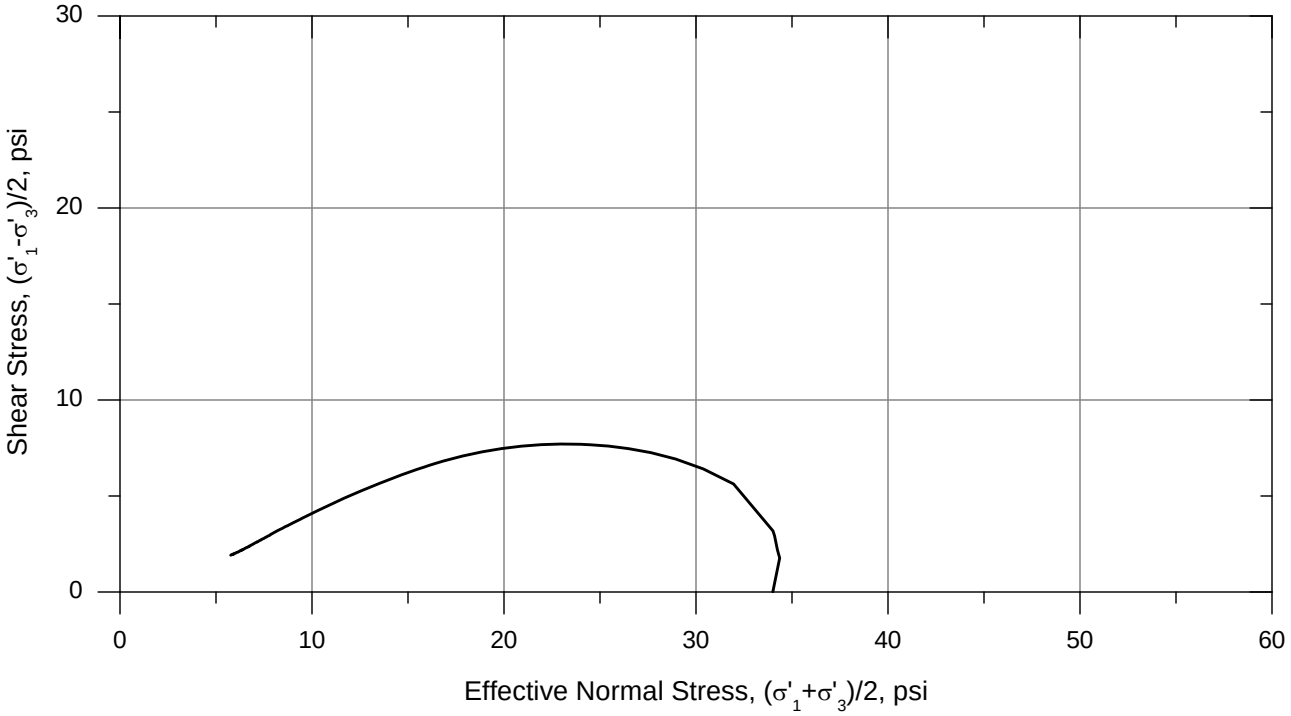
RESULTS

		CONSOLIDATION		SHEAR			
	INITIAL	INITIAL	FINAL	INITIAL	AT MAX STRESS RATIO	AT MAX DEVIATOR STRESS	FINAL
Height, mm:	155.0	148.2	146.5	146.5	138.8	144.7	104.3
Diameter, mm:	67.8	69.2	68.4	68.4	70.2	68.8	78.3
Axial Strain, %:		0.0	1.1	0.0	5.3	1.3	28.8
Volumetric Strain, %:		0.0	3.3	0.0	0.0	0.0	0.0
Deviator Stress, psi:		0.0	0.0	0.0	10.4	15.4	3.8
Vertical Effective Stress, psi:		2.0	34.0	34.0	17.6	30.7	7.7
Horizontal Effective Stress, psi:		2.0	34.0	34.0	7.2	15.2	3.9
Void Ratio:		0.87	0.81	0.81	0.81	0.81	0.81
Water Content, %:		37.3	34.7	34.7	34.7	34.7	34.7
Saturation, %:		100	100	100	100	100	100
Unit Weight, pcf:		106.8	108.3	108.3	108.3	108.3	108.3
Dry Unit Weight, pcf:		77.8	80.4	80.4	80.4	80.4	80.4

TRIAXIAL TEST RESULTS

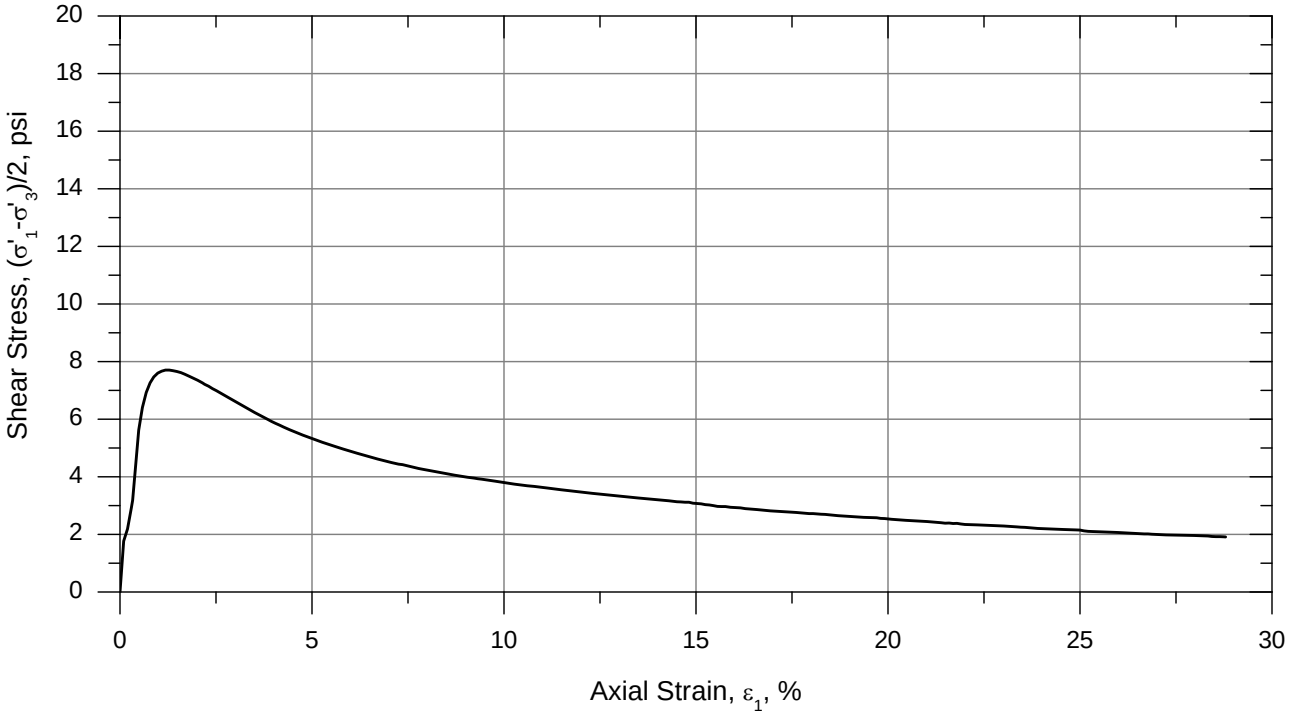
BORING ID: 200-Series
TEST ID: 1

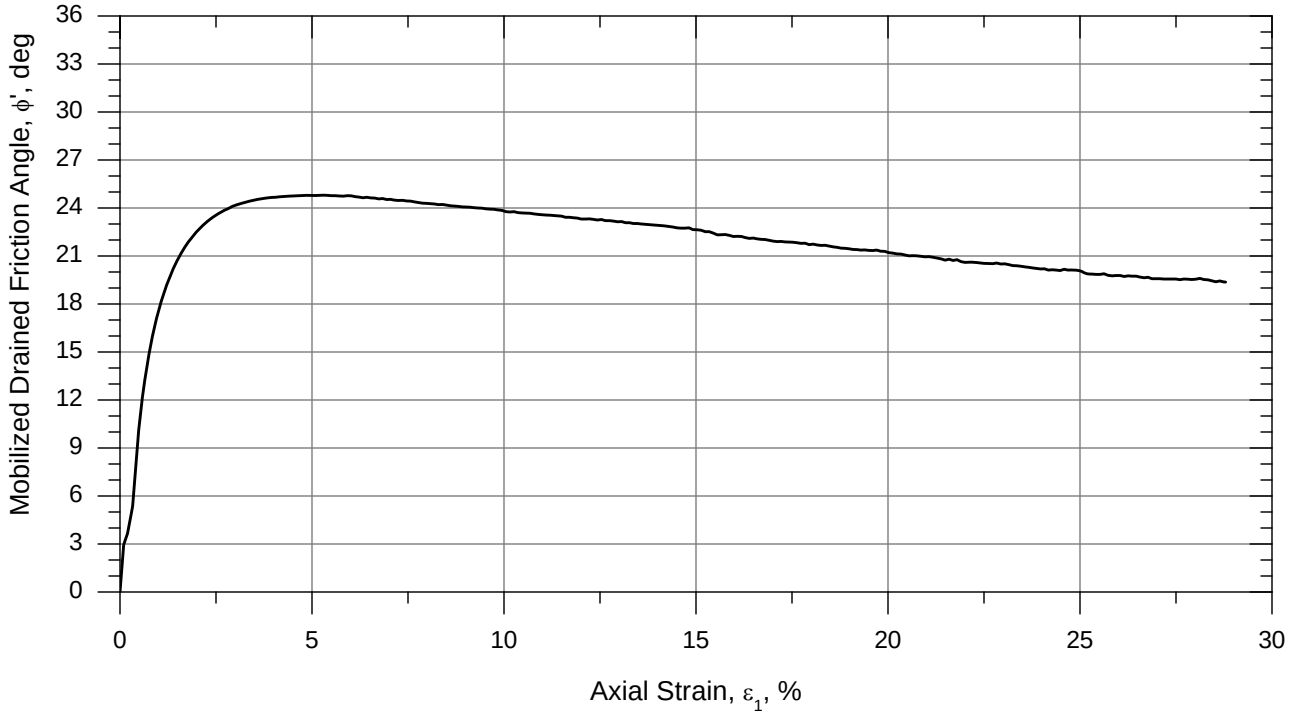




TRIAXIAL TEST RESULTS

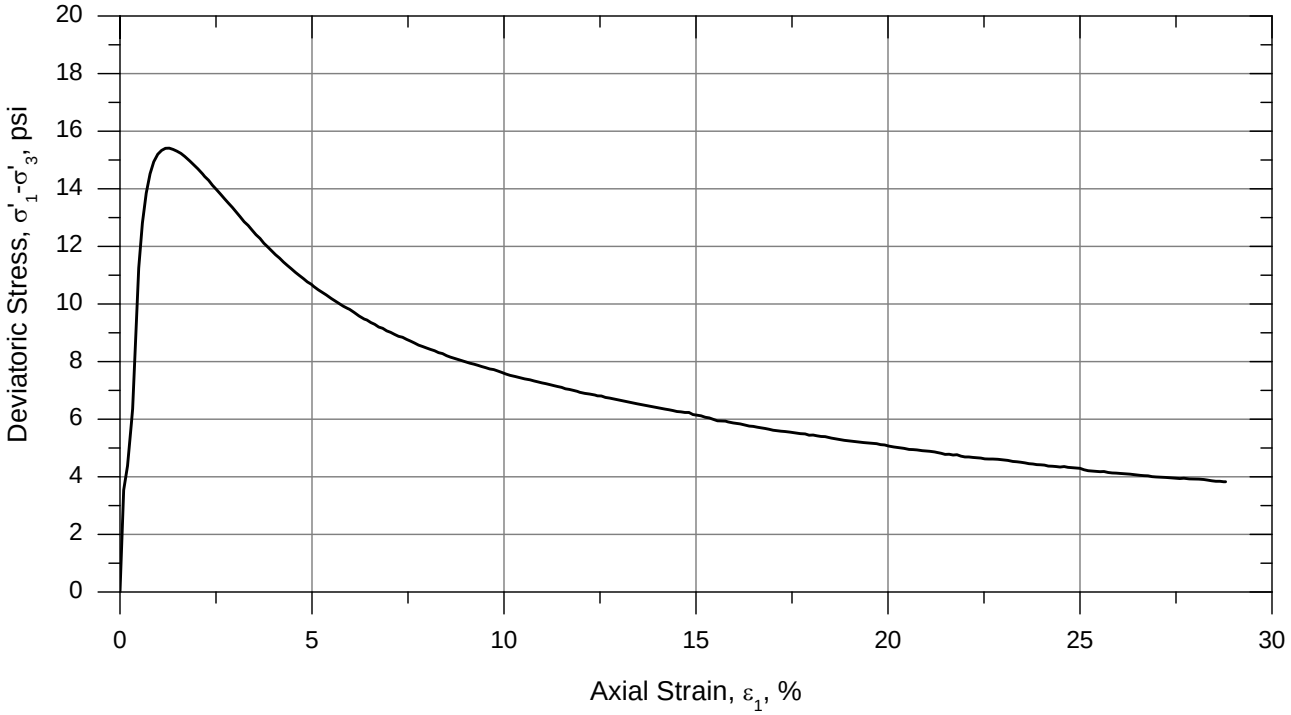
BORING ID: 200-Series
TEST ID: 1

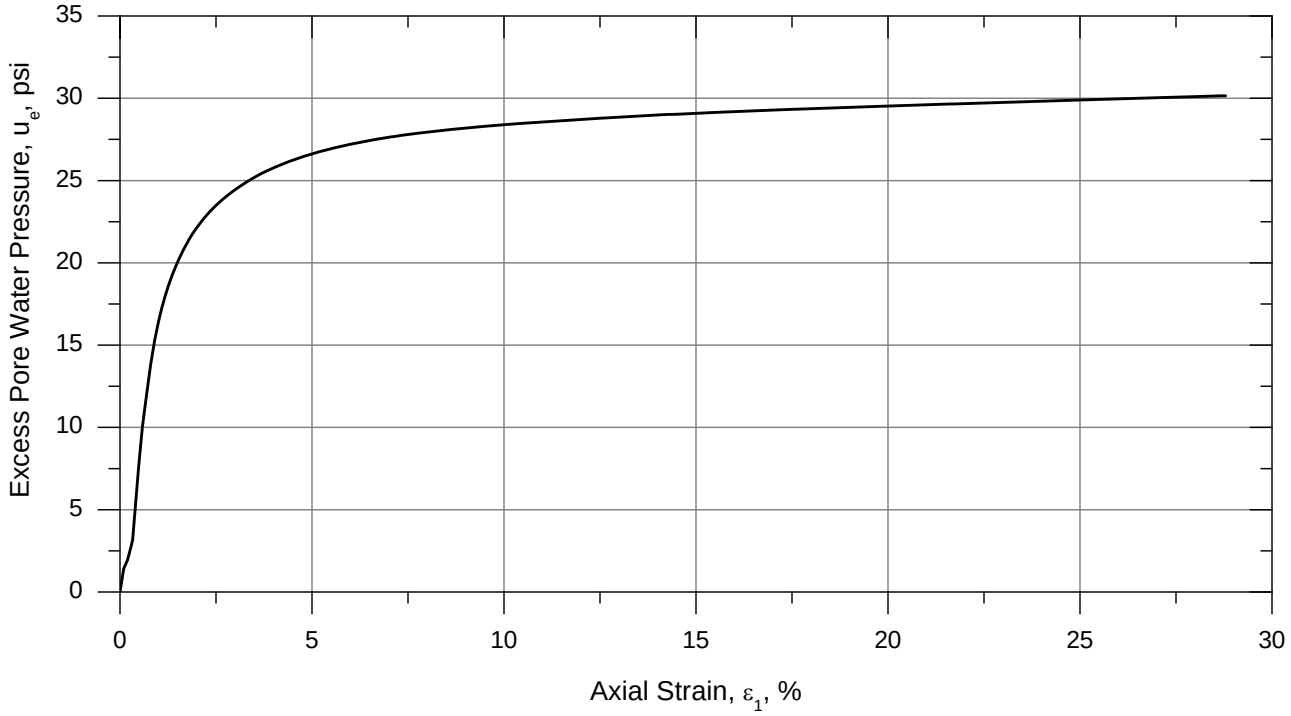




TRIAXIAL TEST RESULTS

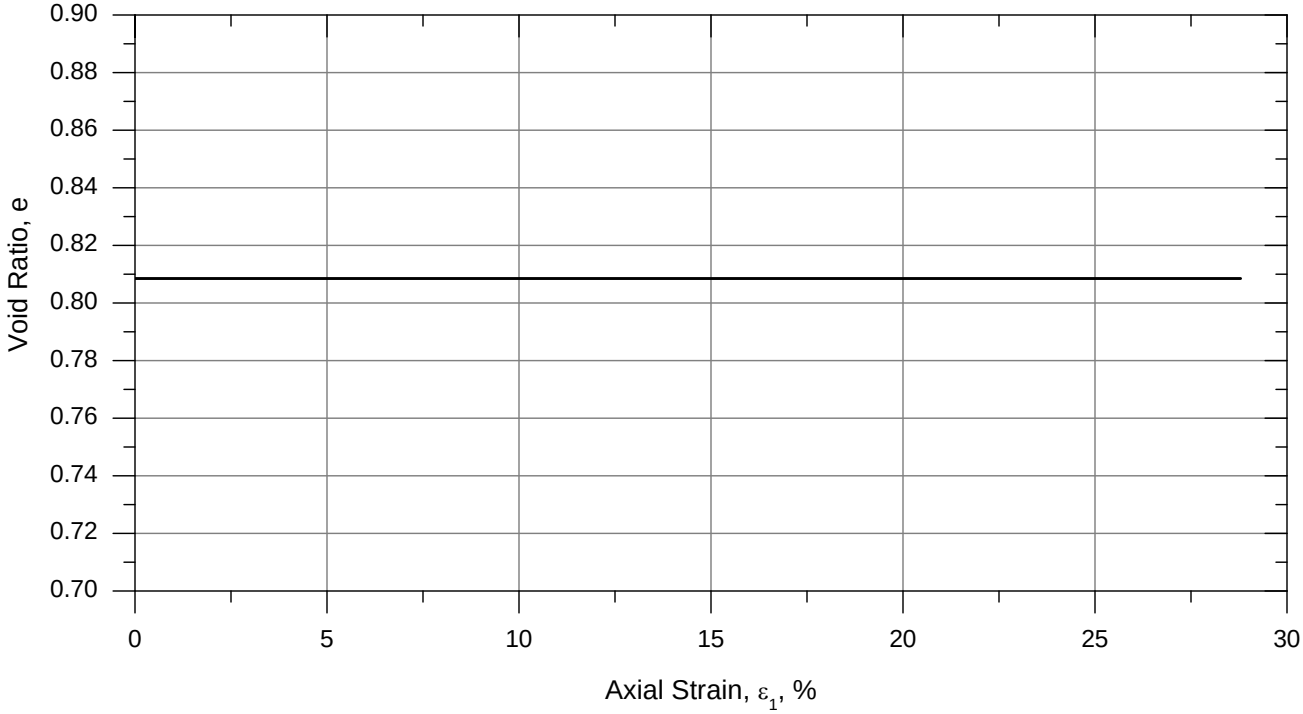
BORING ID: 200-Series
TEST ID: 1

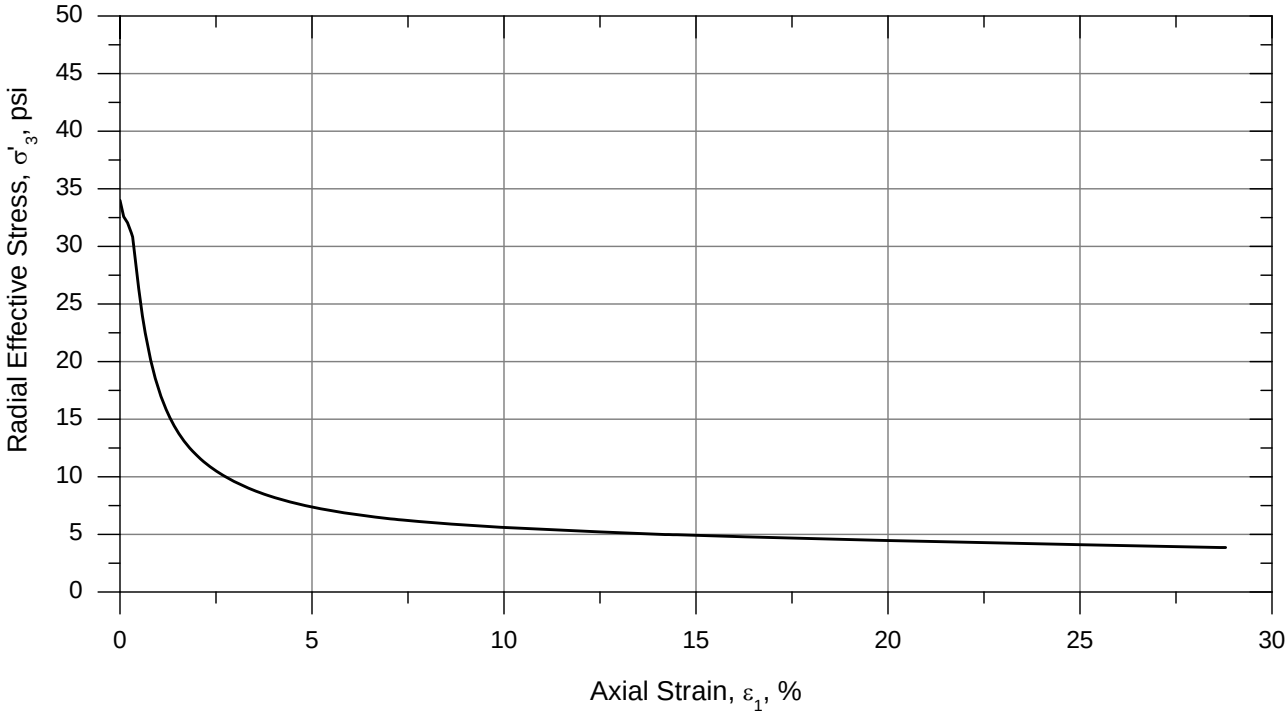




TRIAXIAL TEST RESULTS

BORING ID: 200-Series
TEST ID: 1





UNDRAINED TRIAXIAL COMPRESSION TEST RESULTS

AECOM

Project Name: TVA Kingston Dam RC Analysis
Project No.: 60095742
Client: Tennessee Valley Authority
Location: Kingston, TN

Test ID: 2
Soil Boring: 200-Series
Sample No. N/A
Soil Type: Gray Fly Ash
USCS: ML
Specific Gravity 2.33
Sample Type: Reconstituted
Preparation: Moist Tamp
Type of Test: CIU-TXC

STAGE

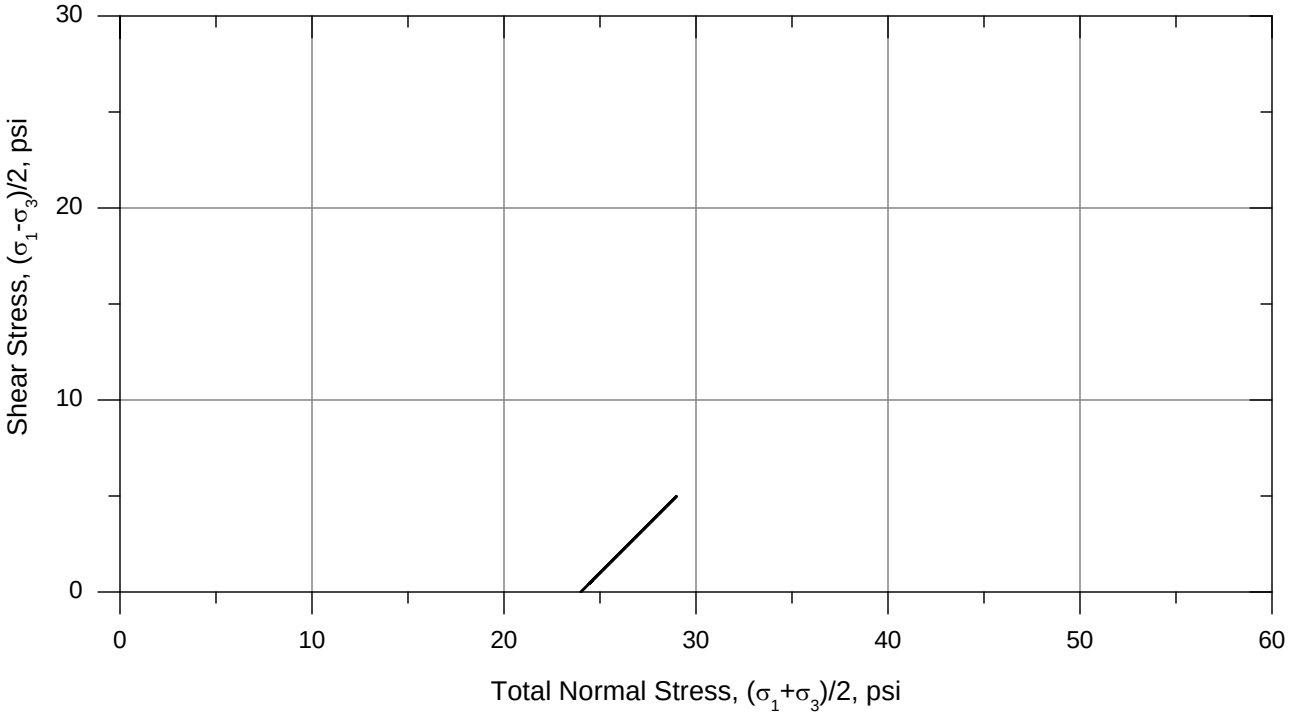
SATURATION	B (Skempton) value:	0.96
	Back Pressure, psi:	106.0
CONSOLIDATION	Type:	Isotropic
SHEAR	Type:	CIU-TXC
	Strain rate, %/min:	0.023
	Max. Mobilized Friction Angle, deg:	24.5
	Max. Deviator Stress, psi:	10.0

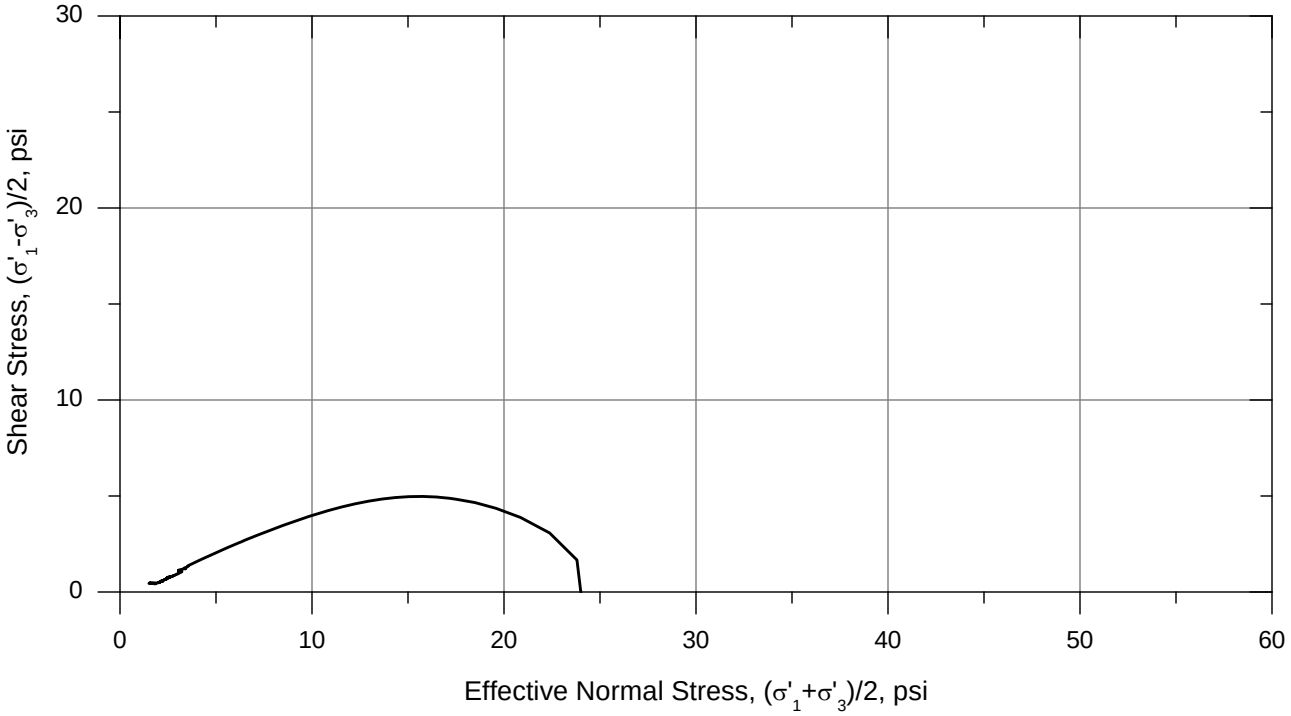
RESULTS

		CONSOLIDATION		SHEAR			
	INITIAL	INITIAL	FINAL	INITIAL	AT MAX STRESS RATIO	AT MAX DEVIATOR STRESS	FINAL
Height, mm:	150.8	141.8	140.5	140.5	134.9	139.2	103.6
Diameter, mm:	70.2	69.9	69.3	69.3	70.7	69.6	78.4
Axial Strain, %:		0.0	0.9	0.0	4.0	1.0	26.3
Volumetric Strain, %:		0.0	2.7	0.0	0.0	0.0	0.0
Deviator Stress, psi:		0.0	0.0	0.0	5.7	10.0	0.9
Vertical Effective Stress, psi:		4.0	24.0	24.0	9.7	20.4	2.3
Horizontal Effective Stress, psi:		4.0	24.0	24.0	4.0	10.4	1.4
Void Ratio:		1.03	0.97	0.97	0.97	0.97	0.97
Water Content, %:		44.0	41.7	41.7	41.7	41.7	41.7
Saturation, %:		100	100	100	100	100	100
Unit Weight, pcf:		103.4	104.5	104.5	104.5	104.5	104.5
Dry Unit Weight, pcf:		71.8	73.8	73.8	73.8	73.8	73.8

TRIAXIAL TEST RESULTS

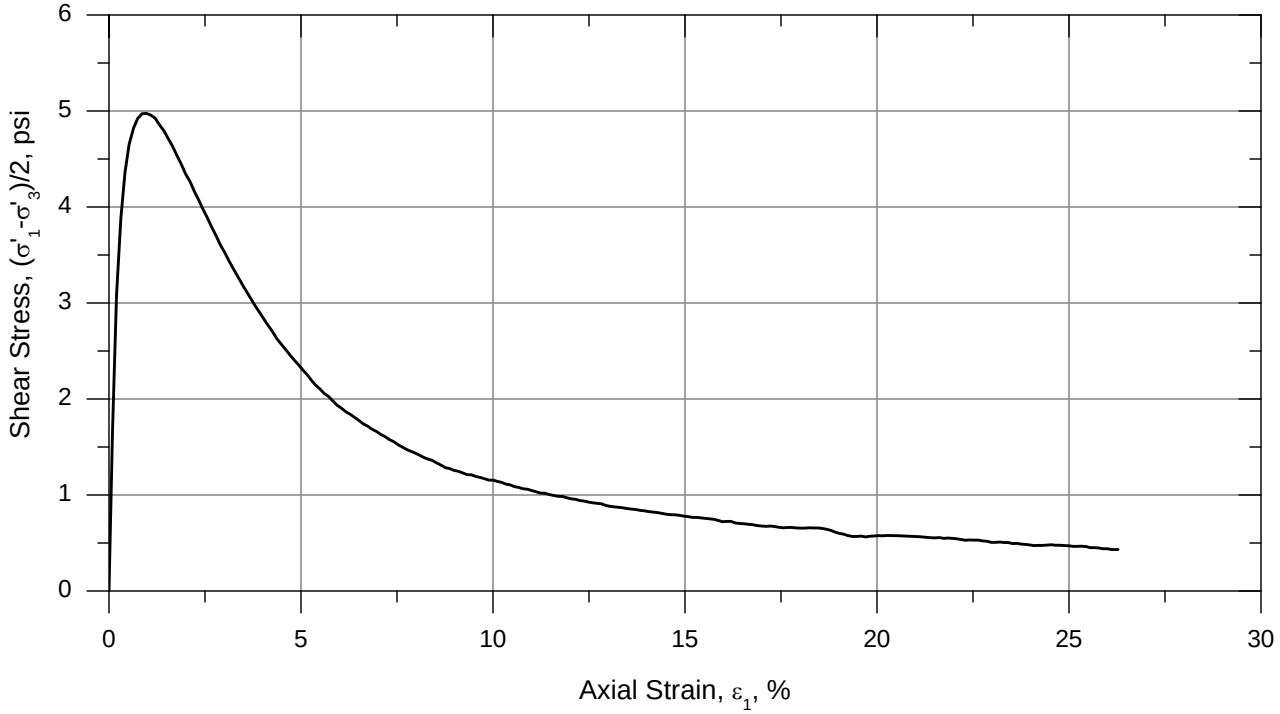
BORING ID: 200-Series
TEST ID: 2

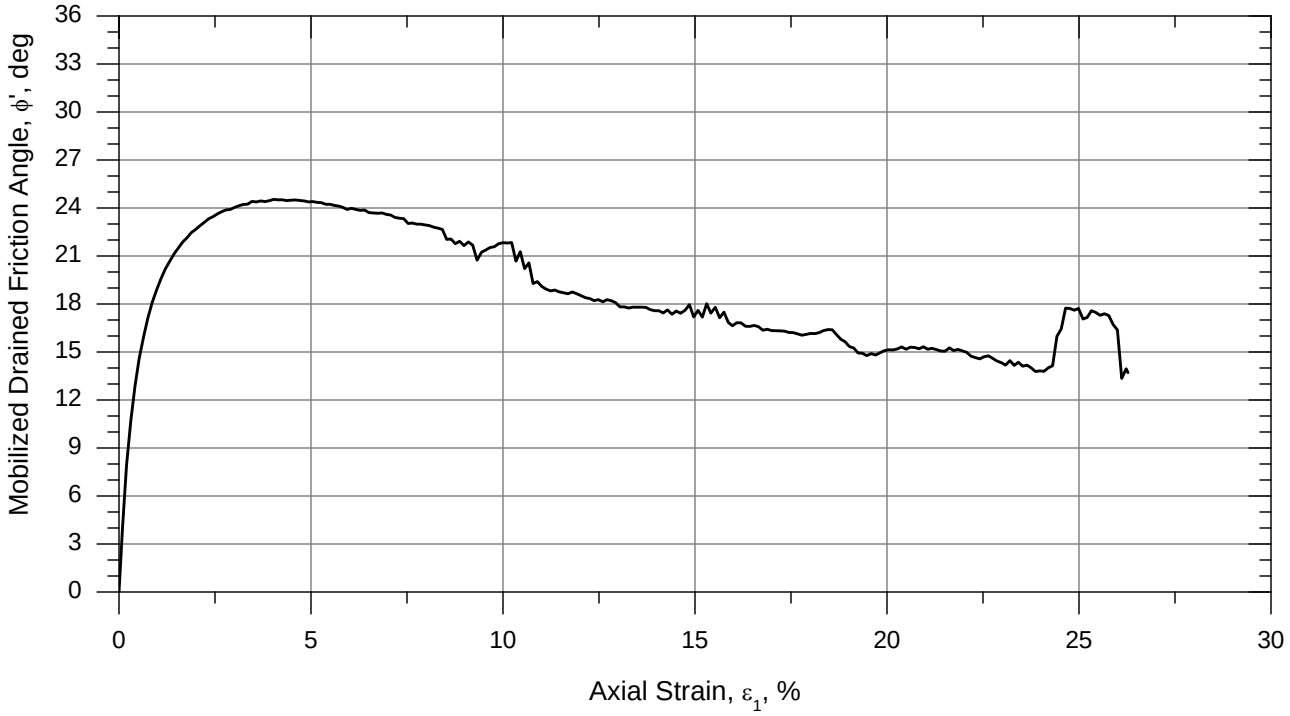




TRIAXIAL TEST RESULTS

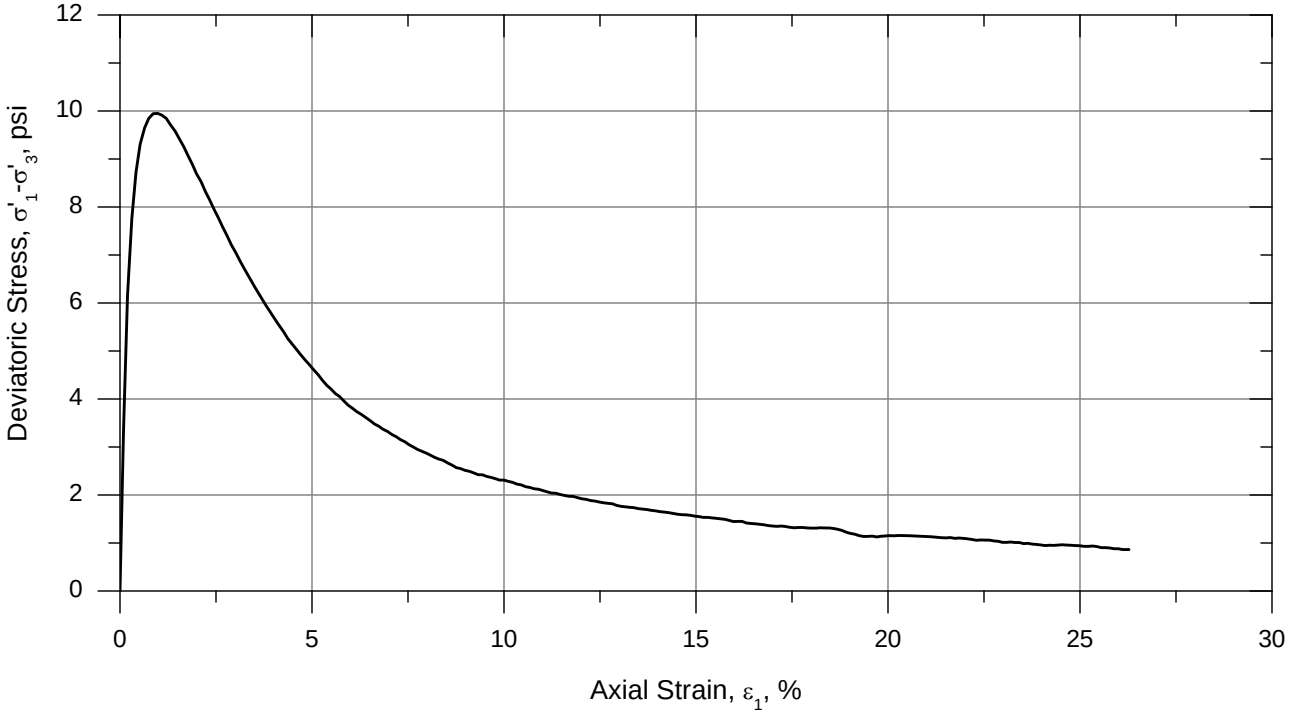
BORING ID: 200-Series
TEST ID: 2

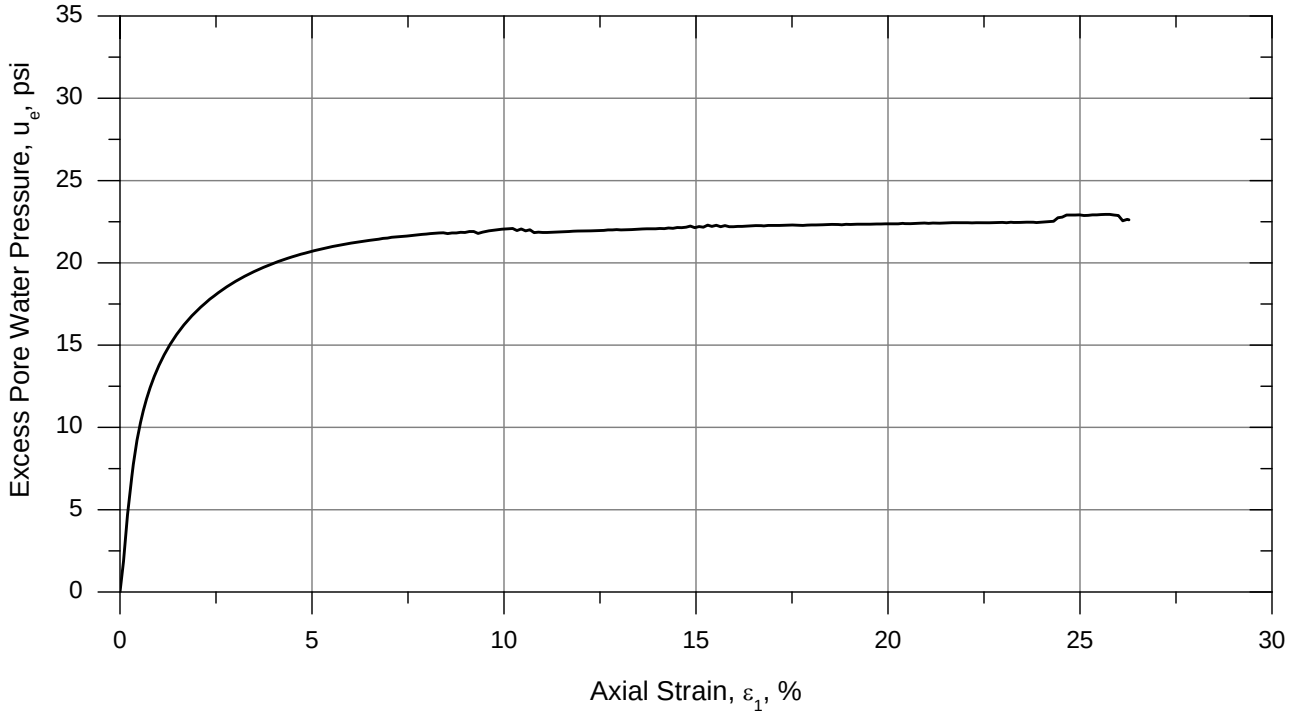




TRIAXIAL TEST RESULTS

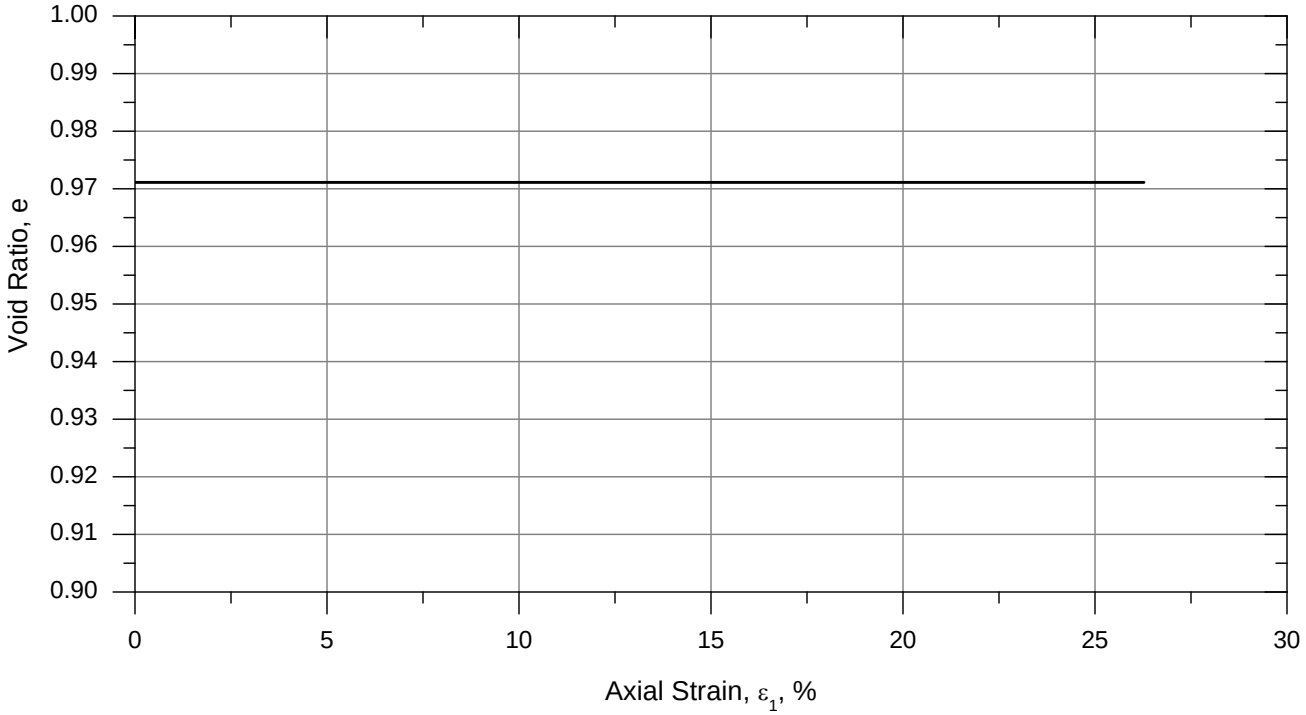
BORING ID: 200-Series
TEST ID: 2

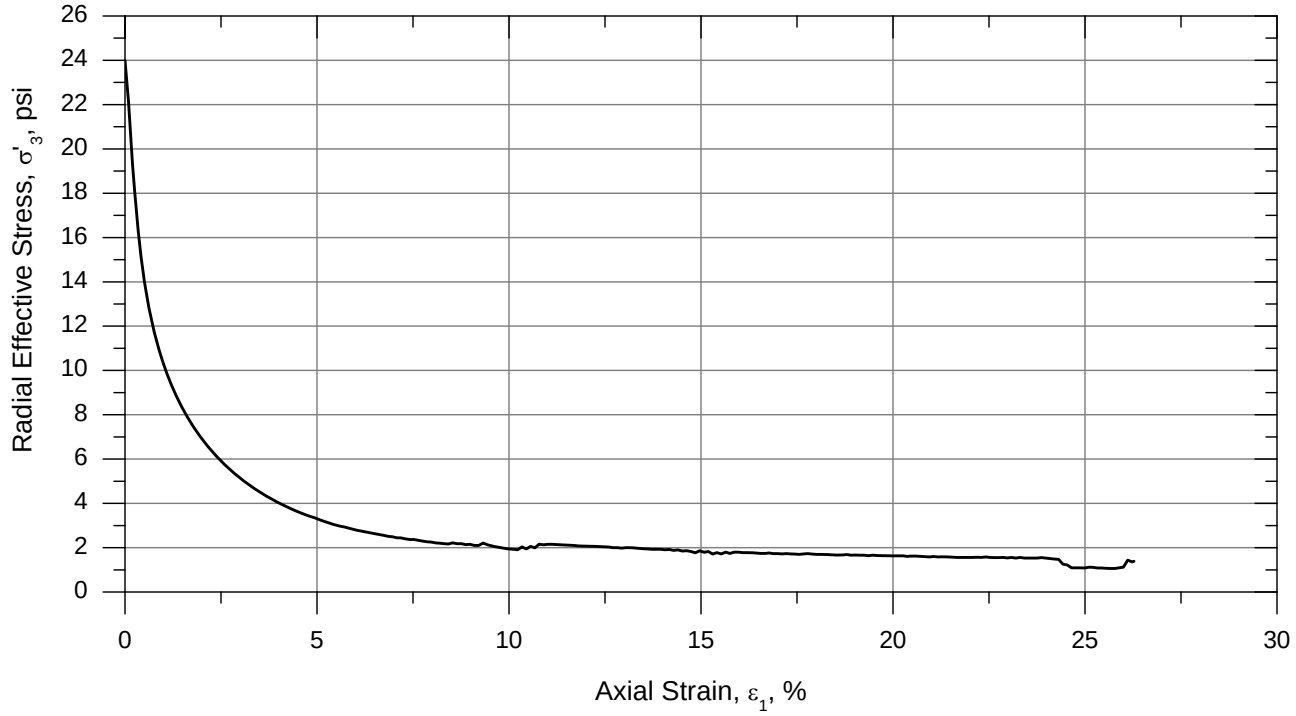




TRIAXIAL TEST RESULTS

BORING ID: 200-Series
TEST ID: 2





UNDRAINED TRIAXIAL COMPRESSION TEST RESULTS

AECOM

Project Name: TVA Kingston Fossil Plant RC Analysis
Project No.: 60095742
Client: Tennessee Valley Authority
Location: Kingston, TN

Test ID: 3
Soil Boring: 200-Series
Sample No. N/A
Soil Type: Gray Fly Ash
USCS: ML
Specific Gravity 2.33
Sample Type: Reconstituted
Preparation: Moist Tamp
Type of Test: CIU-TXC

STAGE

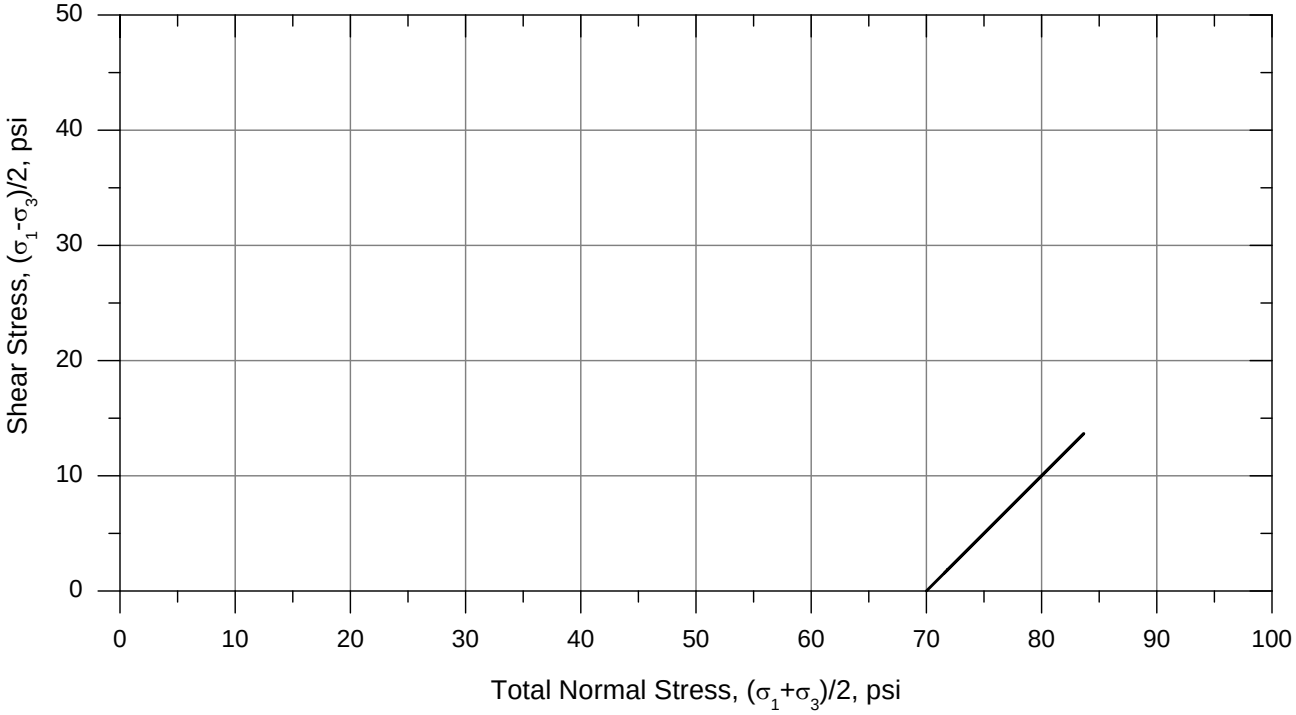
SATURATION	B (Skempton) value:	0.86
	Back Pressure, psi:	71.0
CONSOLIDATION	Type:	Isotropic
SHEAR	Type:	CIU-TXC
	Strain rate, %/min:	0.020
	Max. Mobilized Friction Angle, deg:	26.6
	Max. Deviator Stress, psi:	27.3

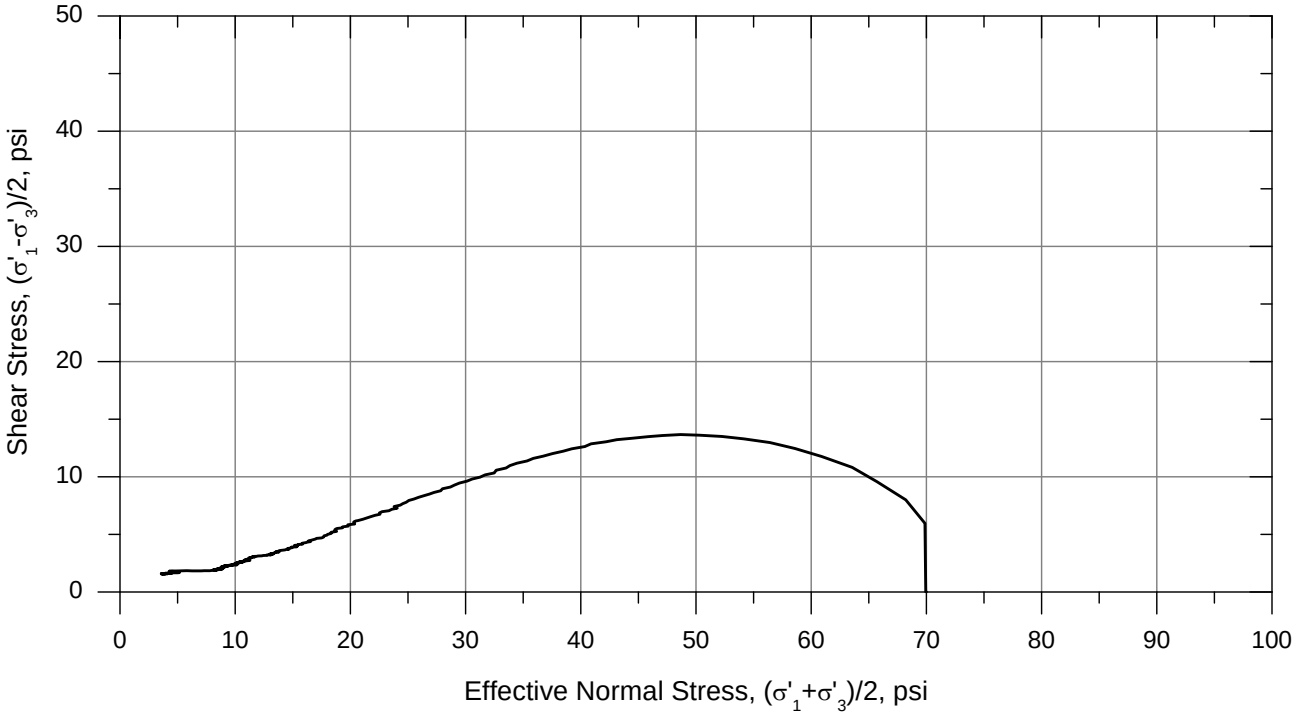
RESULTS

		CONSOLIDATION		SHEAR			
	INITIAL	INITIAL	FINAL	INITIAL	AT MAX STRESS RATIO	AT MAX DEVIATOR STRESS	FINAL
Height, mm:	156.0	149.7	148.1	148.1	110.3	146.4	109.6
Diameter, mm:	69.9	70.1	69.4	69.4	78.2	69.8	78.4
Axial Strain, %:		0.0	1.1	0.0	25.5	1.1	26.0
Volumetric Strain, %:		0.0	3.2	0.0	0.0	0.0	0.0
Deviator Stress, psi:		0.0	0.0	0.0	3.2	27.3	3.1
Vertical Effective Stress, psi:		4.0	70.0	70.0	5.2	62.3	5.3
Horizontal Effective Stress, psi:		4.0	70.0	70.0	2.0	35.0	2.1
Void Ratio:		1.17	1.10	1.10	1.10	1.10	1.10
Water Content, %:		50.0	47.0	47.0	47.0	47.0	47.0
Saturation, %:		100	100	100	100	100	100
Unit Weight, pcf:		100.7	102.0	102.0	102.0	102.0	102.0
Dry Unit Weight, pcf:		67.1	69.4	69.4	69.4	69.4	69.4

TRIAXIAL TEST RESULTS

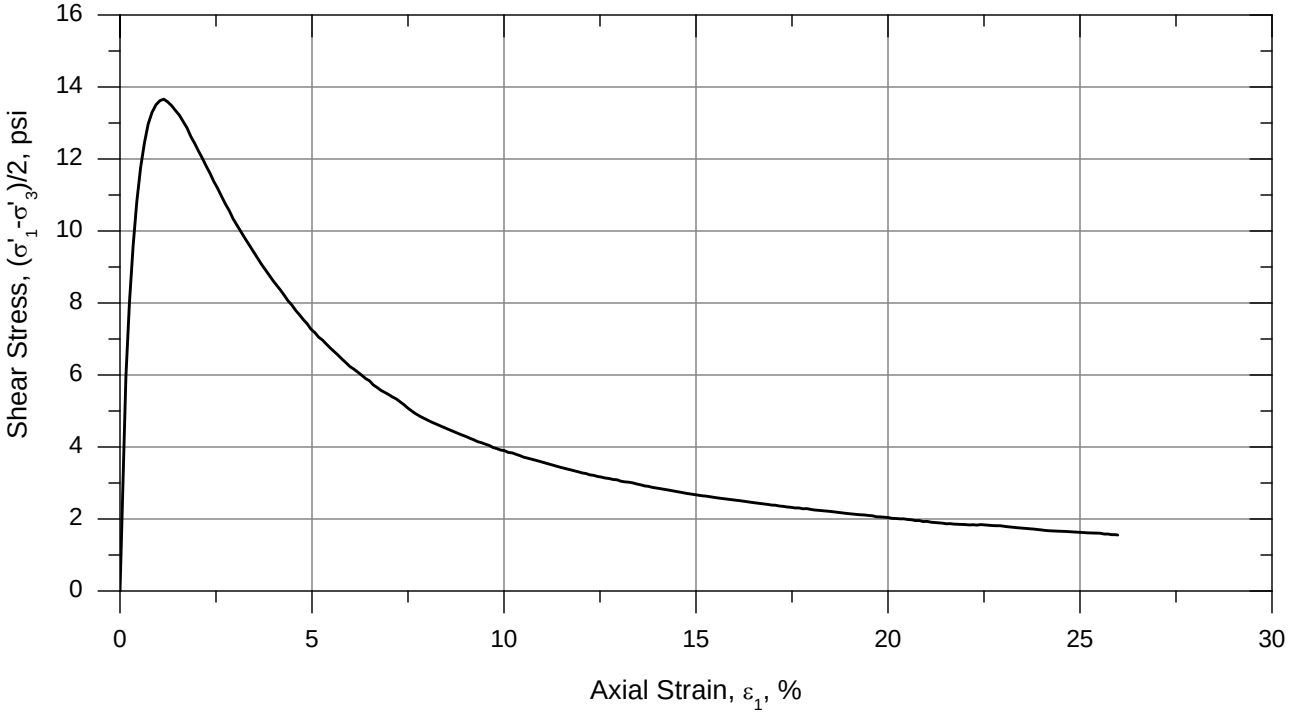
BORING ID: 200-Series
TEST ID: 3

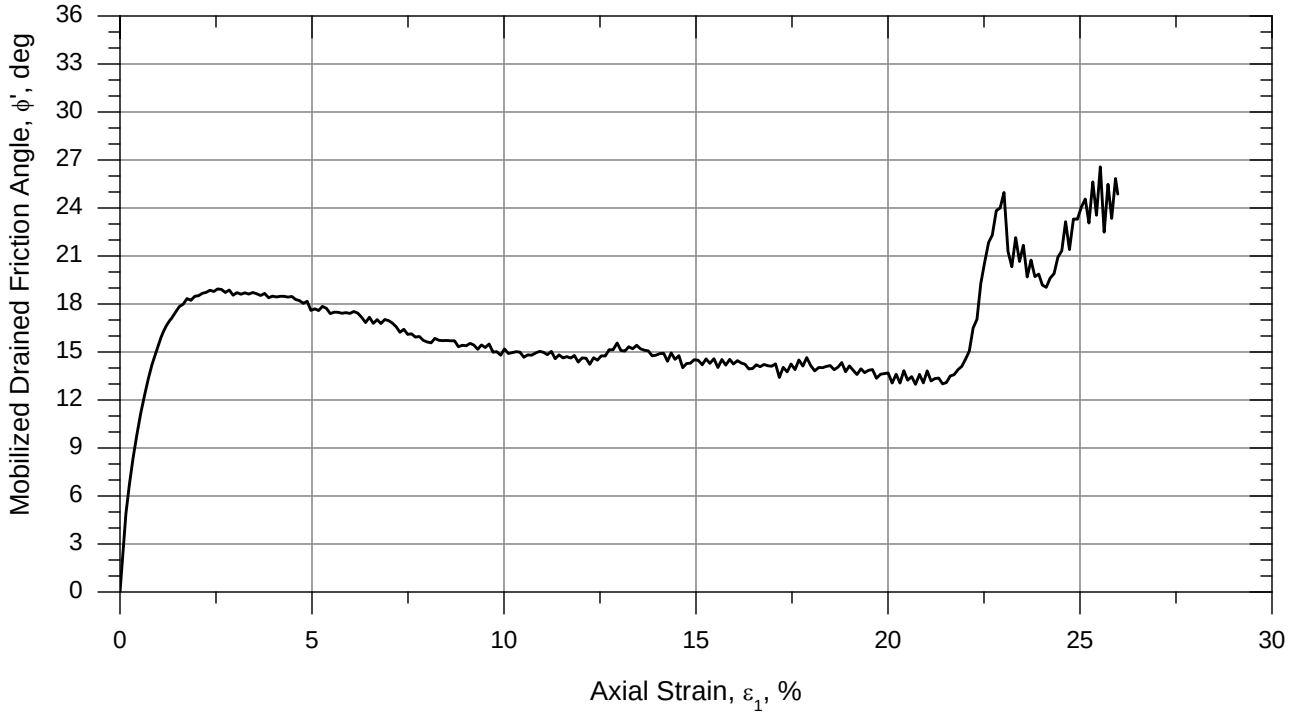




TRIAXIAL TEST RESULTS

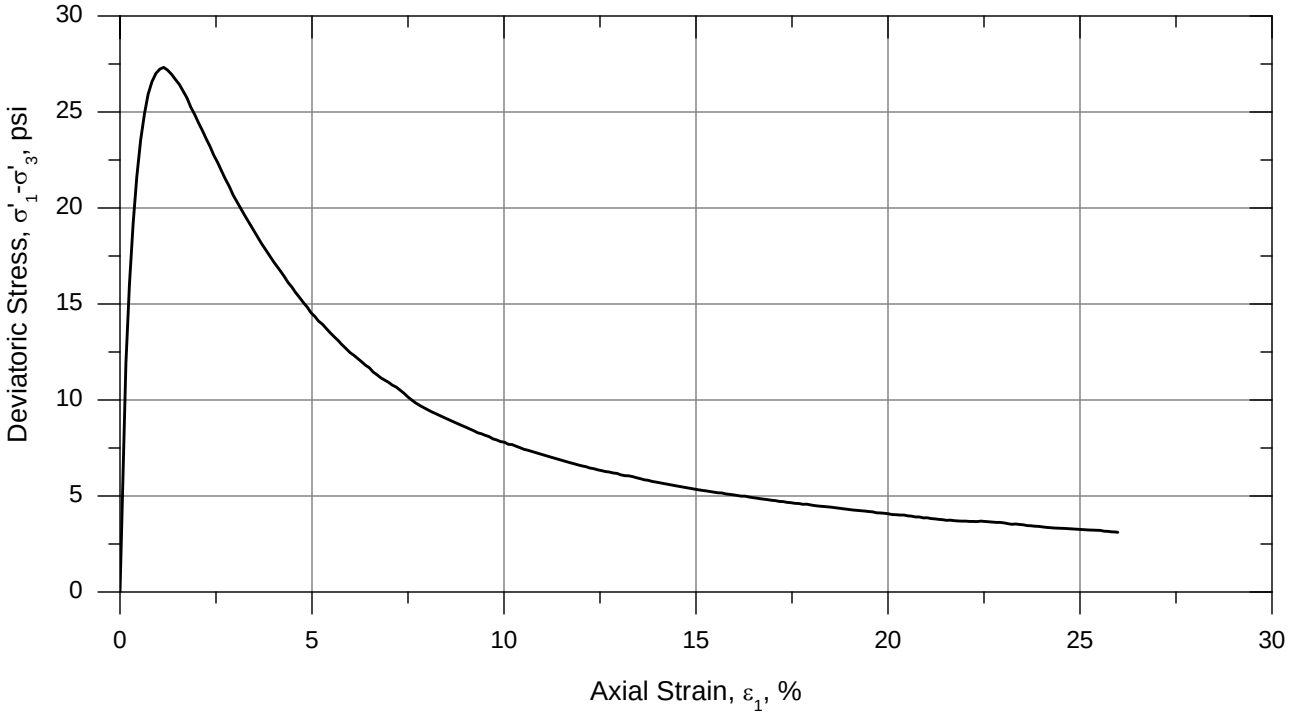
BORING ID: 200-Series
TEST ID: 3

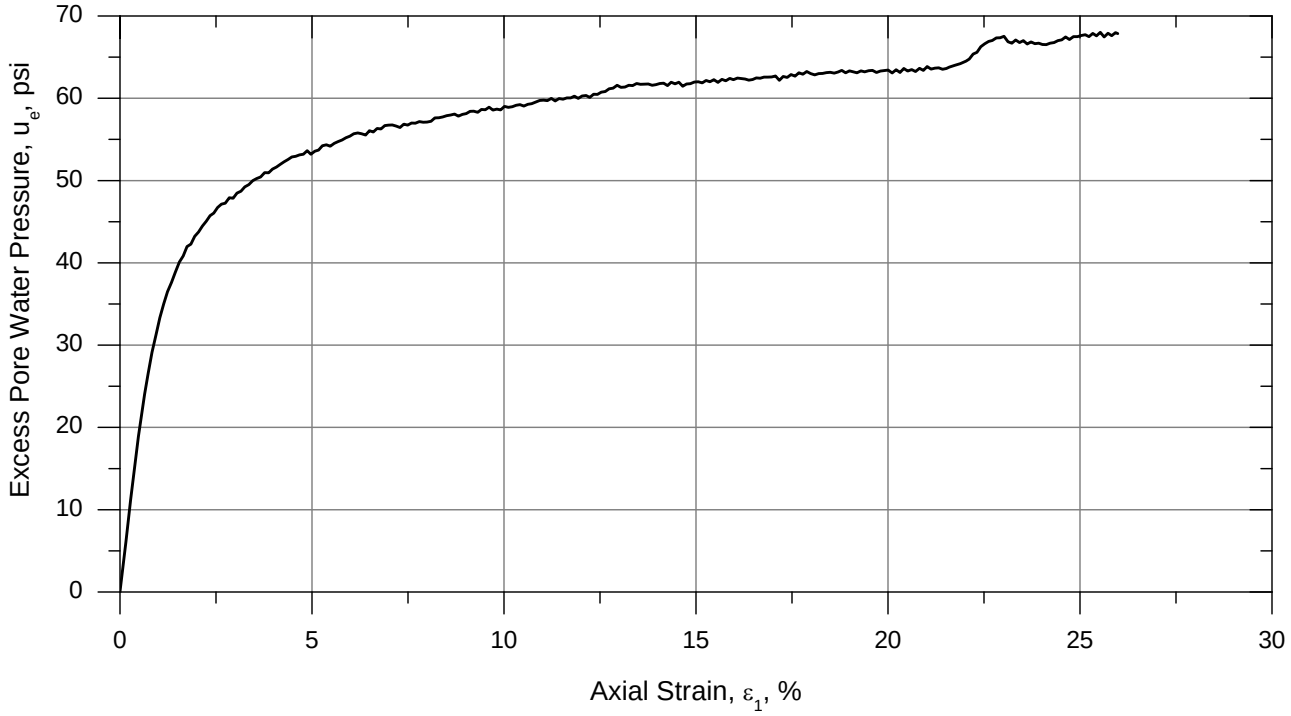




TRIAXIAL TEST RESULTS

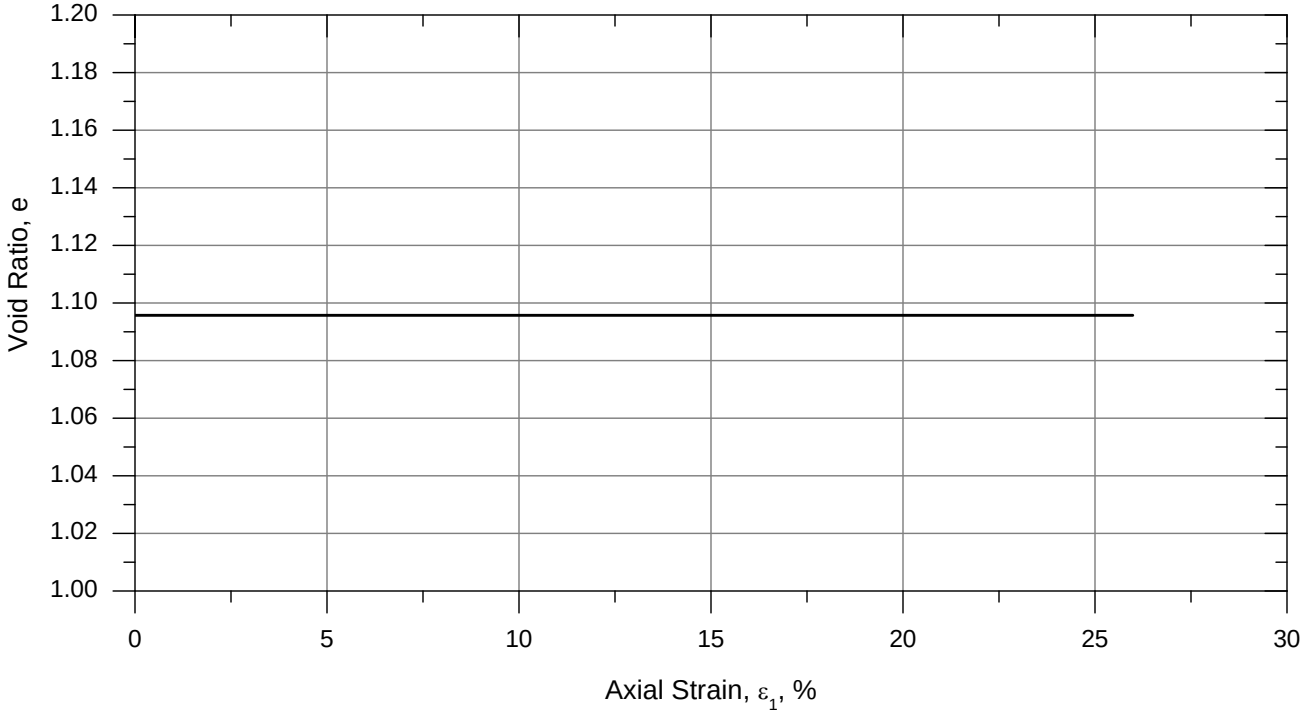
BORING ID: 200-Series
TEST ID: 3

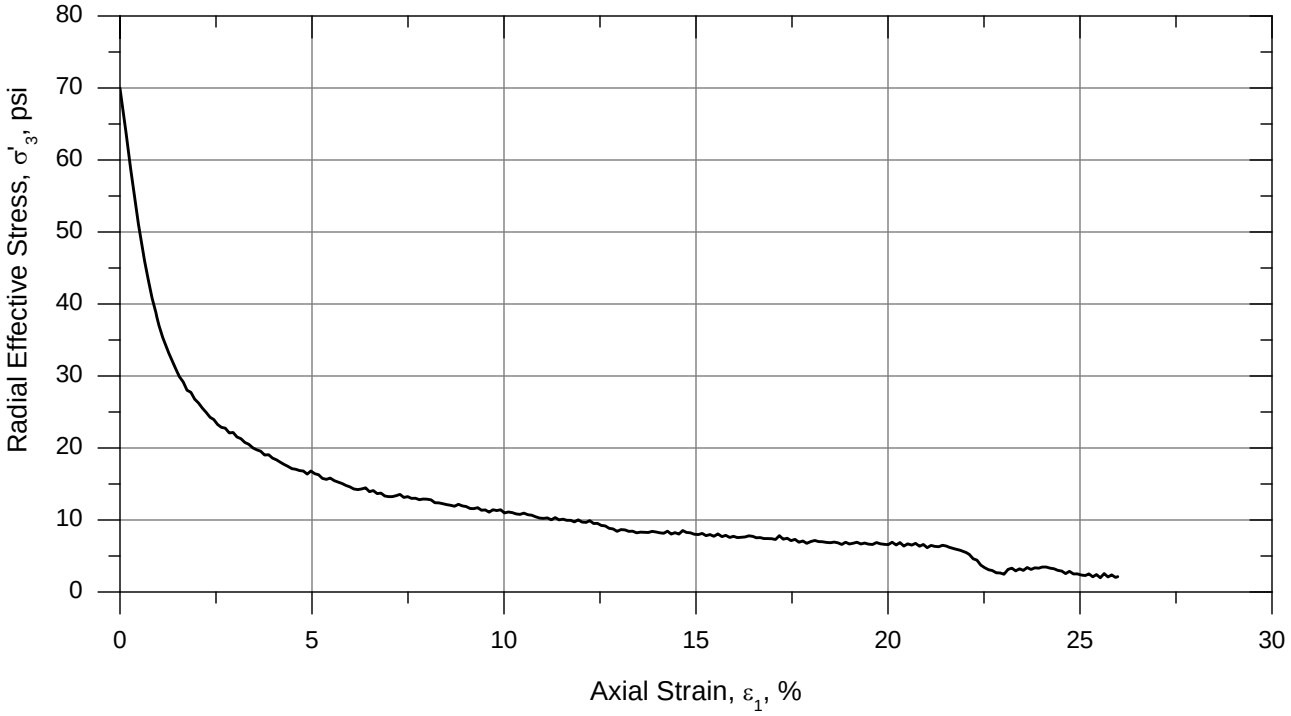




TRIAXIAL TEST RESULTS

BORING ID: 200-Series
TEST ID: 3





UNDRAINED TRIAXIAL COMPRESSION TEST RESULTS

AECOM

Project Name: TVA Kingston Fossil Plant RC Analysis
Project No.: 60095742
Client: Tennessee Valley Authority
Location: Kingston, TN

Test ID: 4
Soil Boring: 200-Series
Sample No. N/A
Soil Type: Gray Fly Ash
USCS: ML
Specific Gravity 2.33
Sample Type: Reconstituted
Preparation: Moist Tamp
Type of Test: CIU-TXC

STAGE

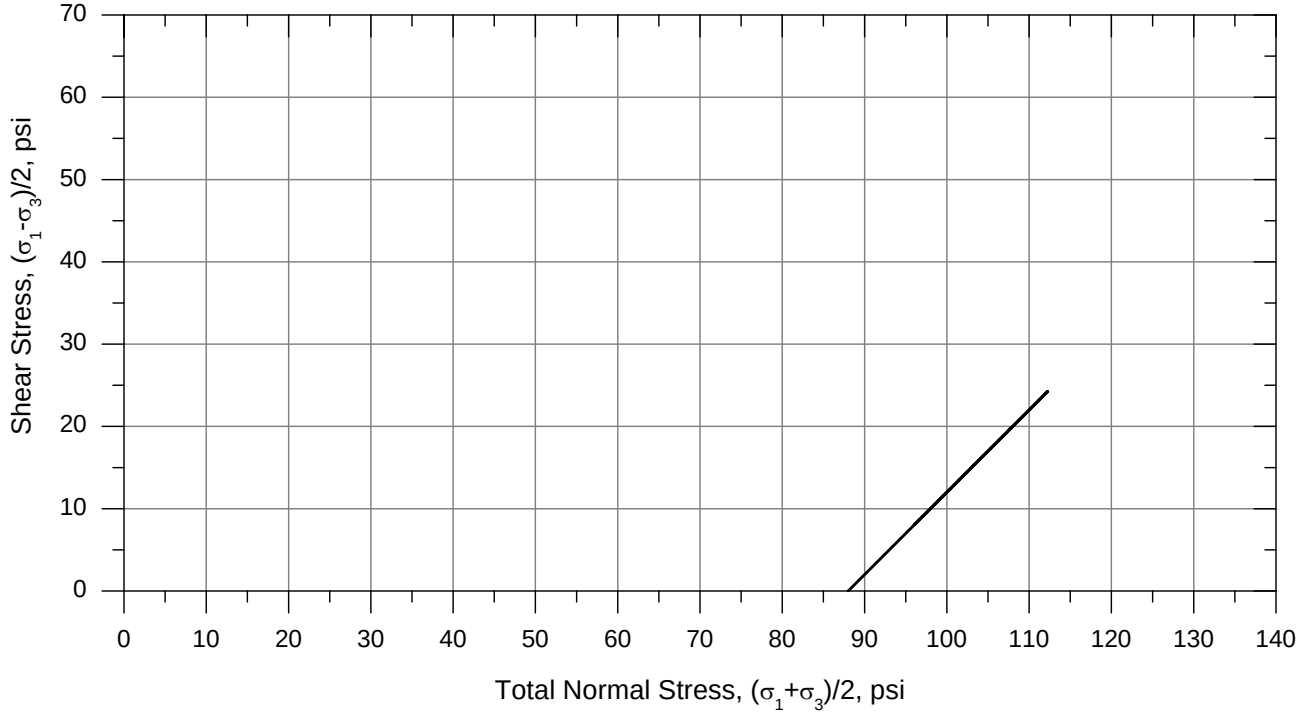
SATURATION	B (Skempton) value:	0.98
	Back Pressure, psi:	46.0
CONSOLIDATION	Type:	Isotropic
SHEAR	Type:	CIU-TXC
	Strain rate, %/min:	0.021
	Max. Mobilized Friction Angle, deg:	33.8
	Max. Deviator Stress, psi:	48.5

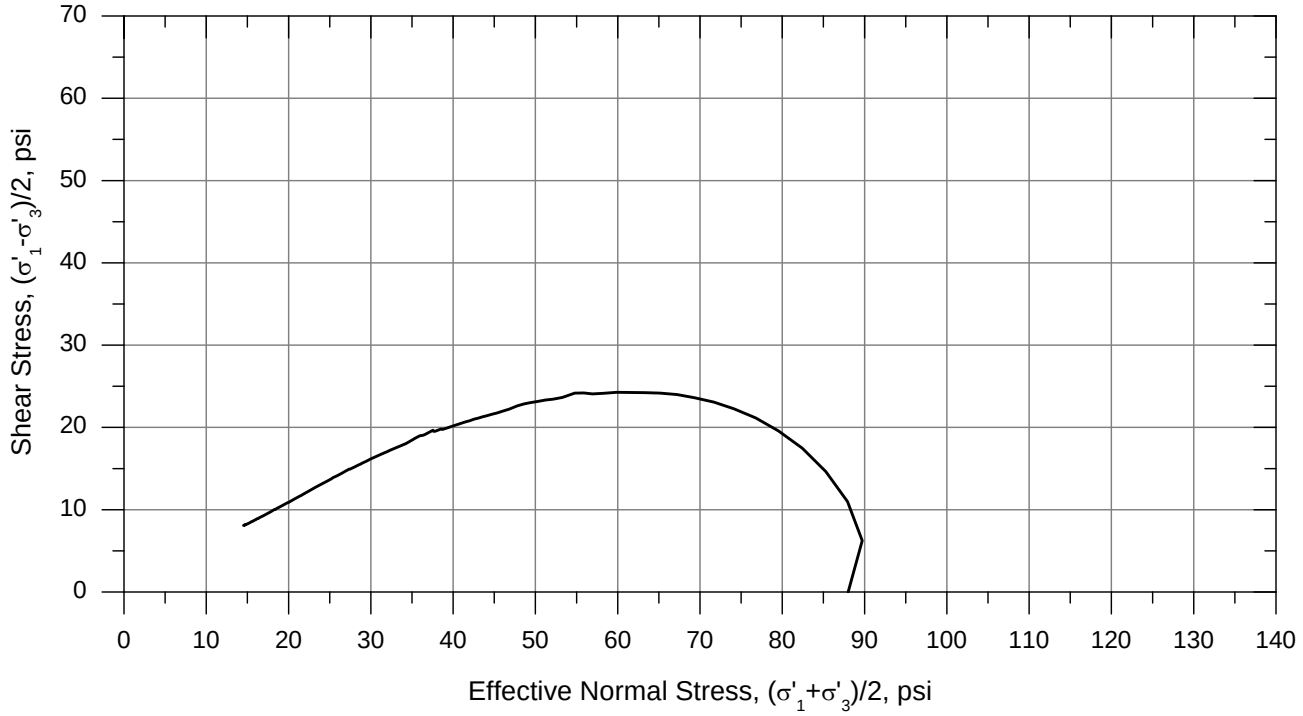
RESULTS

		CONSOLIDATION		SHEAR			
	INITIAL	INITIAL	FINAL	INITIAL	AT MAX STRESS RATIO	AT MAX DEVIATOR STRESS	FINAL
Height, mm:	155.0	153.2	151.0	151.0	105.6	148.9	105.6
Diameter, mm:	73.4	70.3	69.3	69.3	79.7	69.7	79.7
Axial Strain, %:		0.0	1.5	0.0	30.1	1.4	30.1
Volumetric Strain, %:		0.0	4.4	0.0	0.0	0.0	0.0
Deviator Stress, psi:		0.0	0.0	0.0	16.2	48.5	16.2
Vertical Effective Stress, psi:		2.0	88.0	88.0	22.6	84.1	22.6
Horizontal Effective Stress, psi:		2.0	88.0	88.0	6.4	35.6	6.4
Void Ratio:		0.93	0.84	0.84	0.84	0.84	0.84
Water Content, %:		39.7	36.1	36.1	36.1	36.1	36.1
Saturation, %:		100	100	100	100	100	100
Unit Weight, pcf:		105.5	107.5	107.5	107.5	107.5	107.5
Dry Unit Weight, pcf:		75.5	79.0	79.0	79.0	79.0	79.0

TRIAXIAL TEST RESULTS

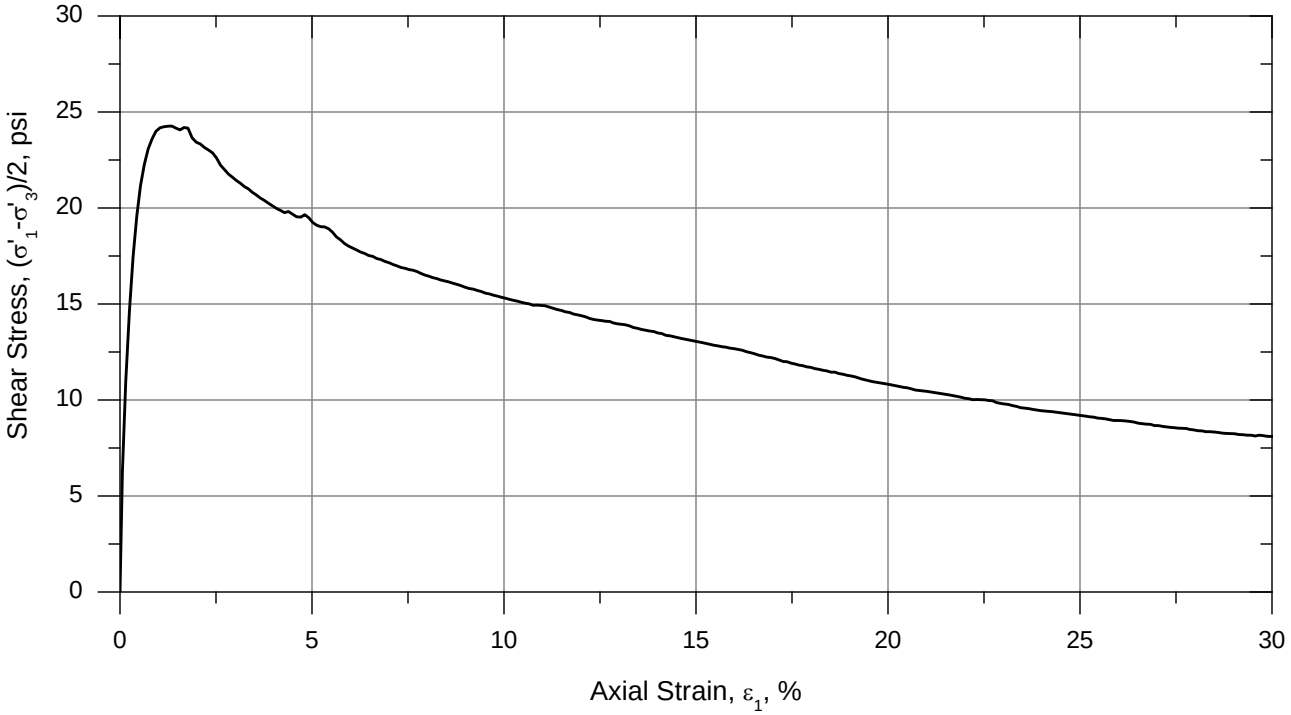
BORING ID: 200-Series
TEST ID: 4

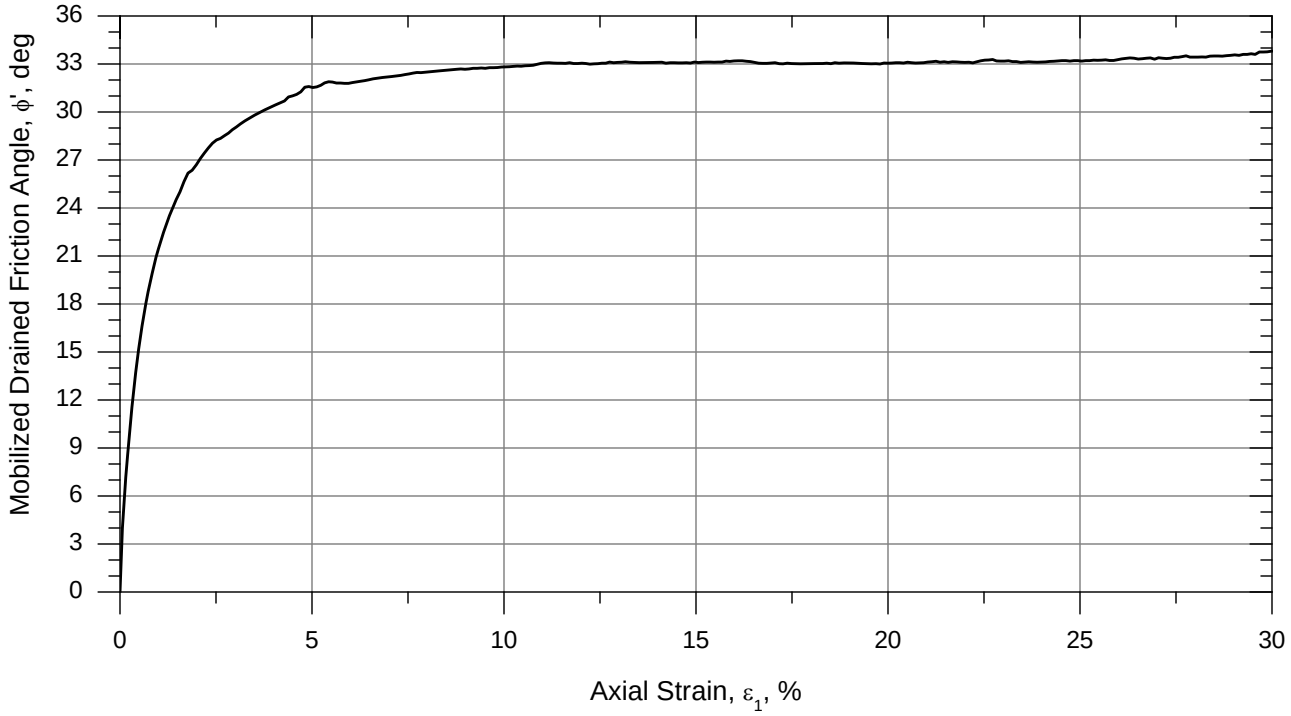




TRIAXIAL TEST RESULTS

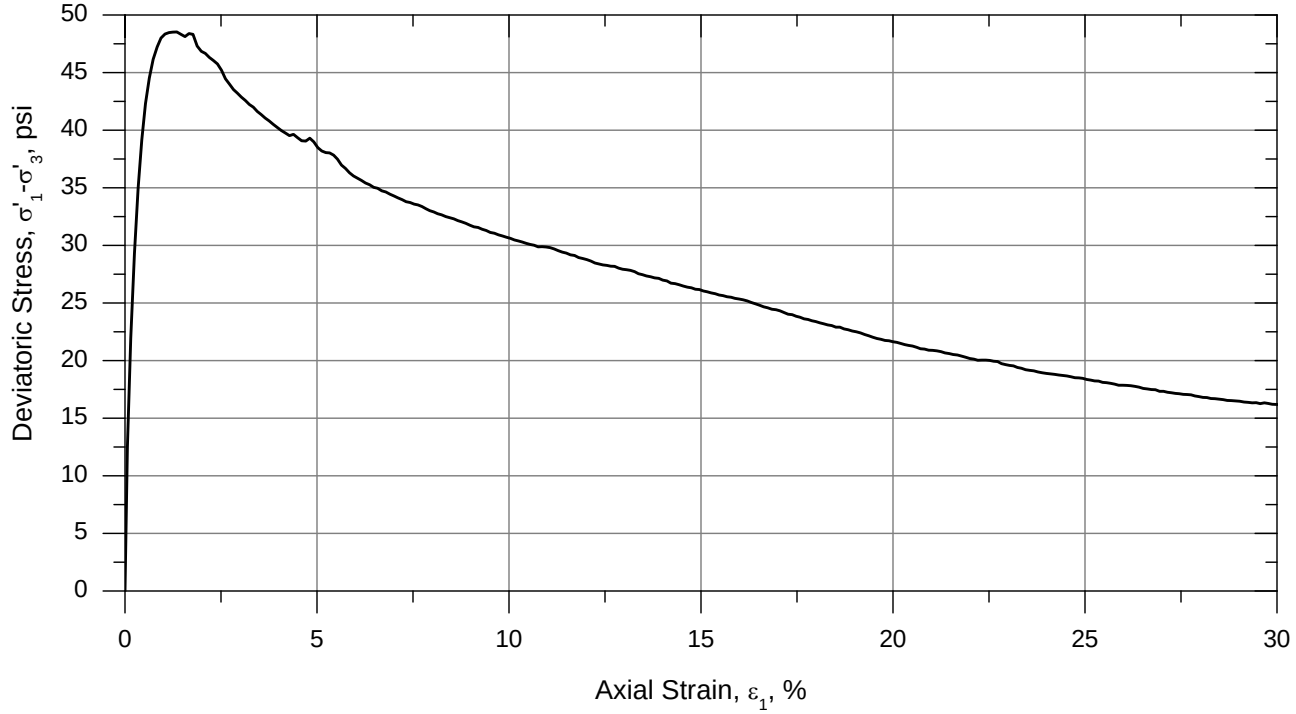
BORING ID: 200-Series
TEST ID: 4

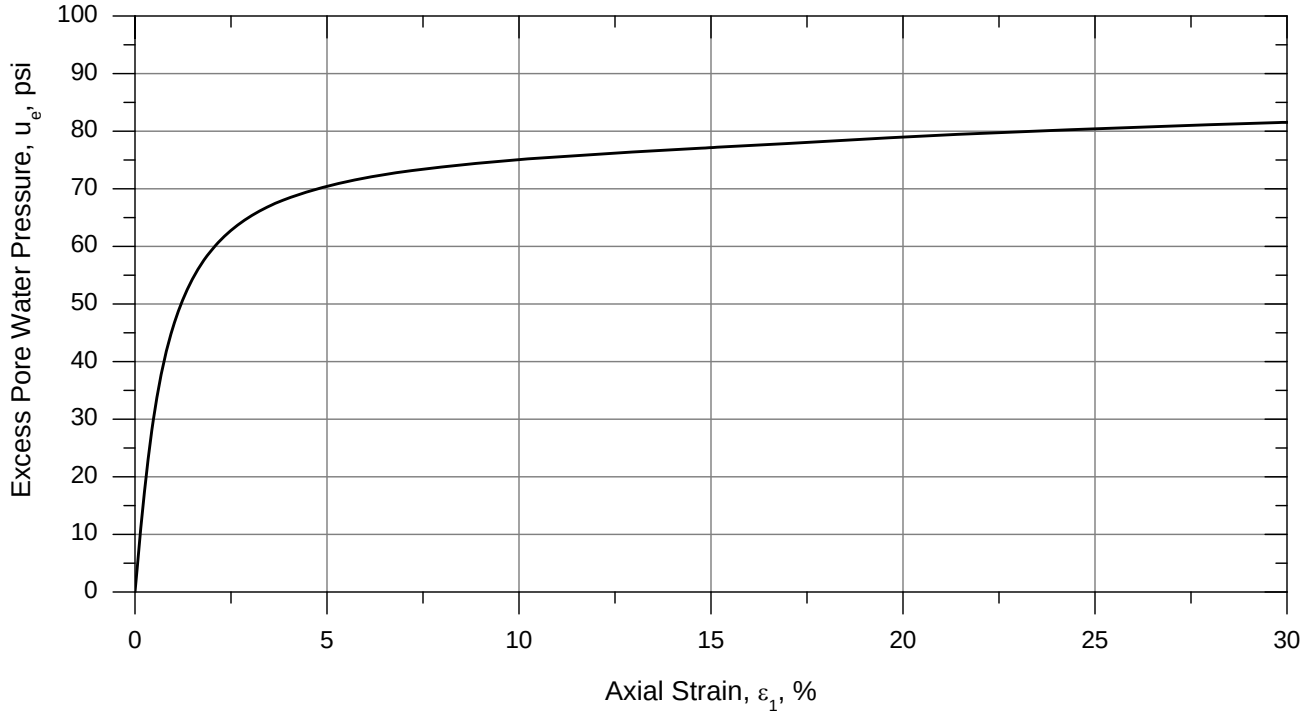




TRIAXIAL TEST RESULTS

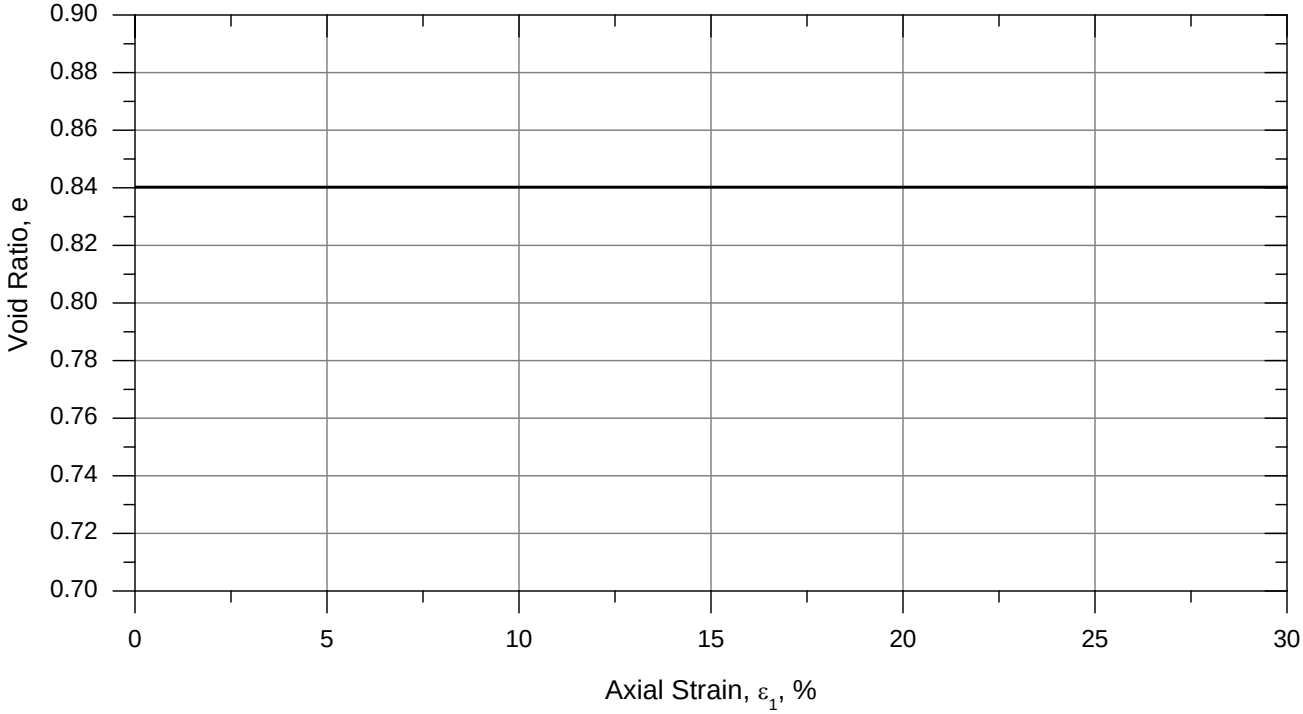
BORING ID: 200-Series
TEST ID: 4

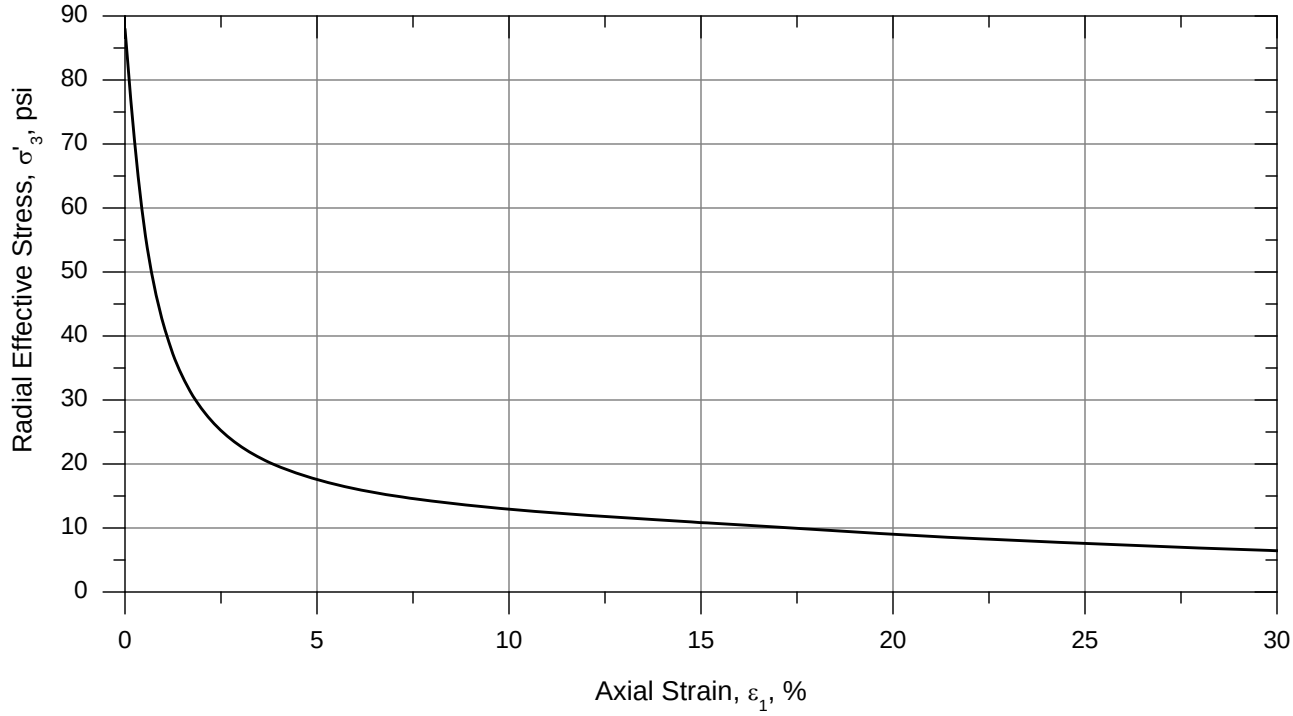




TRIAXIAL TEST RESULTS

BORING ID: 200-Series
TEST ID: 4





UNDRAINED TRIAXIAL COMPRESSION TEST RESULTS

AECOM

Project Name:	TVA Kingston Fossil Plant RC Analysis
Project No.:	60095742
Client:	Tennessee Valley Authority
Location:	Kingston, TN

Test ID:	5
Soil Boring:	200-Series
Sample No.	N/A
Soil Type:	Gray Fly Ash
USCS:	ML
Specific Gravity	2.33
Sample Type:	Reconstituted
Preparation:	Moist Tamp
Type of Test:	CIU-TXC

STAGE

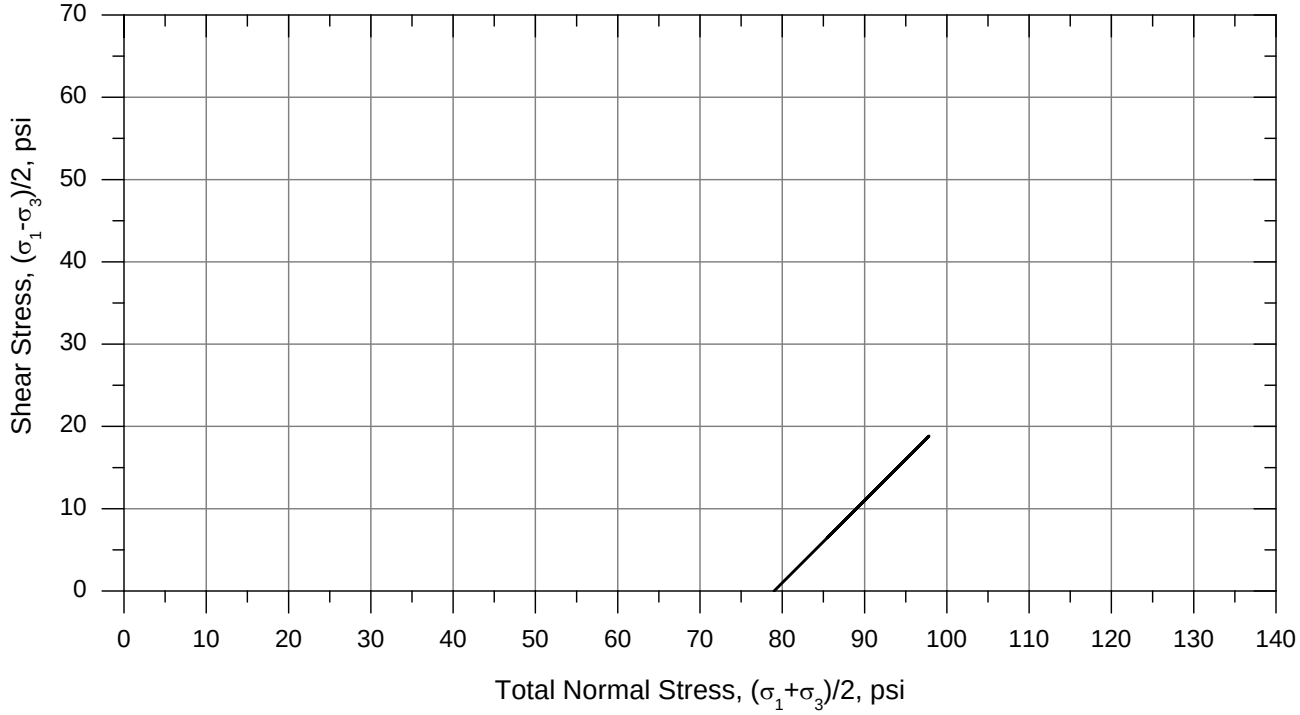
SATURATION	B (Skempton) value:	0.92
	Back Pressure, psi:	70.0
CONSOLIDATION	Type:	Isotropic
SHEAR	Type:	CIU-TXC
	Strain rate, %/min:	0.021
	Max. Mobilized Friction Angle, deg:	24.0
	Max. Deviator Stress, psi:	37.7

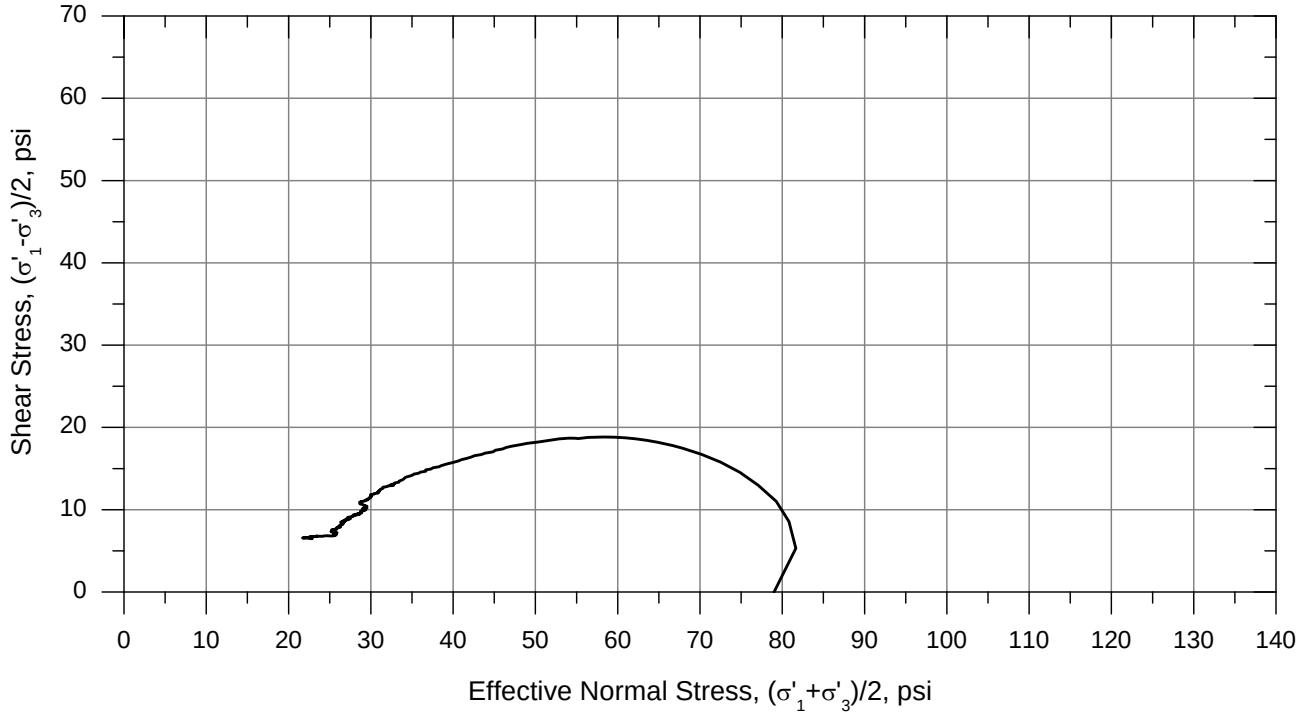
RESULTS

		CONSOLIDATION		SHEAR			
	INITIAL	INITIAL	FINAL	INITIAL	AT MAX STRESS RATIO	AT MAX DEVIATOR STRESS	FINAL
Height, mm:	152.1	142.7	140.5	140.5	133.2	138.7	105.8
Diameter, mm:	71.1	68.4	67.4	67.3	69.1	67.8	75.6
Axial Strain, %:		0.0	1.5	0.0	5.2	1.3	24.7
Volumetric Strain, %:		0.0	4.6	0.0	0.0	0.0	0.0
Deviator Stress, psi:		0.0	0.0	0.0	28.0	37.7	12.9
Vertical Effective Stress, psi:		4.0	79.0	79.0	48.3	77.7	29.3
Horizontal Effective Stress, psi:		4.0	79.0	79.0	20.3	40.1	16.4
Void Ratio:		0.96	0.87	0.87	0.87	0.87	0.87
Water Content, %:		41.1	37.2	37.2	37.2	37.2	37.2
Saturation, %:		100	100	100	100	100	100
Unit Weight, pcf:		104.8	106.8	106.8	106.8	106.8	106.8
Dry Unit Weight, pcf:		74.3	77.9	77.9	77.9	77.9	77.9

TRIAXIAL TEST RESULTS

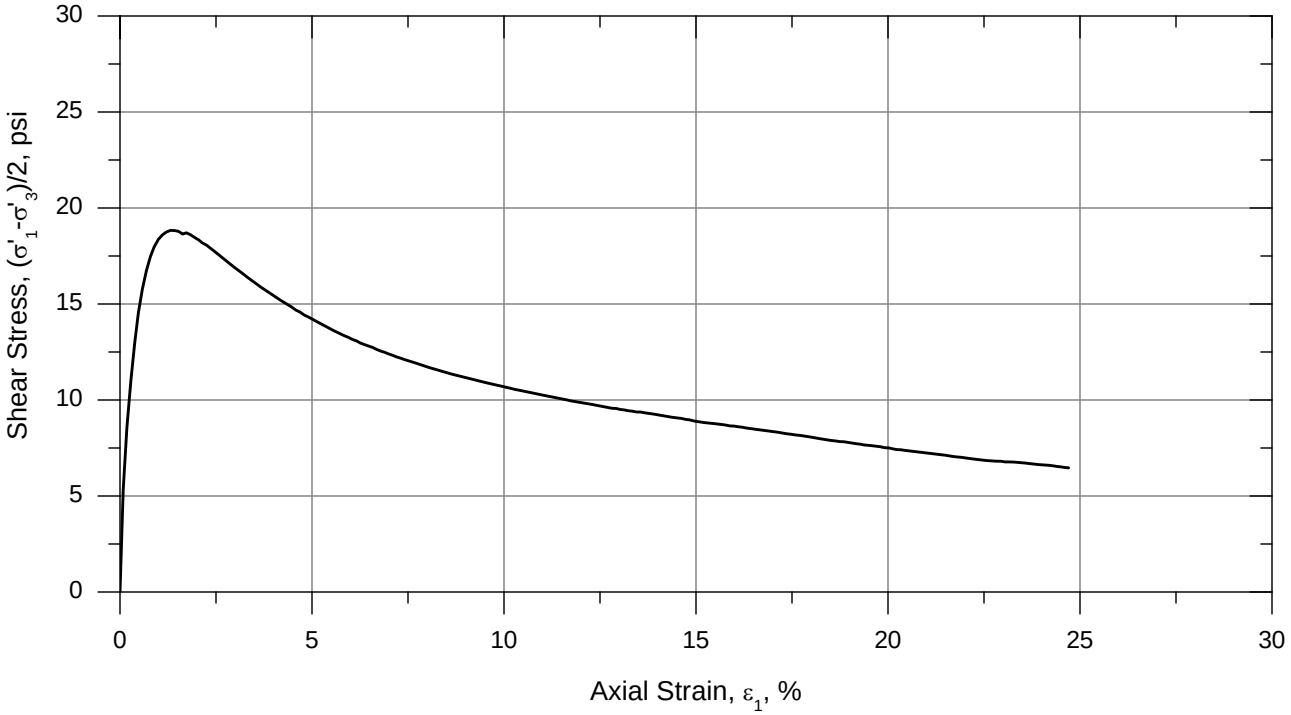
BORING ID: 200-Series
TEST ID: 5

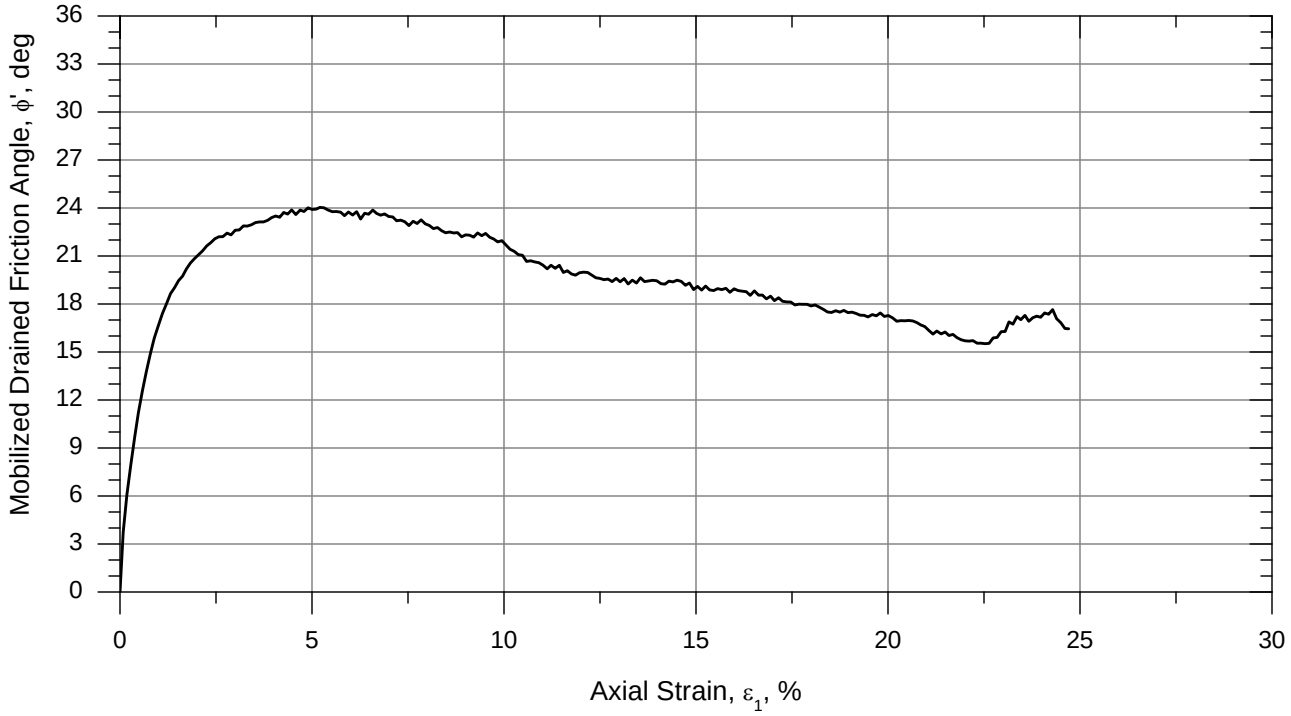




TRIAXIAL TEST RESULTS

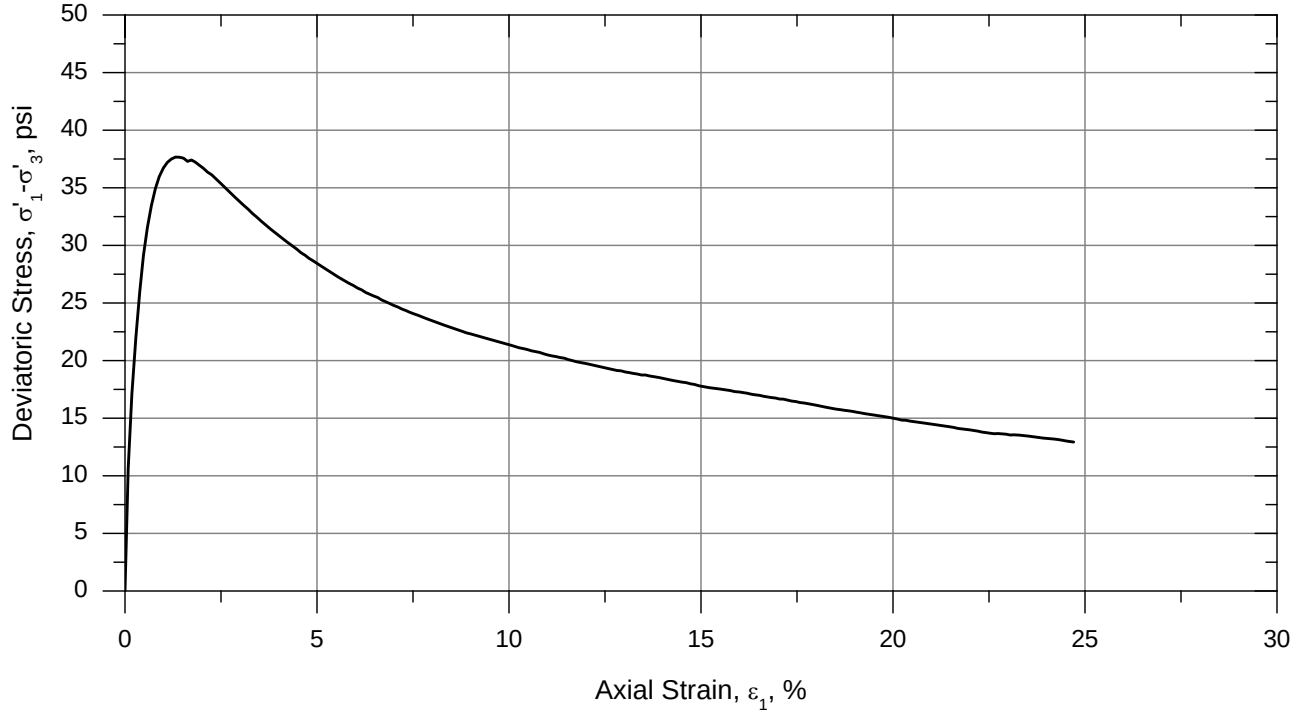
BORING ID: 200-Series
TEST ID: 5

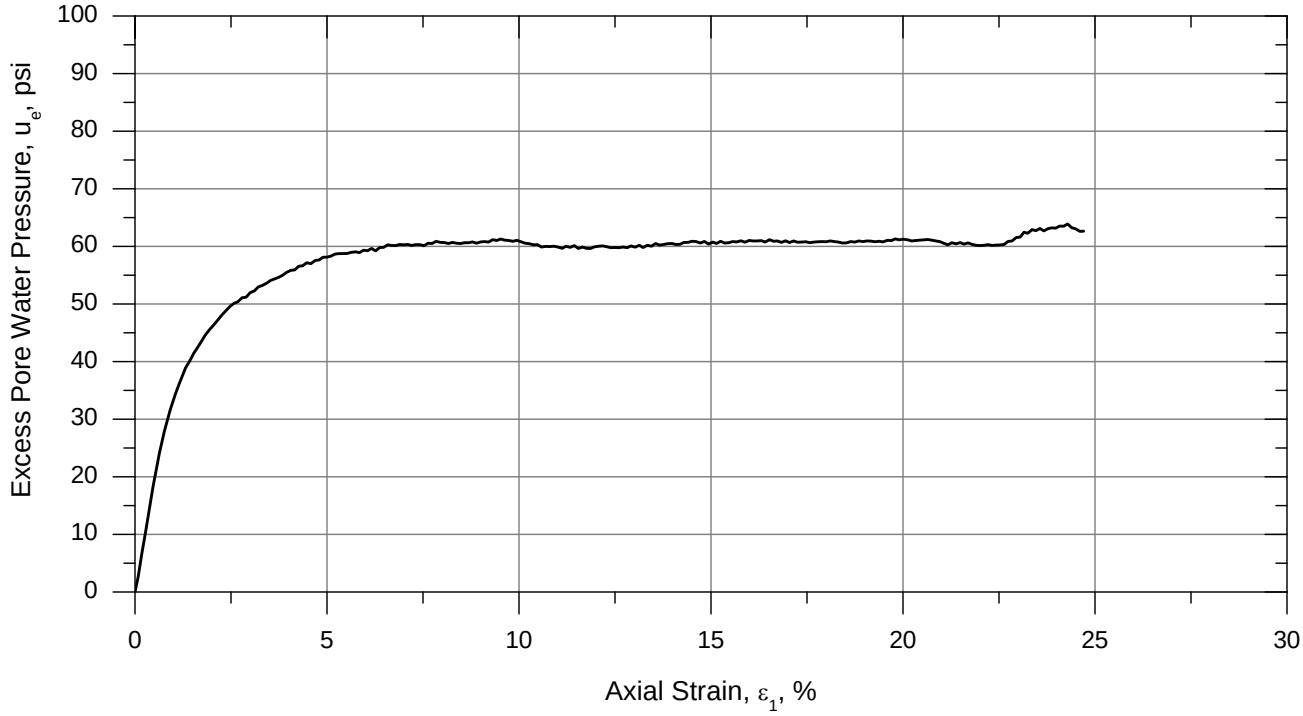




TRIAXIAL TEST RESULTS

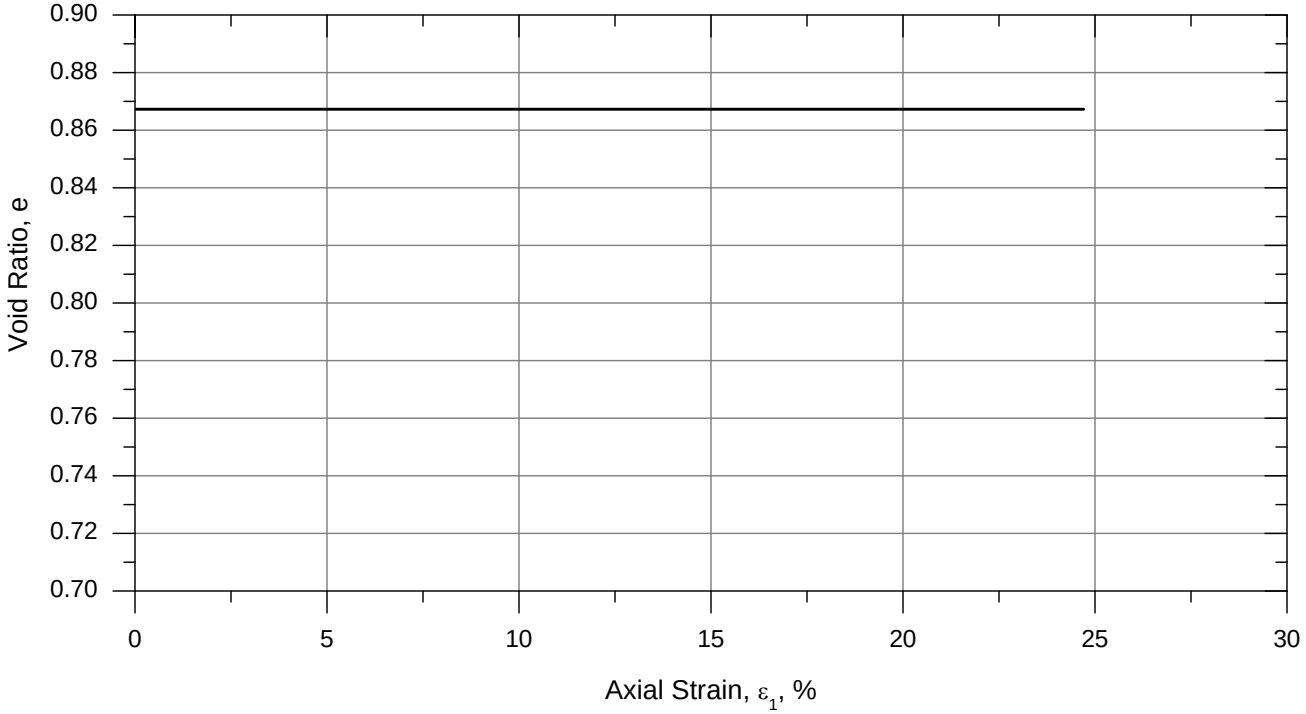
BORING ID: 200-Series
TEST ID: 5

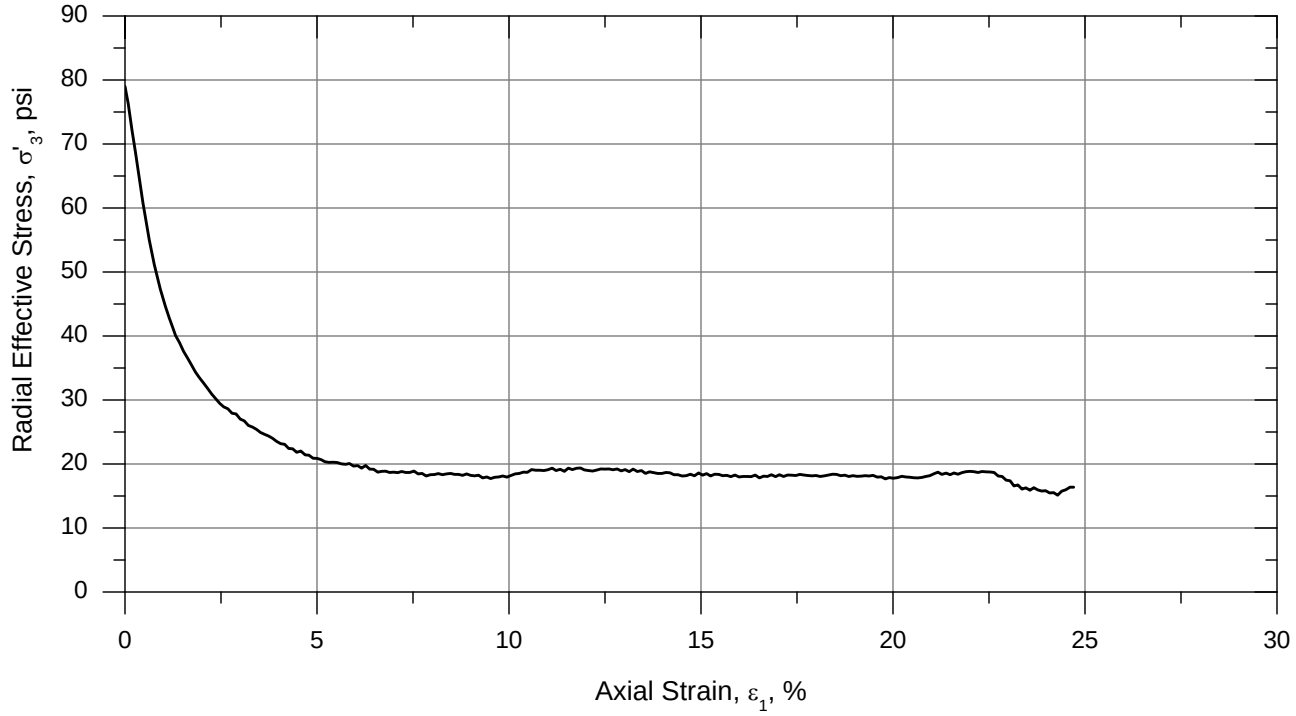




TRIAXIAL TEST RESULTS

BORING ID: 200-Series
TEST ID: 5





UNDRAINED TRIAXIAL COMPRESSION TEST RESULTS

AECOM

Project Name: TVA Kingston Fossil Plant RC Analysis
Project No.: 60095742
Client: Tennessee Valley Authority
Location: Kingston, TN

Test ID: 101
Soil Boring: 200-Series
Sample No. N/A
Soil Type: Gray Fly Ash
USCS: ML
Specific Gravity 2.33
Sample Type: Reconstituted
Preparation: Pluviation
Type of Test: CIU-TXC

STAGE

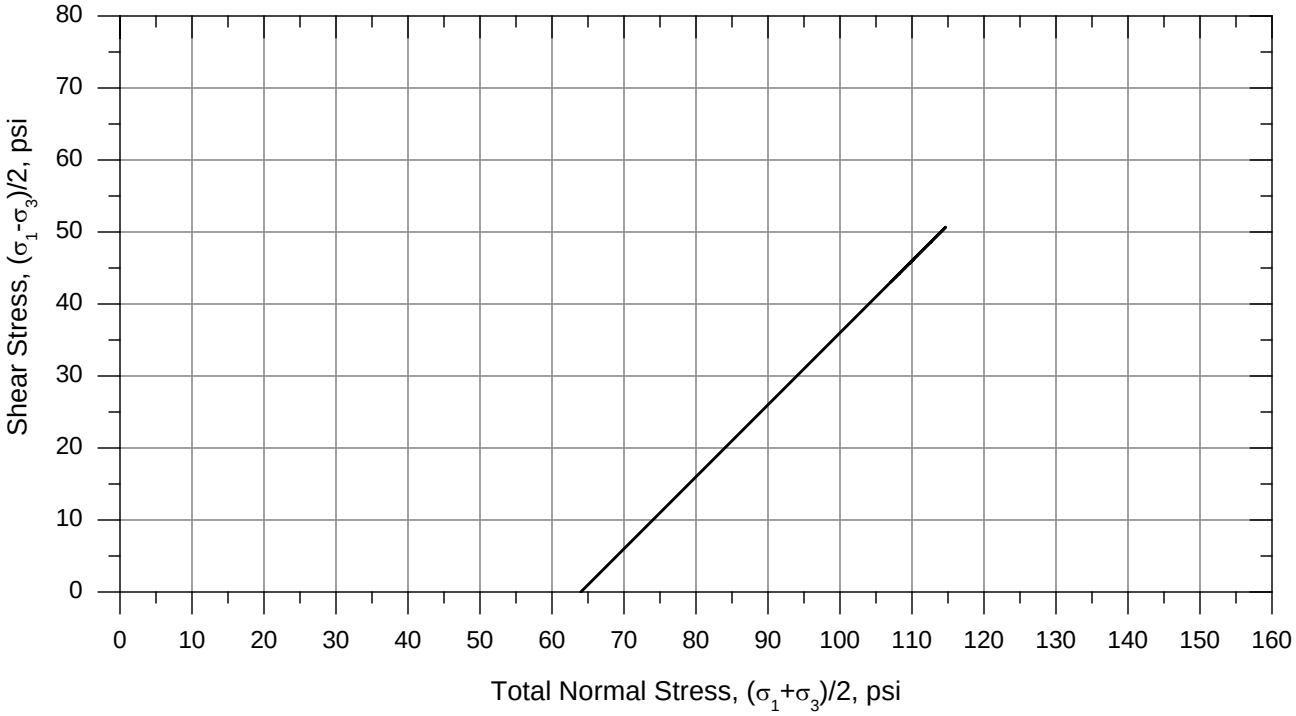
SATURATION	B (Skempton) value:	0.99
	Back Pressure, psi:	70.0
CONSOLIDATION	Type:	Isotropic
SHEAR	Type:	CIU-TXC
	Strain rate, %/min:	0.063
	Max. Mobilized Friction Angle, deg:	32.4
	Max. Deviator Stress, psi:	101.3

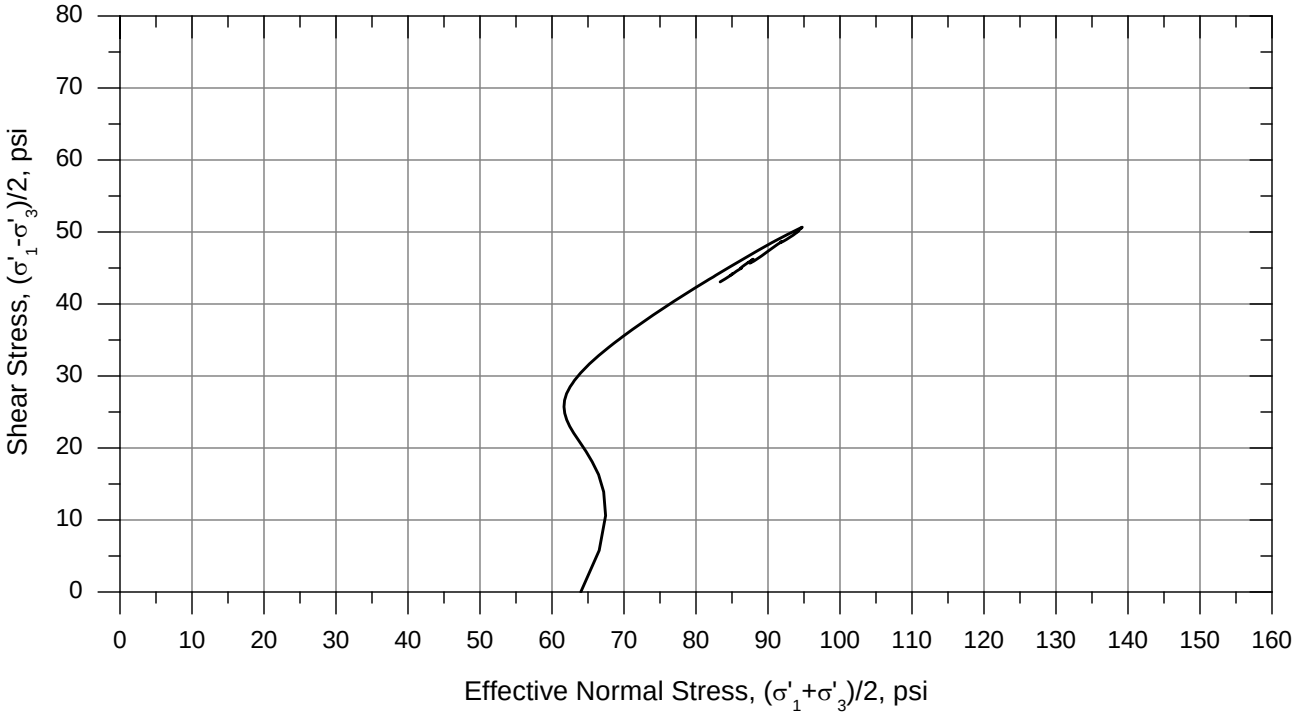
RESULTS

		CONSOLIDATION		SHEAR			
	INITIAL	INITIAL	FINAL	INITIAL	AT MAX STRESS RATIO	AT MAX DEVIATOR STRESS	FINAL
Height, mm:	158.7	157.8	157.6	157.6	141.8	136.7	121.2
Diameter, mm:	71.5	68.3	68.2	68.2	71.6	72.7	76.1
Axial Strain, %:		0.0	0.1	0.0	10.0	13.2	23.1
Volumetric Strain, %:		0.0	0.4	0.0	0.0	0.0	0.0
Deviator Stress, psi:		0.0	0.0	0.0	97.5	101.3	86.1
Vertical Effective Stress, psi:		8.0	64.0	64.0	139.7	145.4	126.4
Horizontal Effective Stress, psi:		8.0	64.0	64.0	42.2	44.1	40.3
Void Ratio:		0.63	0.62	0.62	0.62	0.62	0.62
Water Content, %:		26.9	26.6	26.6	26.6	26.6	26.6
Saturation, %:		100	100	100	100	100	100
Unit Weight, pcf:		113.4	113.6	113.6	113.6	113.6	113.6
Dry Unit Weight, pcf:		89.4	89.8	89.8	89.8	89.8	89.8

TRIAXIAL TEST RESULTS

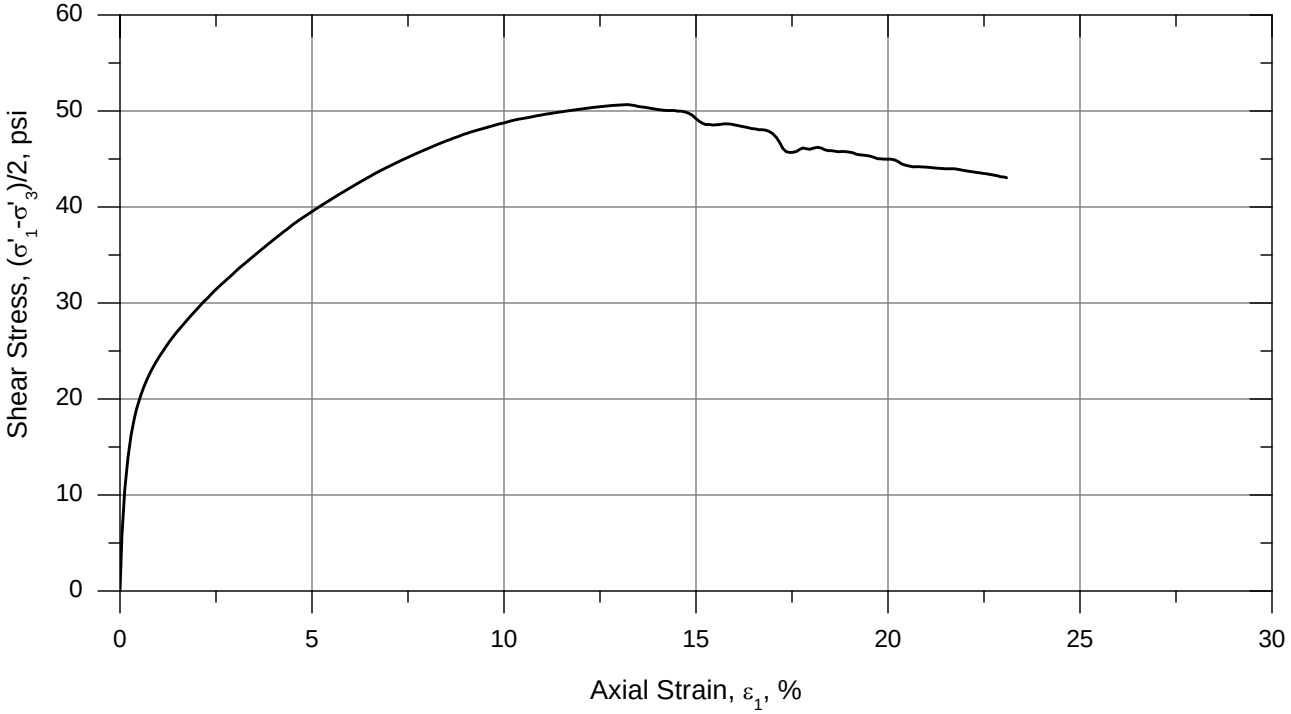
BORING ID: 200-Series
TEST ID: 101

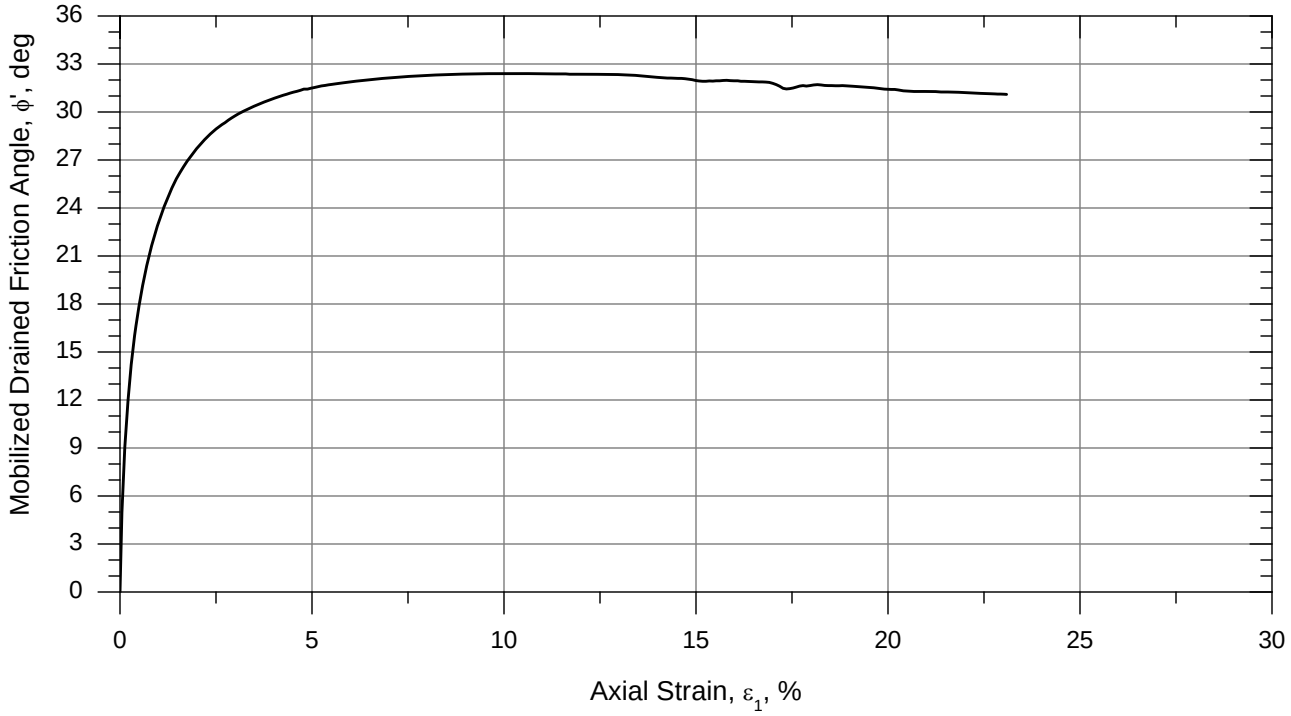




TRIAXIAL TEST RESULTS

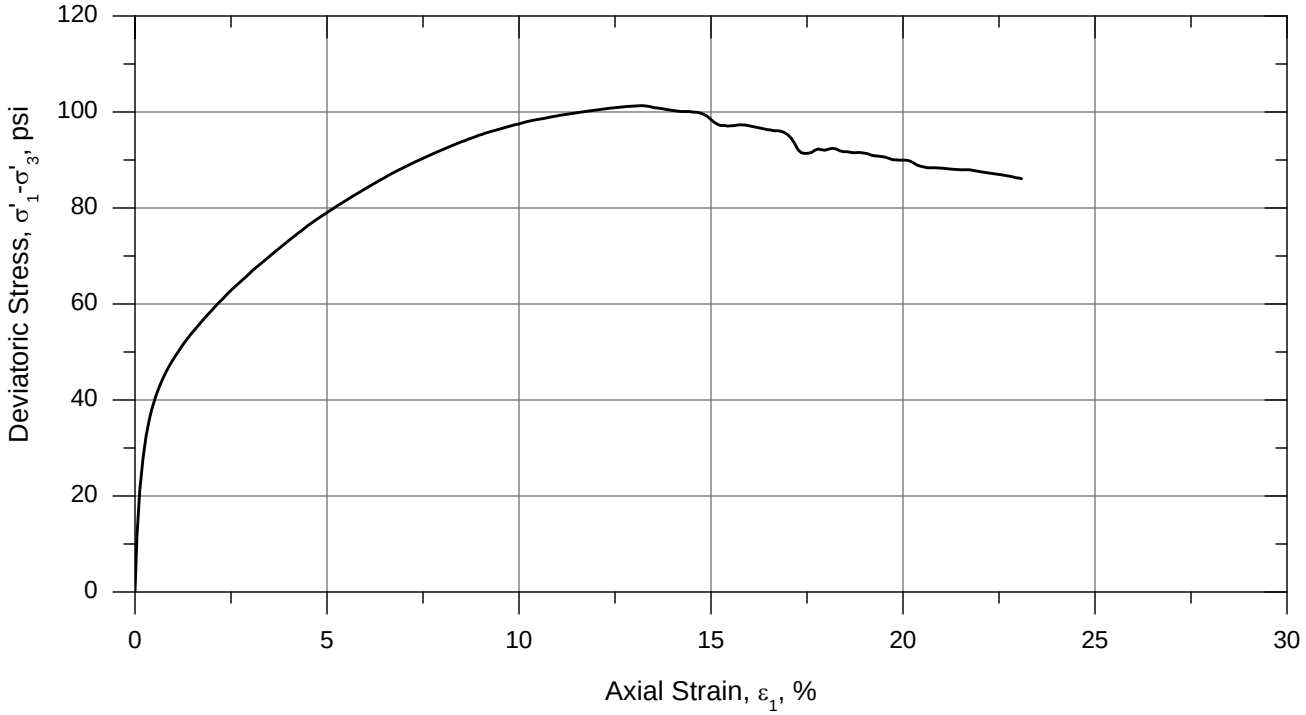
BORING ID: 200-Series
TEST ID: 101

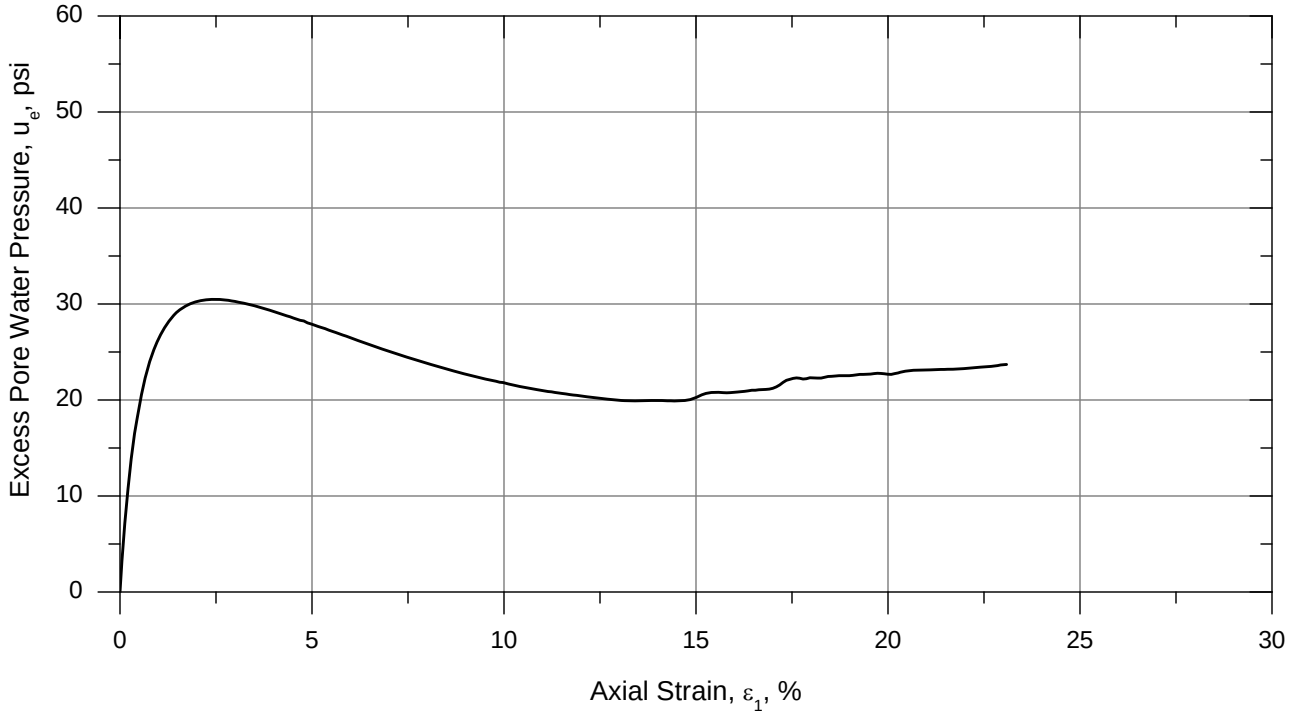




TRIAXIAL TEST RESULTS

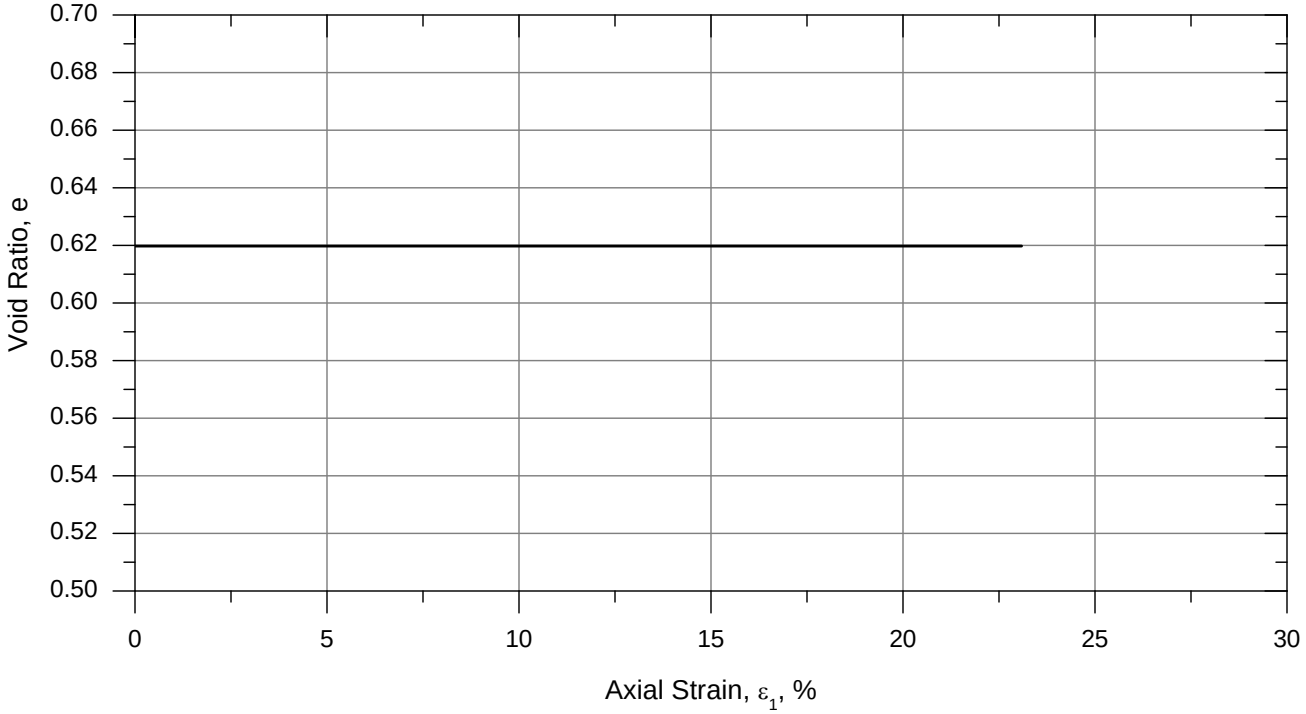
BORING ID: 200-Series
TEST ID: 101

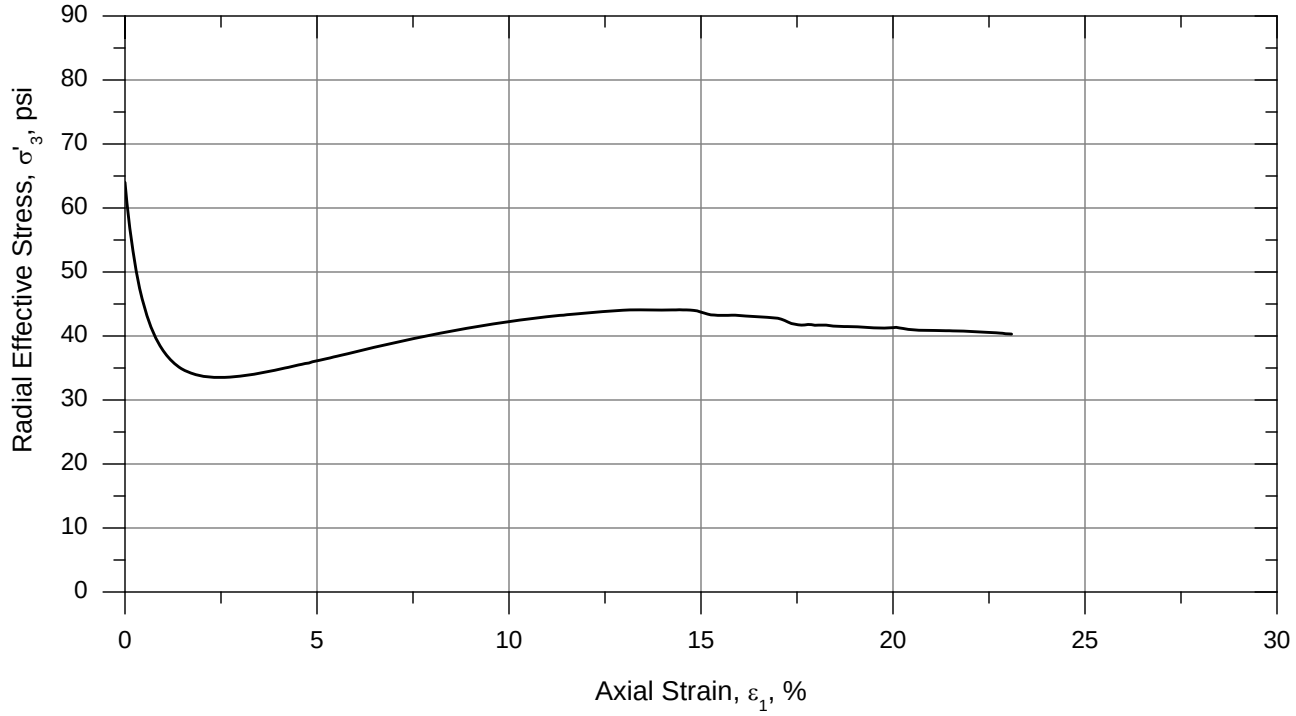




TRIAXIAL TEST RESULTS

BORING ID: 200-Series
TEST ID: 101





UNDRAINED TRIAXIAL COMPRESSION TEST RESULTS

AECOM

Project Name:	TVA Kingston Fossil Plant RC Analysis
Project No.:	60095742
Client:	Tennessee Valley Authority
Location:	Kingston, TN

Test ID:	102
Soil Boring:	200-Series
Sample No.	N/A
Soil Type:	Gray Fly Ash
USCS:	ML
Specific Gravity	2.33
Sample Type:	Reconstituted
Preparation:	Pluviation
Type of Test:	CIU-TXC

STAGE

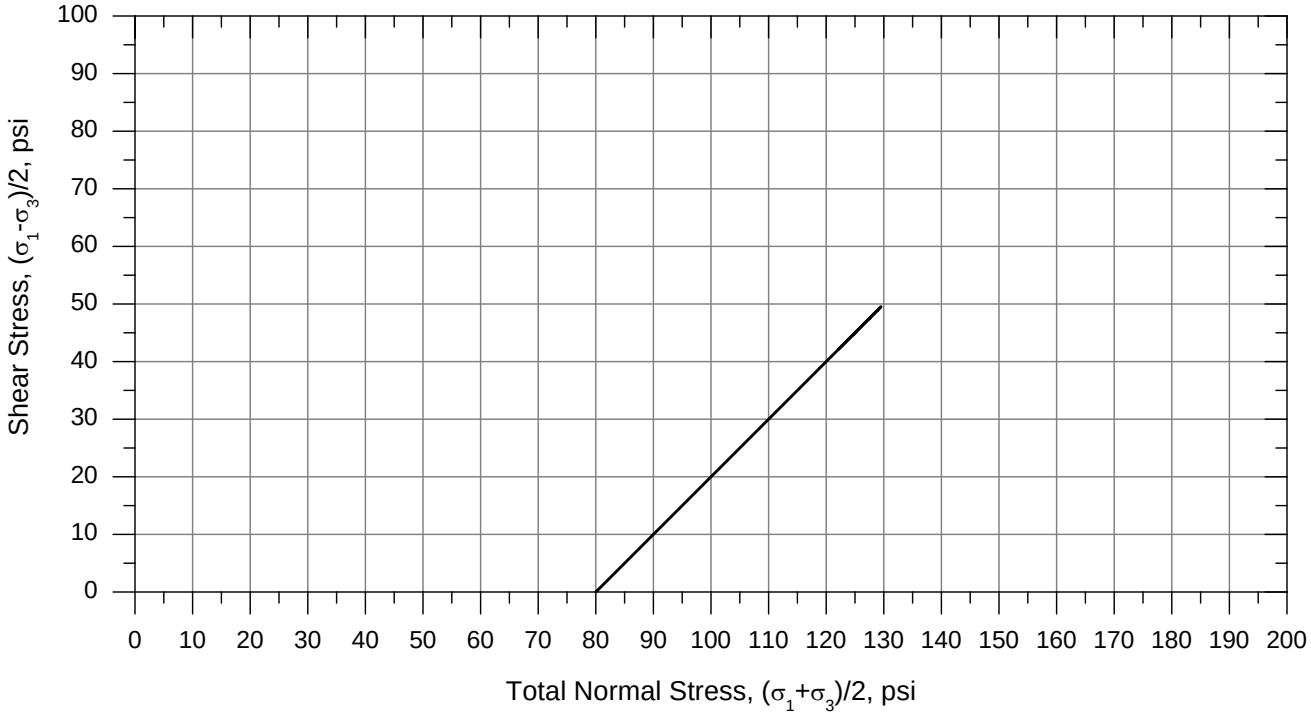
SATURATION	B (Skempton) value:	0.99
	Back Pressure, psi:	40.0
CONSOLIDATION	Type:	Isotropic
SHEAR	Type:	CIU-TXC
	Strain rate, %/min:	0.062
	Max. Mobilized Friction Angle, deg:	26.9
	Max. Deviator Stress, psi:	99.1

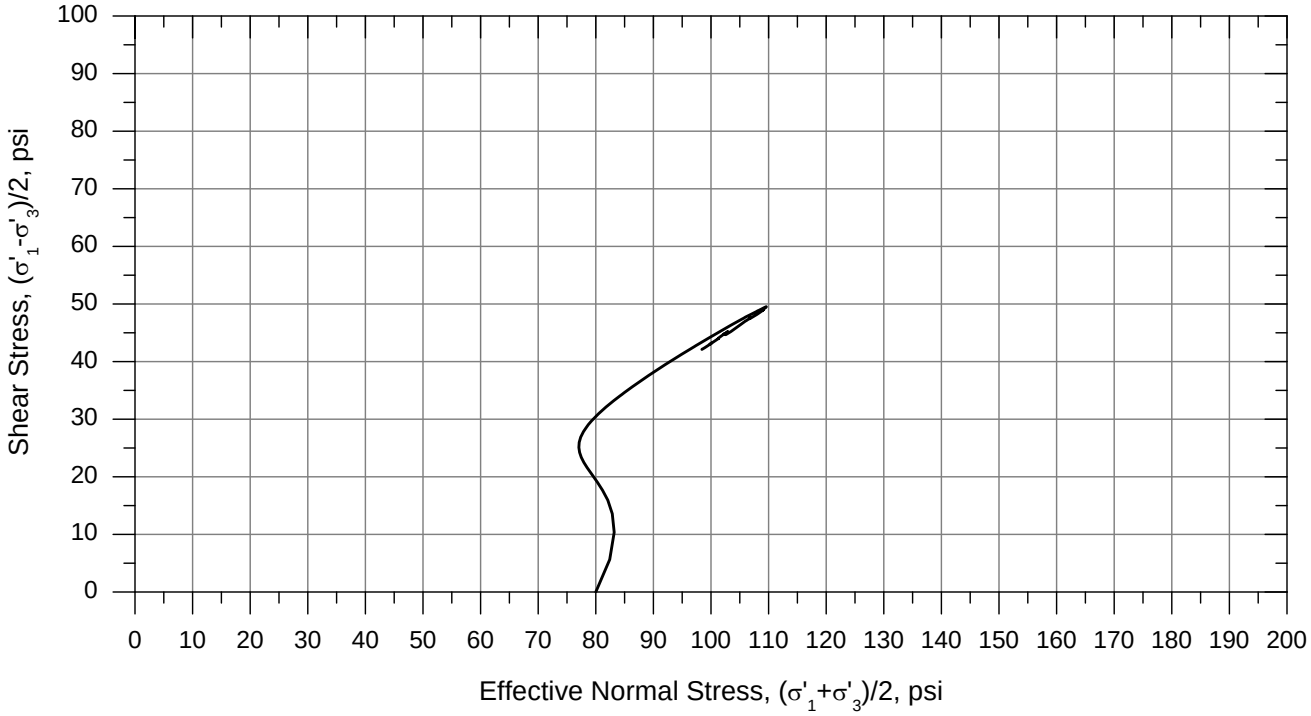
RESULTS

		CONSOLIDATION		SHEAR			
	INITIAL	INITIAL	FINAL	INITIAL	AT MAX STRESS RATIO	AT MAX DEVIATOR STRESS	FINAL
Height, mm:	159.8	159.7	158.7	158.7	138.6	137.8	122.3
Diameter, mm:	71.1	69.5	69.0	69.0	73.4	73.5	76.9
Axial Strain, %:		0.0	0.7	0.0	12.6	13.1	22.9
Volumetric Strain, %:		0.0	2.0	0.0	0.0	0.0	0.0
Deviator Stress, psi:		0.0	0.0	0.0	98.8	99.1	84.2
Vertical Effective Stress, psi:		4.0	80.0	80.0	158.7	159.2	140.5
Horizontal Effective Stress, psi:		4.0	80.0	80.0	59.9	60.1	56.3
Void Ratio:		0.79	0.75	0.75	0.75	0.75	0.75
Water Content, %:		33.8	32.3	32.3	32.3	32.3	32.3
Saturation, %:		100	100	100	100	100	100
Unit Weight, pcf:		108.8	109.8	109.8	109.8	109.8	109.8
Dry Unit Weight, pcf:		81.3	83.0	83.0	83.0	83.0	83.0

TRIAXIAL TEST RESULTS

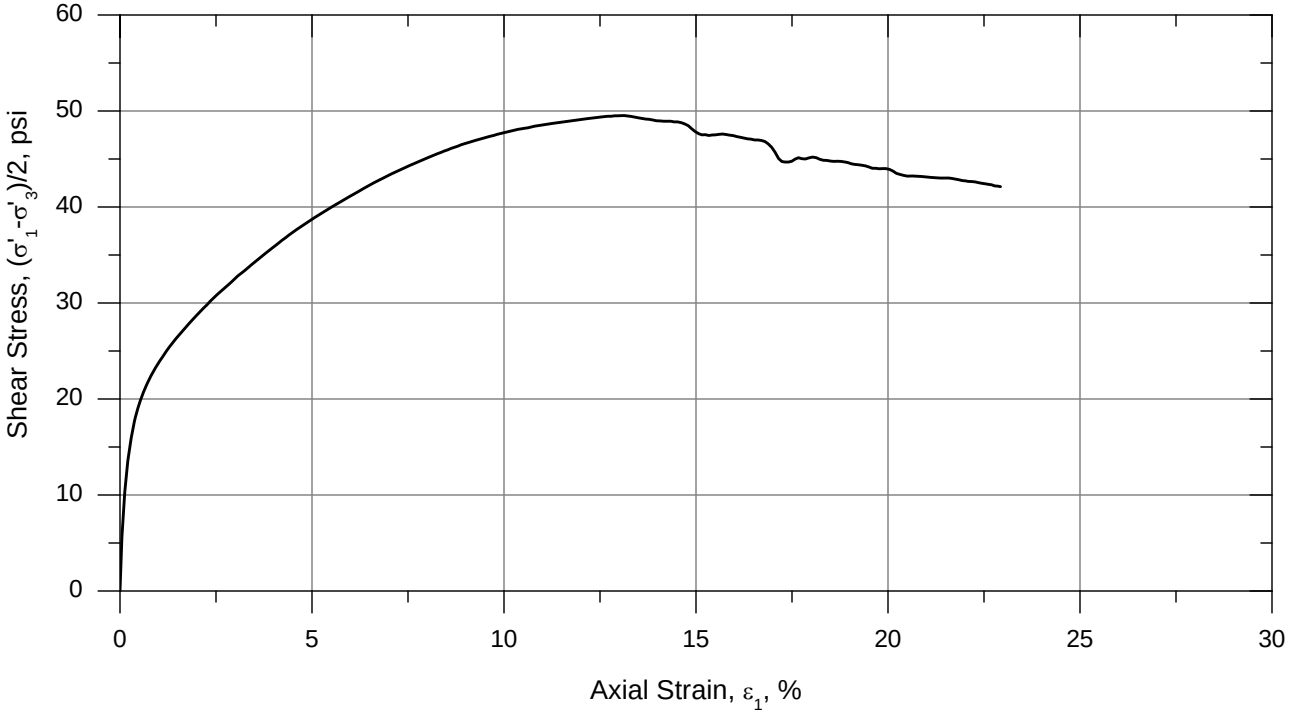
BORING ID: 200-Series
TEST ID: 102

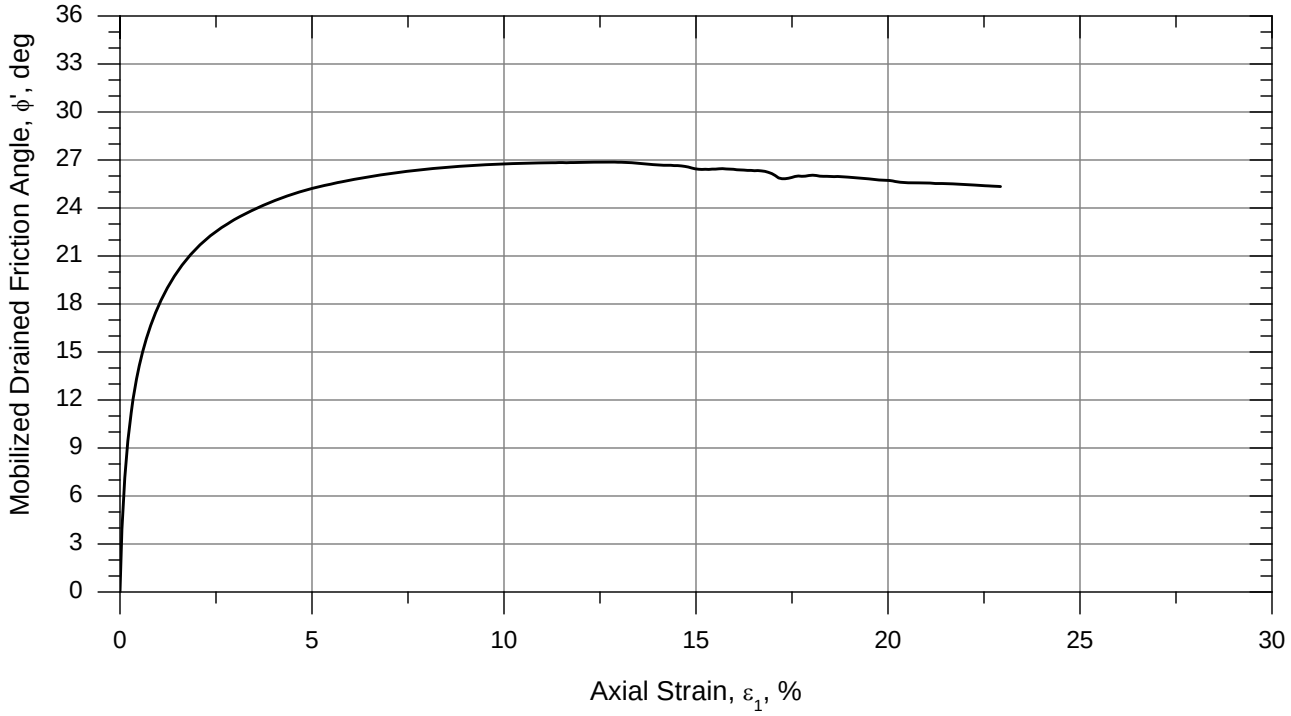




TRIAXIAL TEST RESULTS

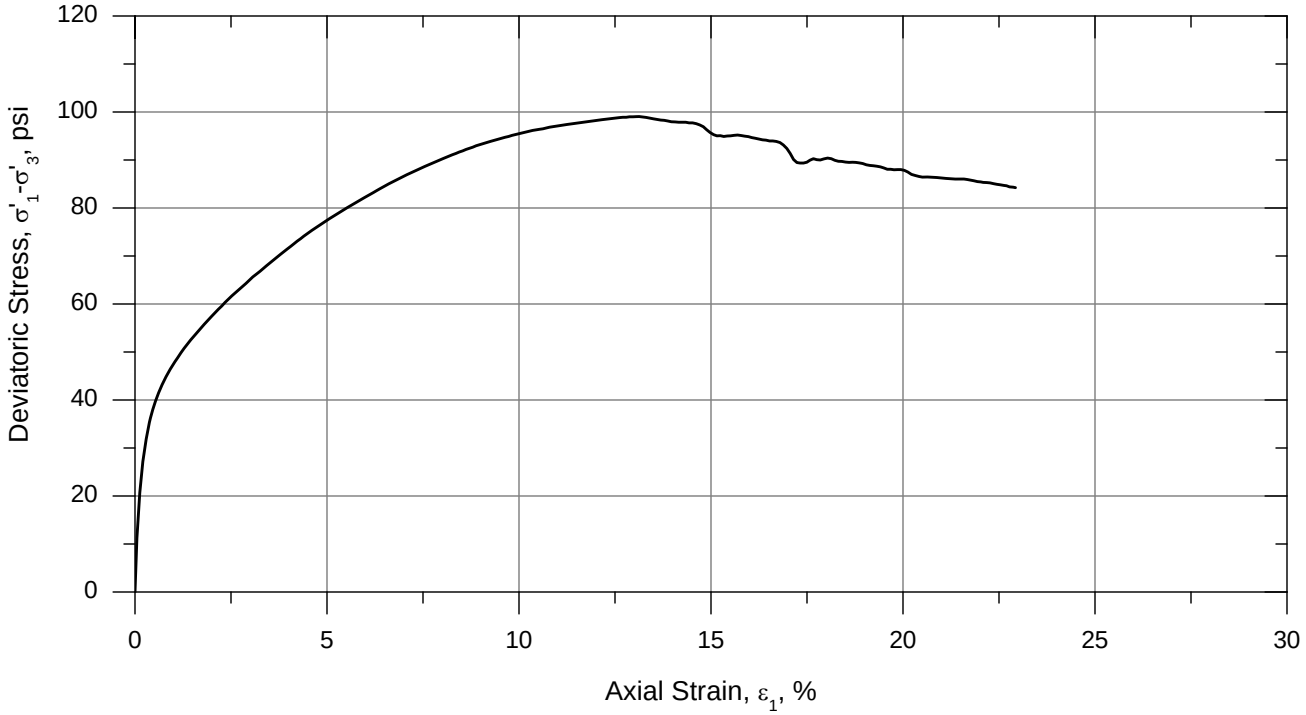
BORING ID: 200-Series
TEST ID: 102

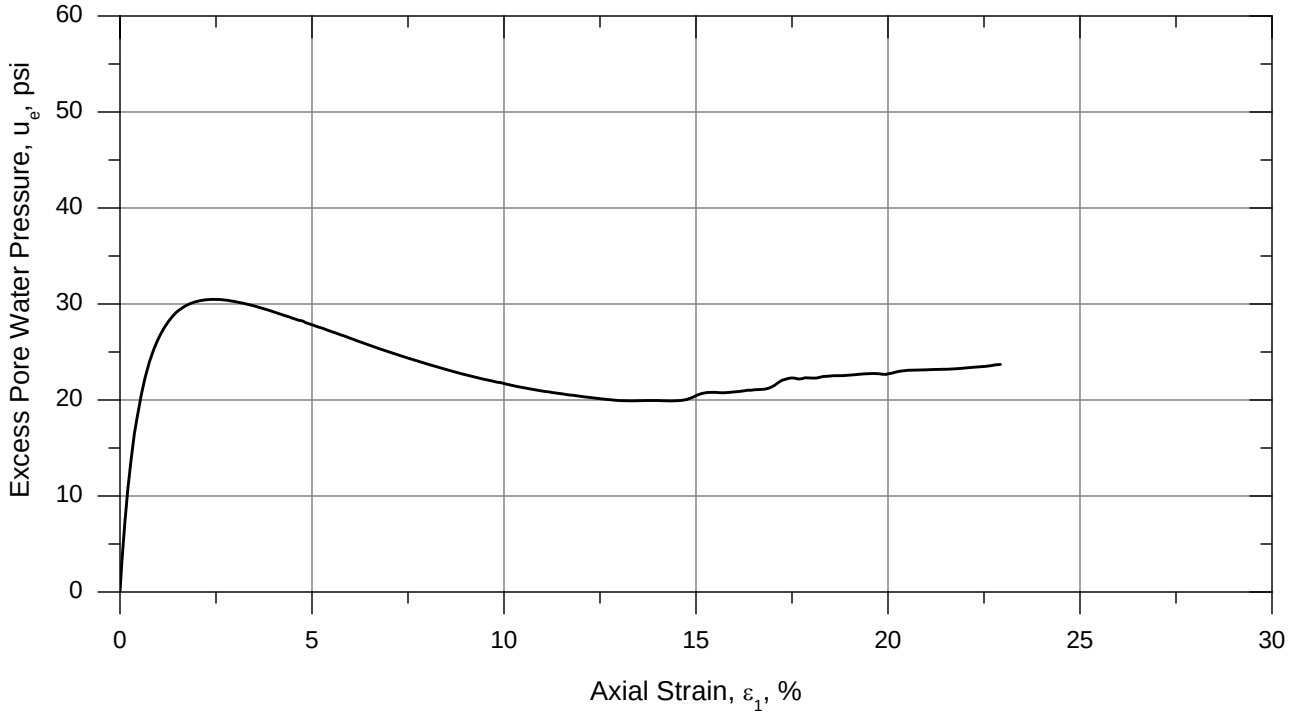




TRIAXIAL TEST RESULTS

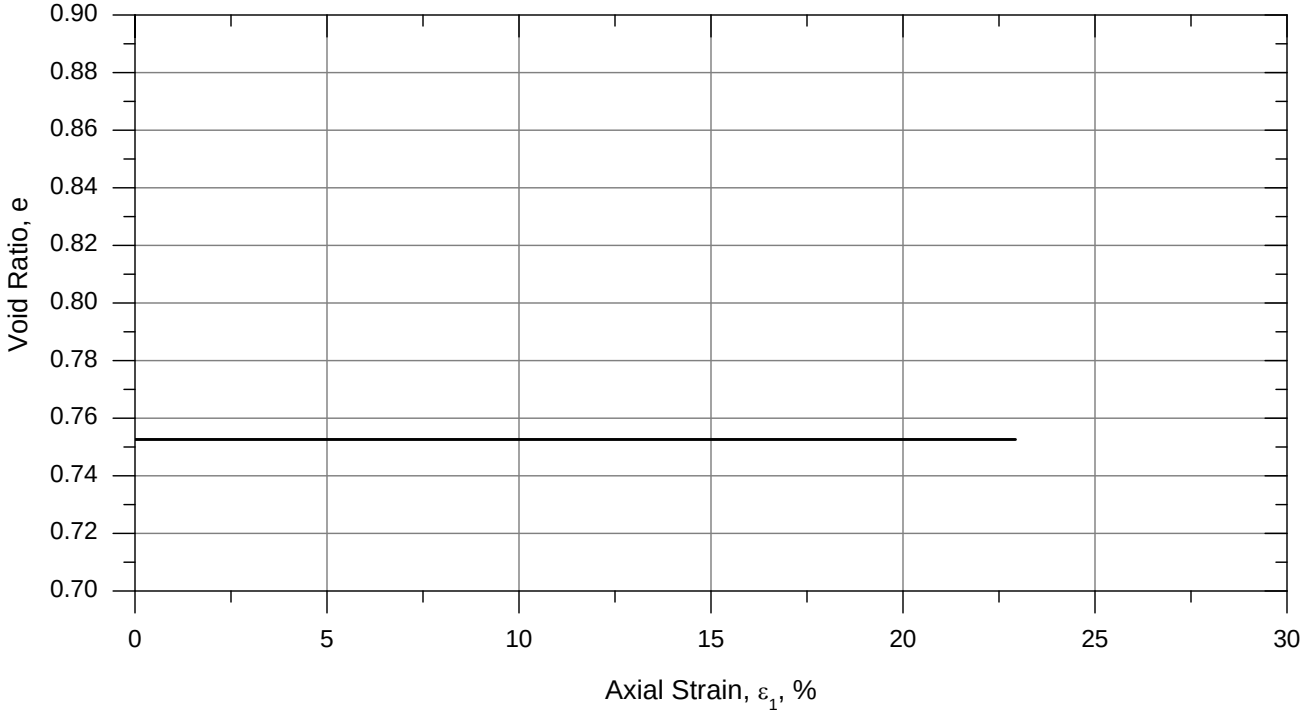
BORING ID: 200-Series
TEST ID: 102

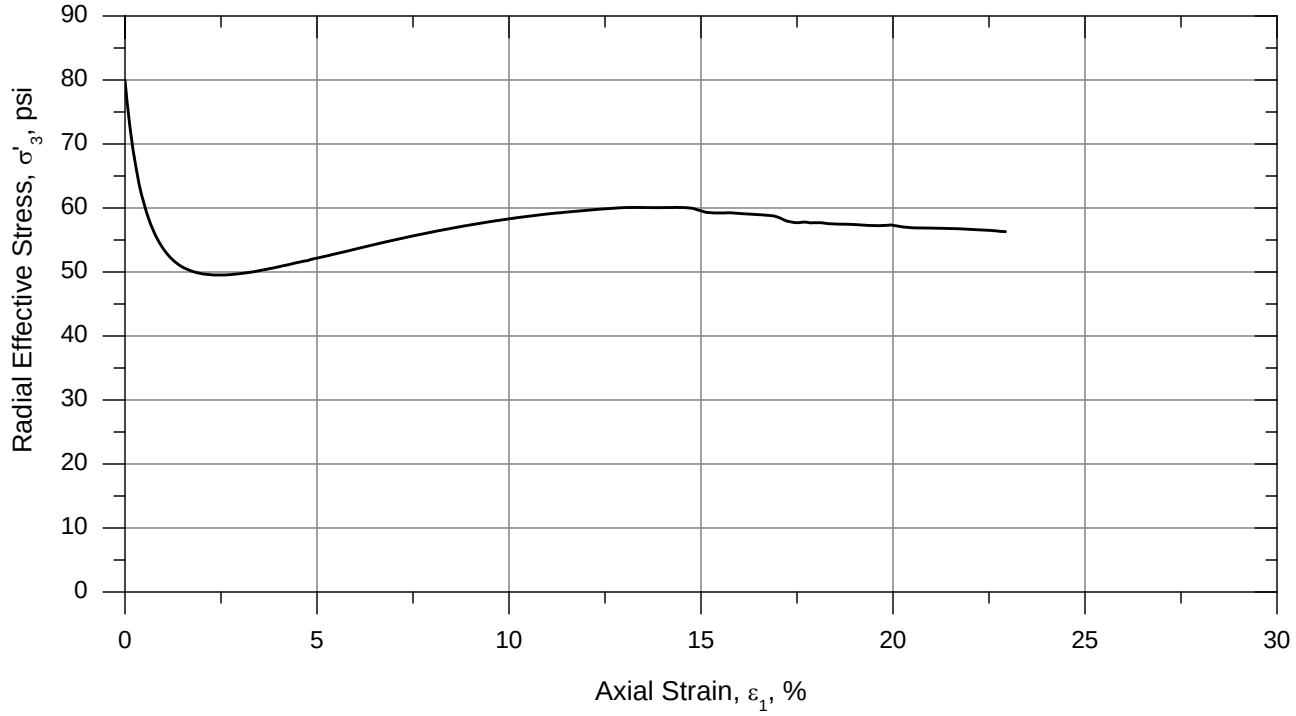




TRIAXIAL TEST RESULTS

BORING ID: 200-Series
TEST ID: 102





UNDRAINED TRIAXIAL COMPRESSION TEST RESULTS

AECOM

Project Name:	TVA Kingston Fossil Plant RC Analysis
Project No.:	60095742
Client:	Tennessee Valley Authority
Location:	Kingston, TN

Test ID:	108
Soil Boring:	200-Series
Sample No.	N/A
Soil Type:	Gray Fly Ash
USCS:	ML
Specific Gravity	2.33
Sample Type:	Reconstituted
Preparation:	Pluviation
Type of Test:	CIU-TXC

STAGE

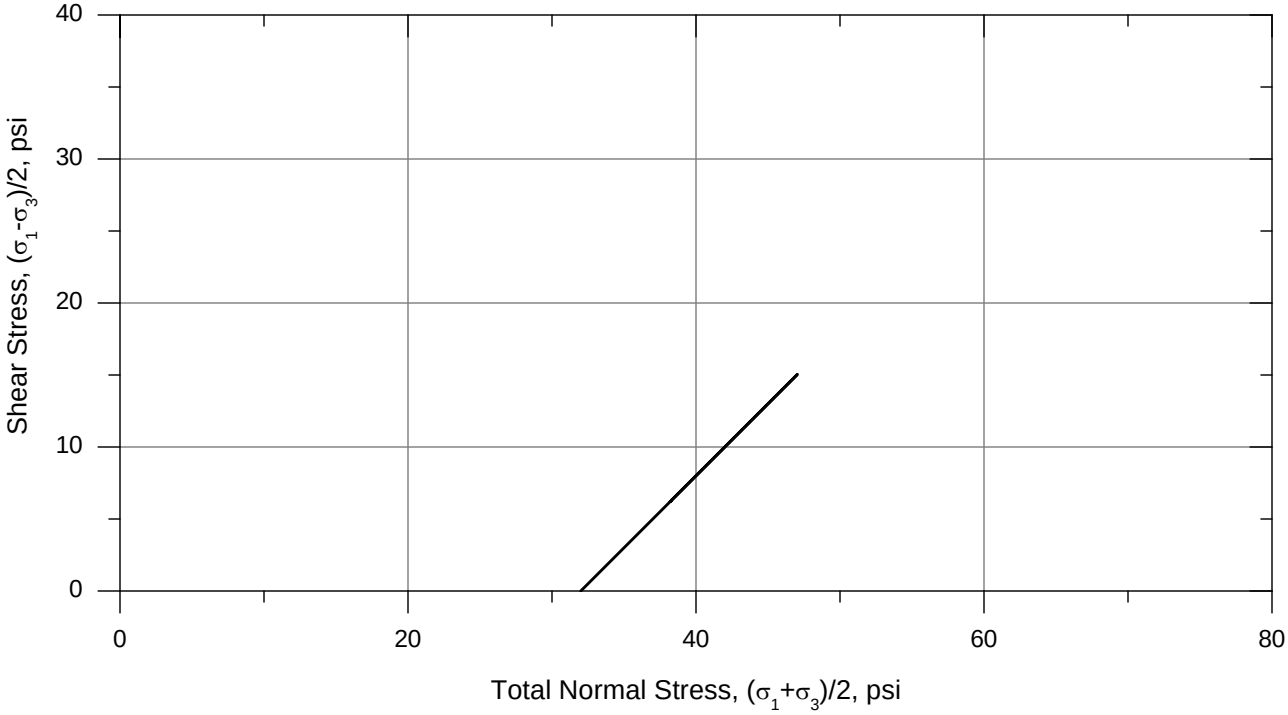
SATURATION	B (Skempton) value:	0.95
	Back Pressure, psi:	70.0
CONSOLIDATION	Type:	Isotropic
SHEAR	Type:	CIU-TXC
	Strain rate, %/min:	0.069
	Max. Mobilized Friction Angle, deg:	30.8
	Max. Deviator Stress, psi:	30.1

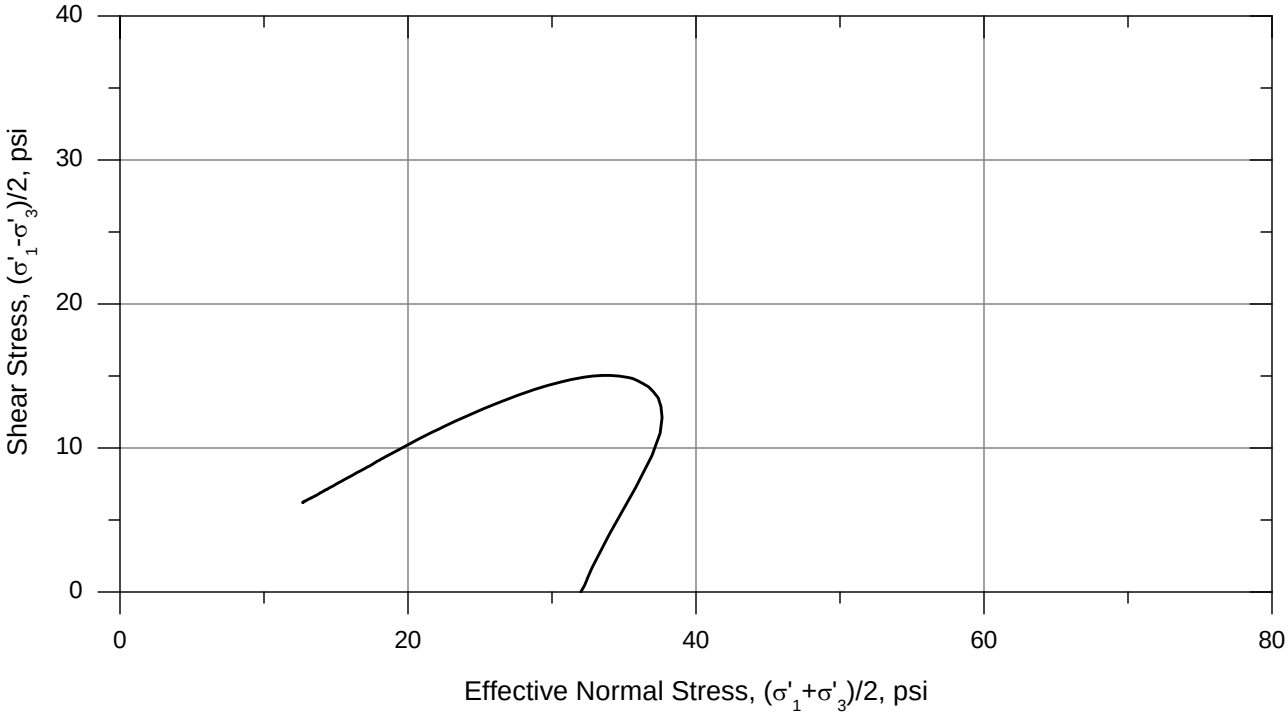
RESULTS

		CONSOLIDATION		SHEAR			
	INITIAL	INITIAL	FINAL	INITIAL	AT MAX STRESS RATIO	AT MAX DEVIATOR STRESS	FINAL
Height, mm:	155.0	153.7	152.1	152.1	136.6	148.7	106.3
Diameter, mm:	71.9	62.3	61.7	61.7	64.8	62.3	70.9
Axial Strain, %:		0.0	1.1	0.0	10.2	2.2	30.1
Volumetric Strain, %:		0.0	3.2	0.0	0.0	0.0	0.0
Deviator Stress, psi:		0.0	0.0	0.0	21.6	30.1	12.6
Vertical Effective Stress, psi:		4.0	32.0	32.0	31.8	48.7	19.1
Horizontal Effective Stress, psi:		4.0	32.0	32.0	10.2	18.7	6.5
Void Ratio:		0.87	0.81	0.81	0.81	0.81	0.81
Water Content, %:		37.3	34.7	34.7	34.7	34.7	34.7
Saturation, %:		100	100	100	100	100	100
Unit Weight, pcf:		106.8	108.3	108.3	108.3	108.3	108.3
Dry Unit Weight, pcf:		77.8	80.4	80.4	80.4	80.4	80.4

TRIAXIAL TEST RESULTS

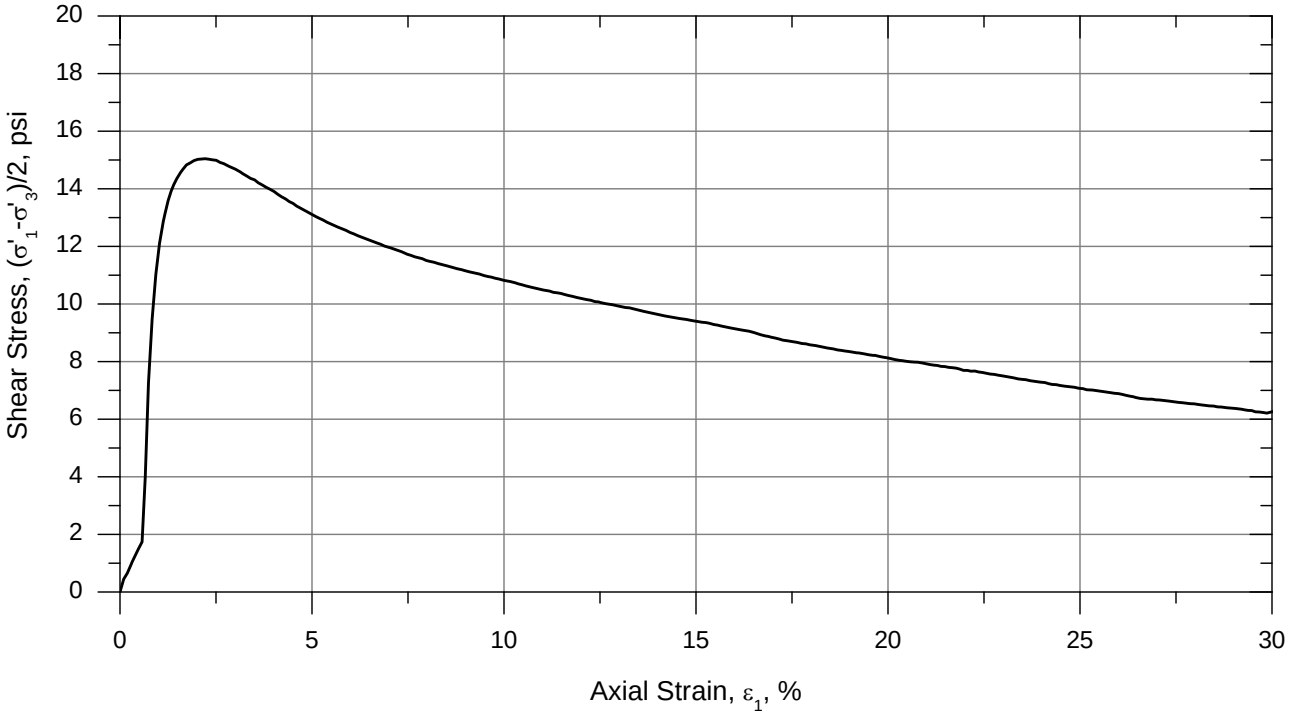
BORING ID: 200-Series
TEST ID: 108

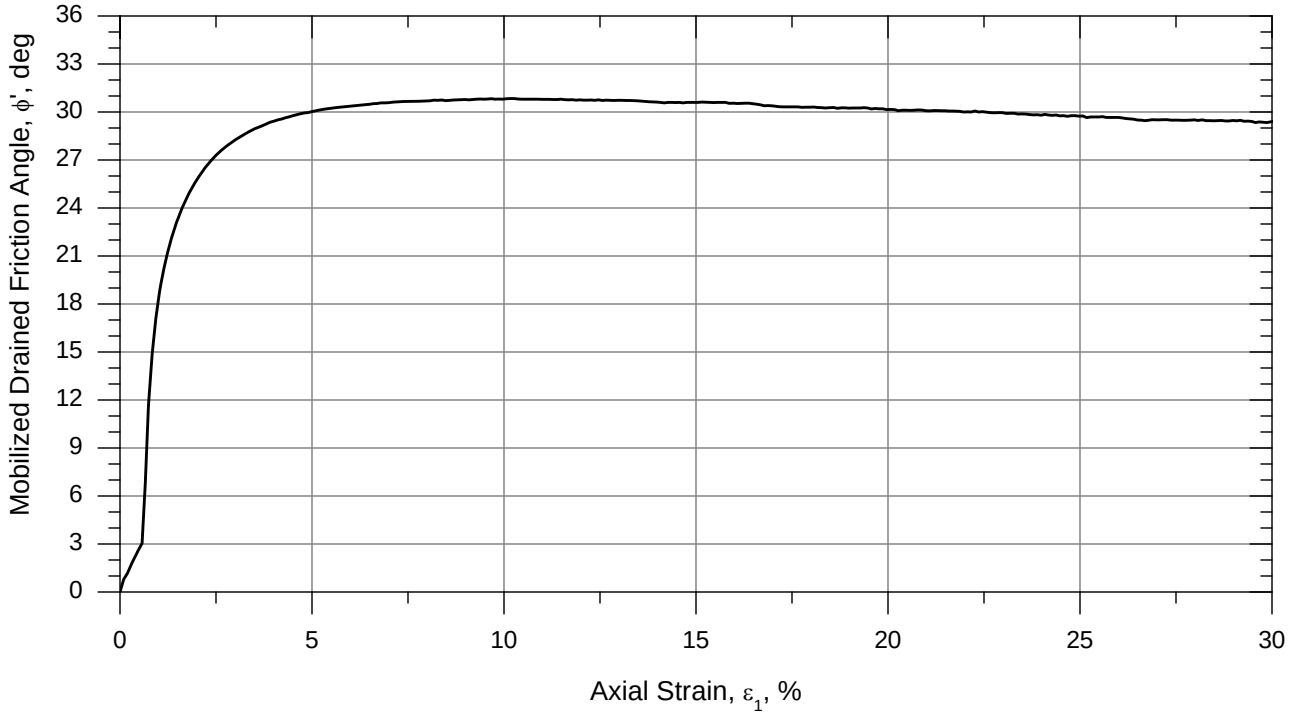




TRIAXIAL TEST RESULTS

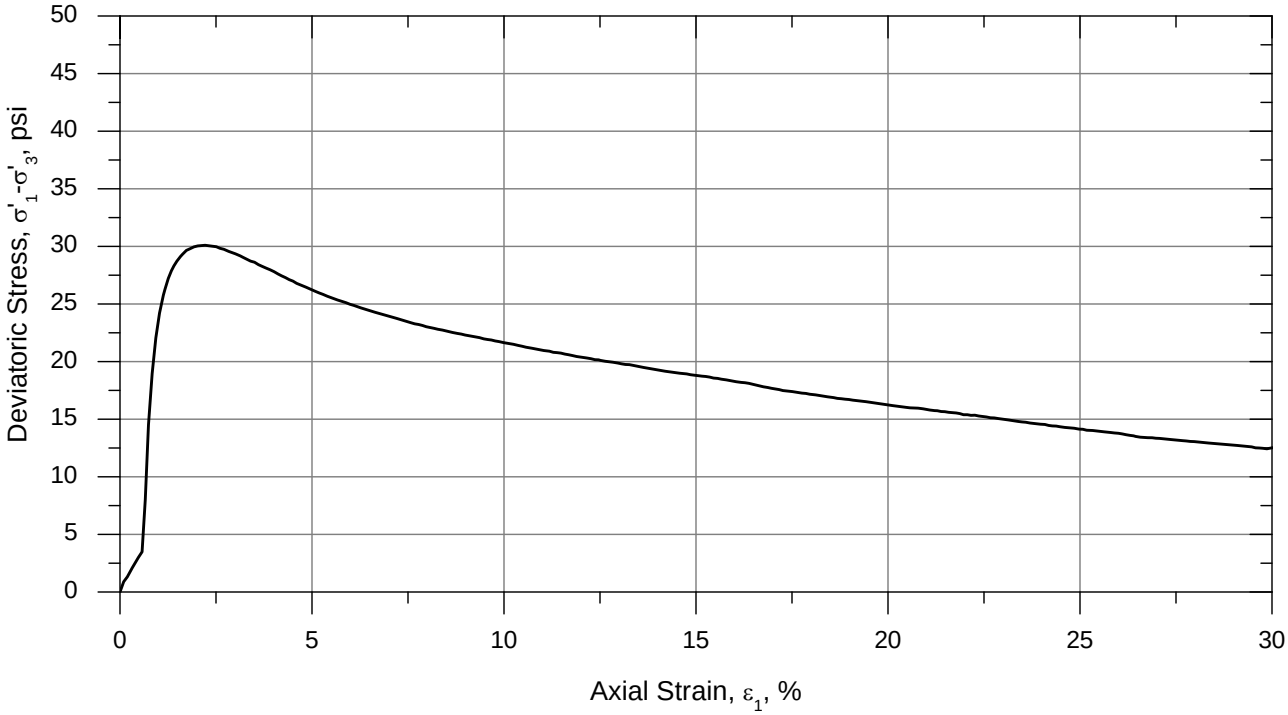
BORING ID: 200-Series
TEST ID: 108

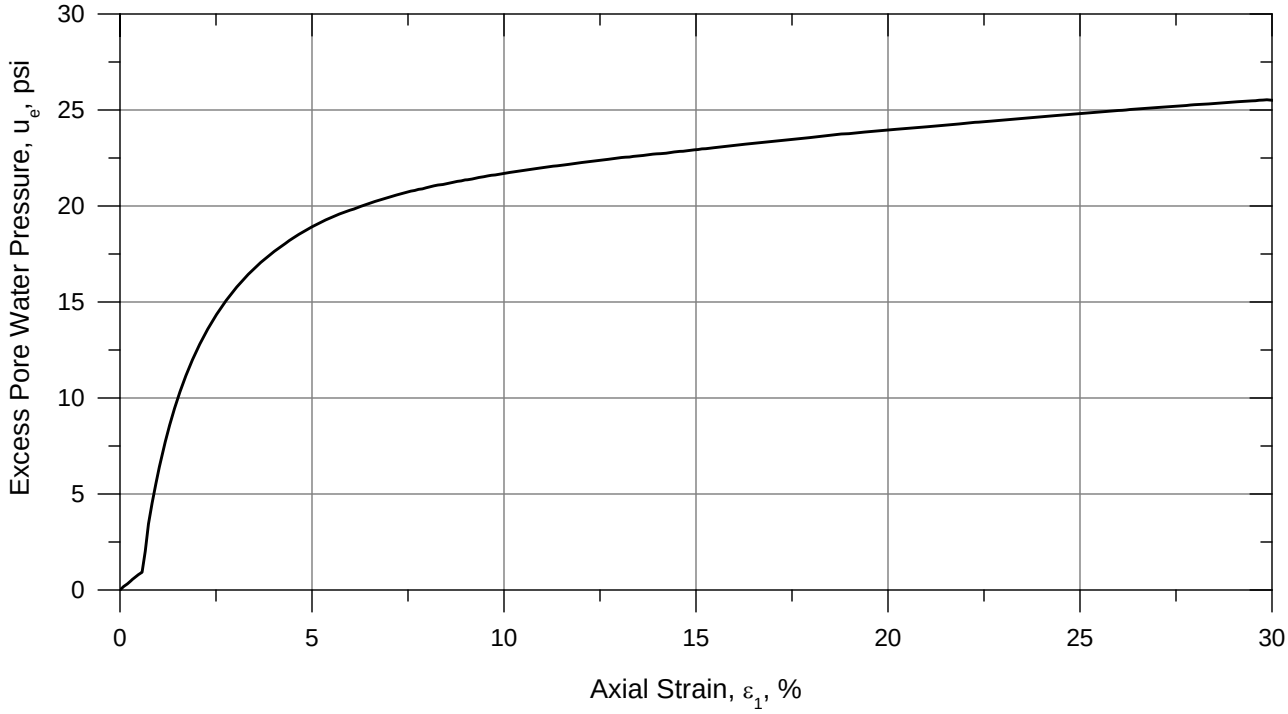




TRIAXIAL TEST RESULTS

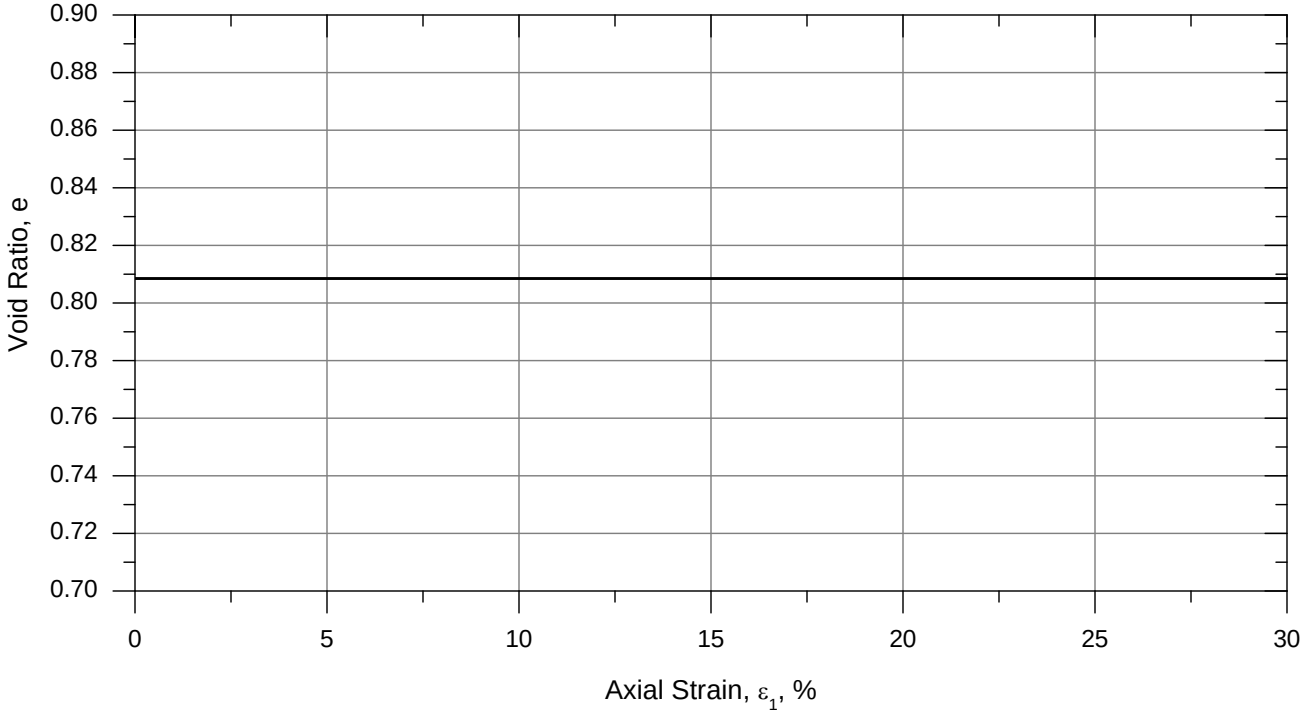
BORING ID: 200-Series
TEST ID: 108

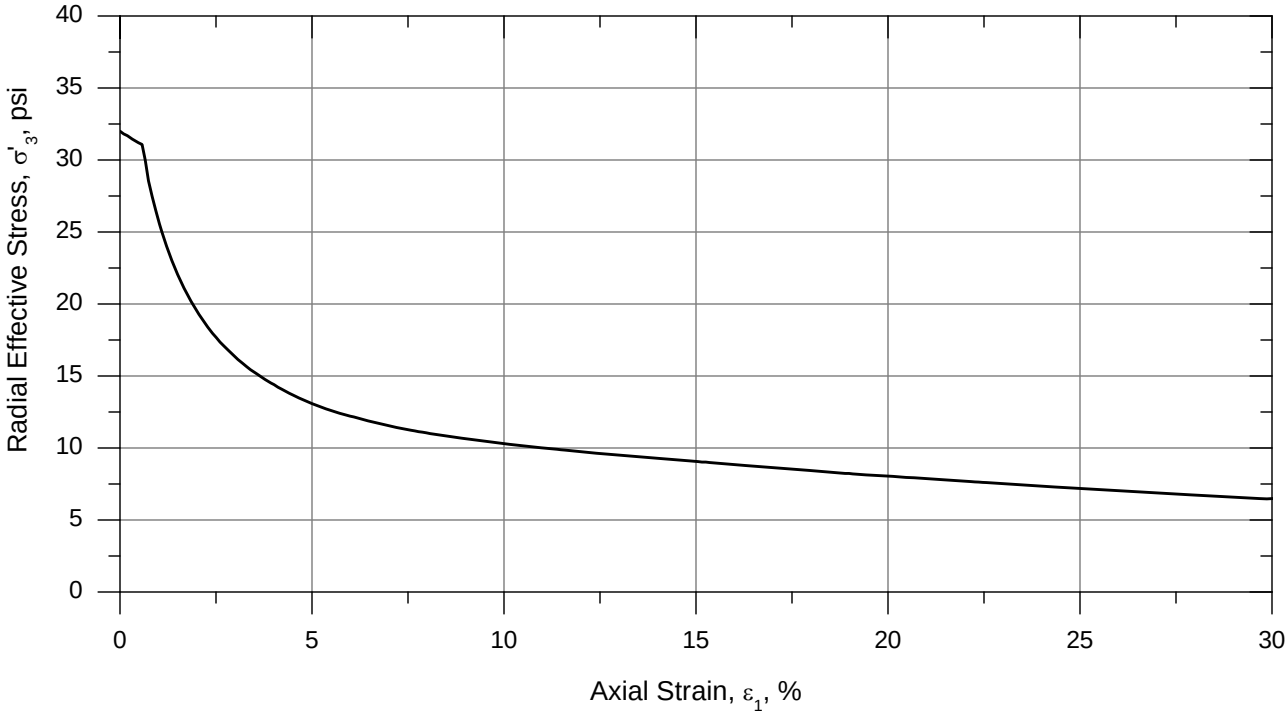




TRIAXIAL TEST RESULTS

BORING ID: 200-Series
TEST ID: 108





UNDRAINED TRIAXIAL COMPRESSION TEST RESULTS

AECOM

Project Name: TVA Kingston Fossil Plant RC Analysis
Project No.: 60095742
Client: Tennessee Valley Authority
Location: Kingston, TN

Test ID: 109
Soil Boring: 200-Series
Sample No. N/A
Soil Type: Gray Fly Ash
USCS: ML
Specific Gravity 2.33
Sample Type: Reconstituted
Preparation: Pluviation
Type of Test: CIU-TXC

STAGE

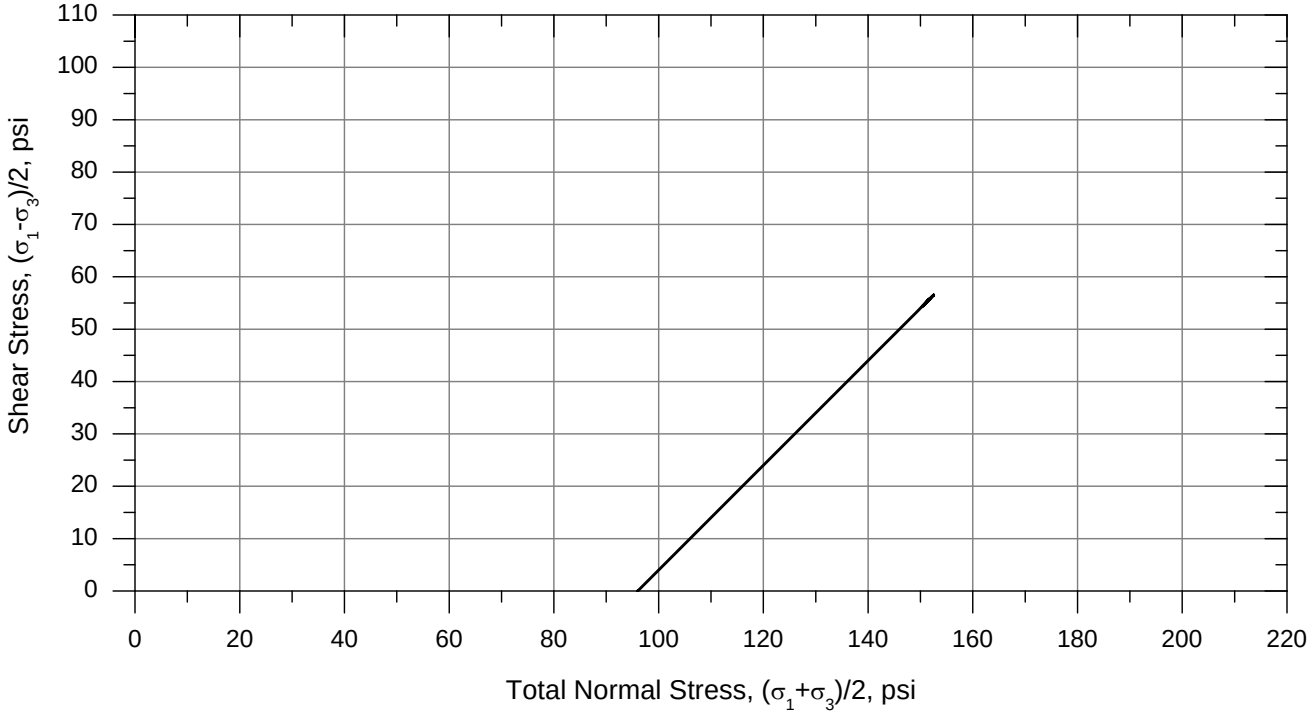
SATURATION	B (Skempton) value:	0.98
	Back Pressure, psi:	40.0
CONSOLIDATION	Type:	Isotropic
SHEAR	Type:	CIU-TXC
	Strain rate, %/min:	0.072
	Max. Mobilized Friction Angle, deg:	29.7
	Max. Deviator Stress, psi:	113.1

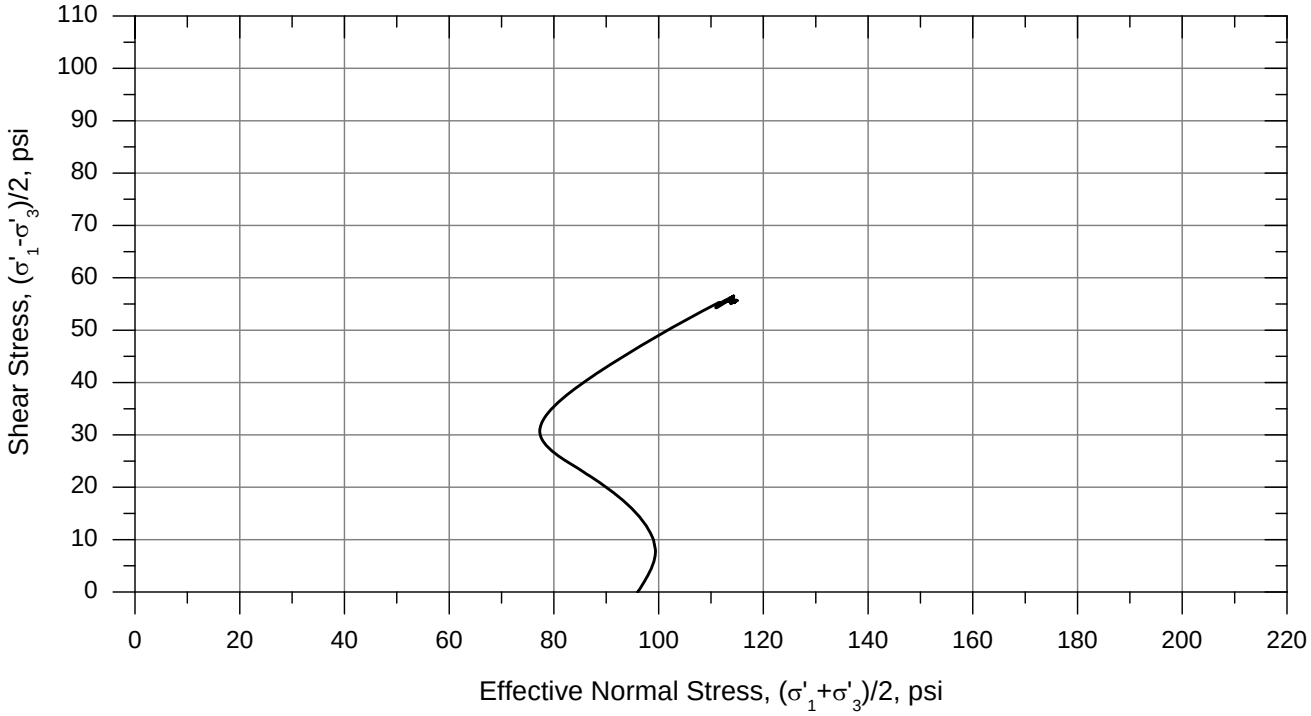
RESULTS

		CONSOLIDATION		SHEAR			
	INITIAL	INITIAL	FINAL	INITIAL	AT MAX STRESS RATIO	AT MAX DEVIATOR STRESS	FINAL
Height, mm:	147.4	147.2	146.1	146.1	132.6	127.5	107.9
Diameter, mm:	71.1	72.5	71.9	71.9	75.2	76.5	81.3
Axial Strain, %:		0.0	0.8	0.0	9.2	12.8	26.2
Volumetric Strain, %:		0.0	2.3	0.0	0.0	0.0	0.0
Deviator Stress, psi:		0.0	0.0	0.0	110.3	113.1	111.1
Vertical Effective Stress, psi:		4.0	96.0	96.0	166.4	170.9	170.2
Horizontal Effective Stress, psi:		4.0	96.0	96.0	56.1	57.8	59.2
Void Ratio:		0.77	0.73	0.73	0.73	0.73	0.73
Water Content, %:		32.9	31.2	31.2	31.2	31.2	31.2
Saturation, %:		100	100	100	100	100	100
Unit Weight, pcf:		109.4	110.5	110.5	110.5	110.5	110.5
Dry Unit Weight, pcf:		82.3	84.2	84.2	84.2	84.2	84.2

TRIAXIAL TEST RESULTS

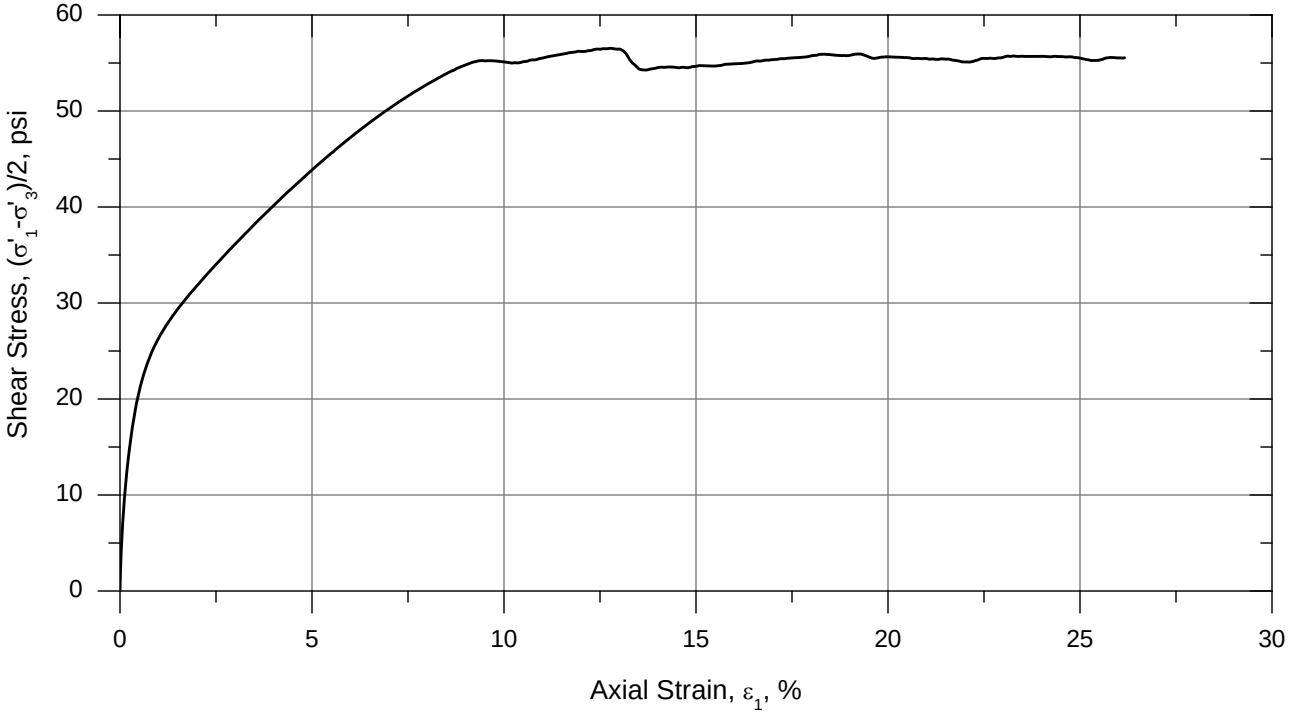
BORING ID: 200-Series
TEST ID: 109

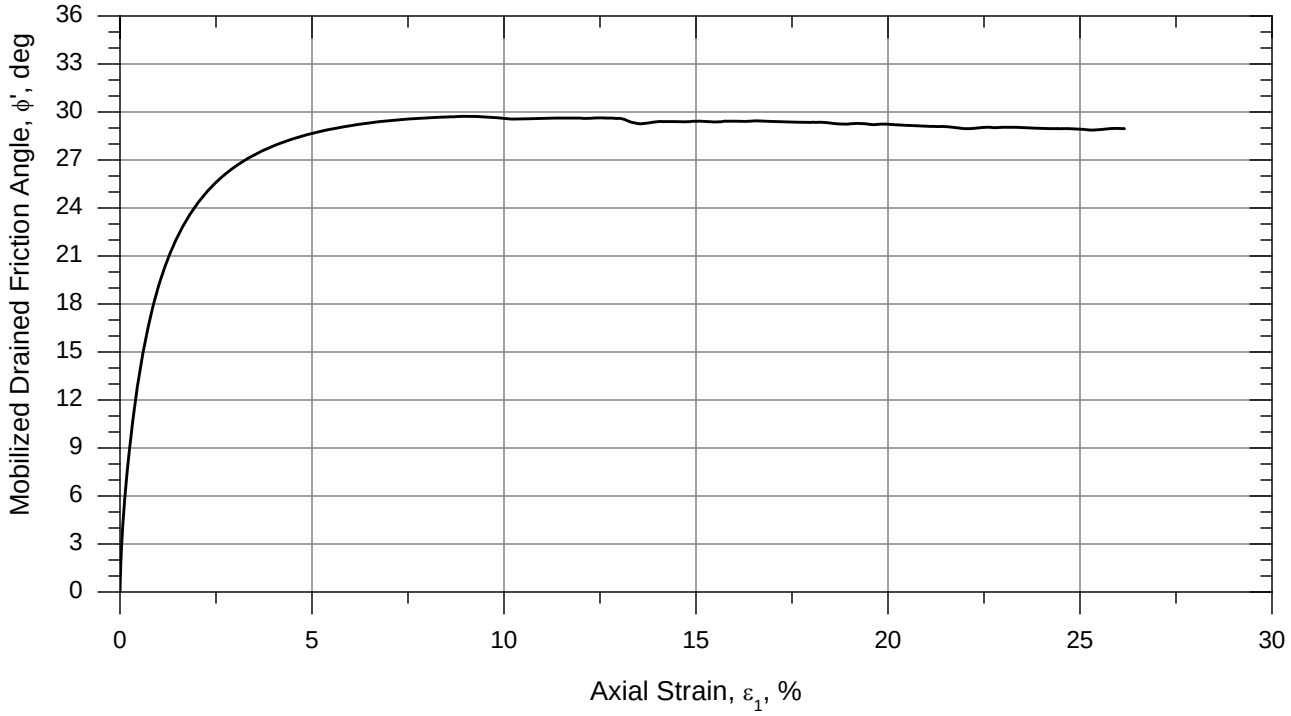




TRIAXIAL TEST RESULTS

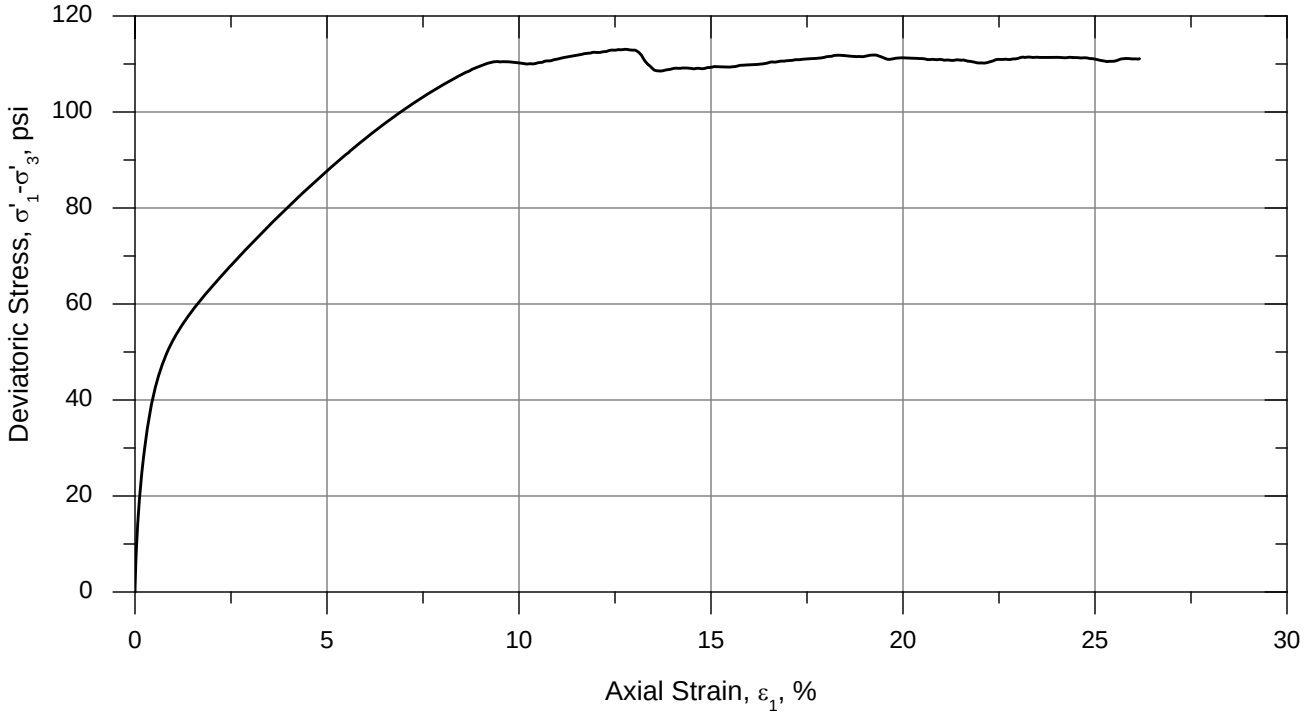
BORING ID: 200-Series
TEST ID: 109

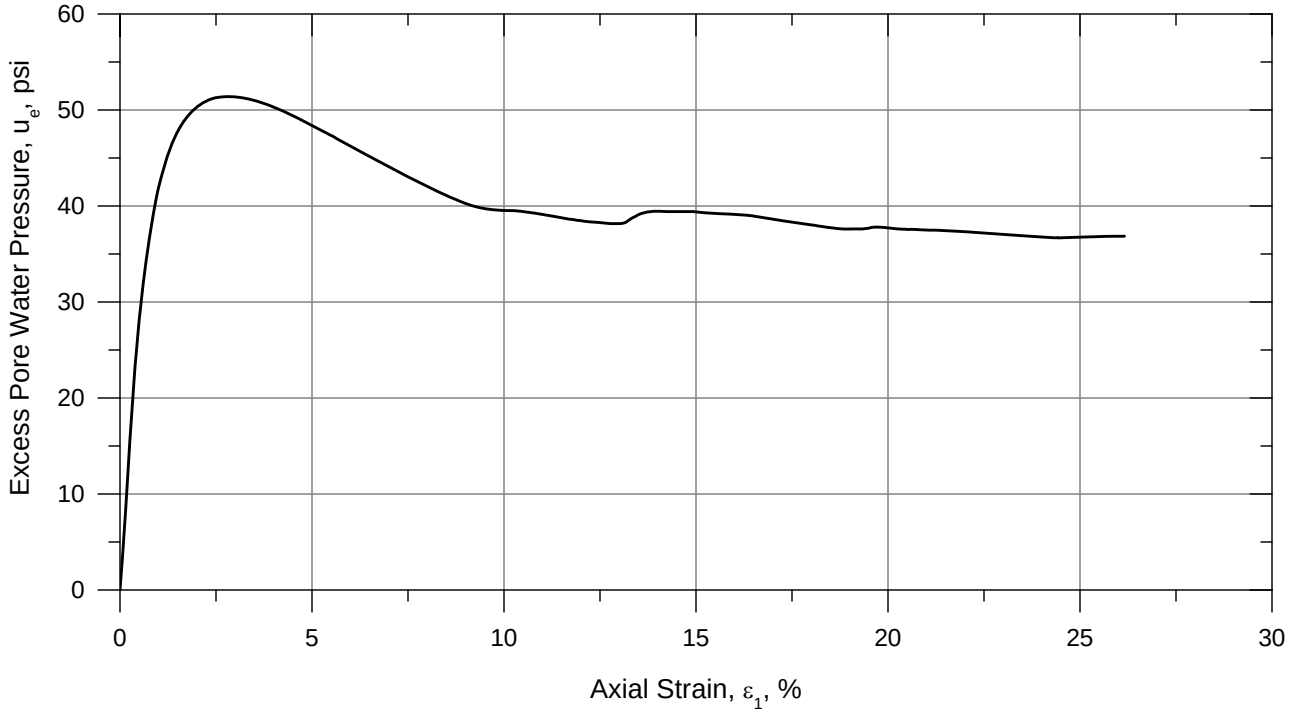




TRIAXIAL TEST RESULTS

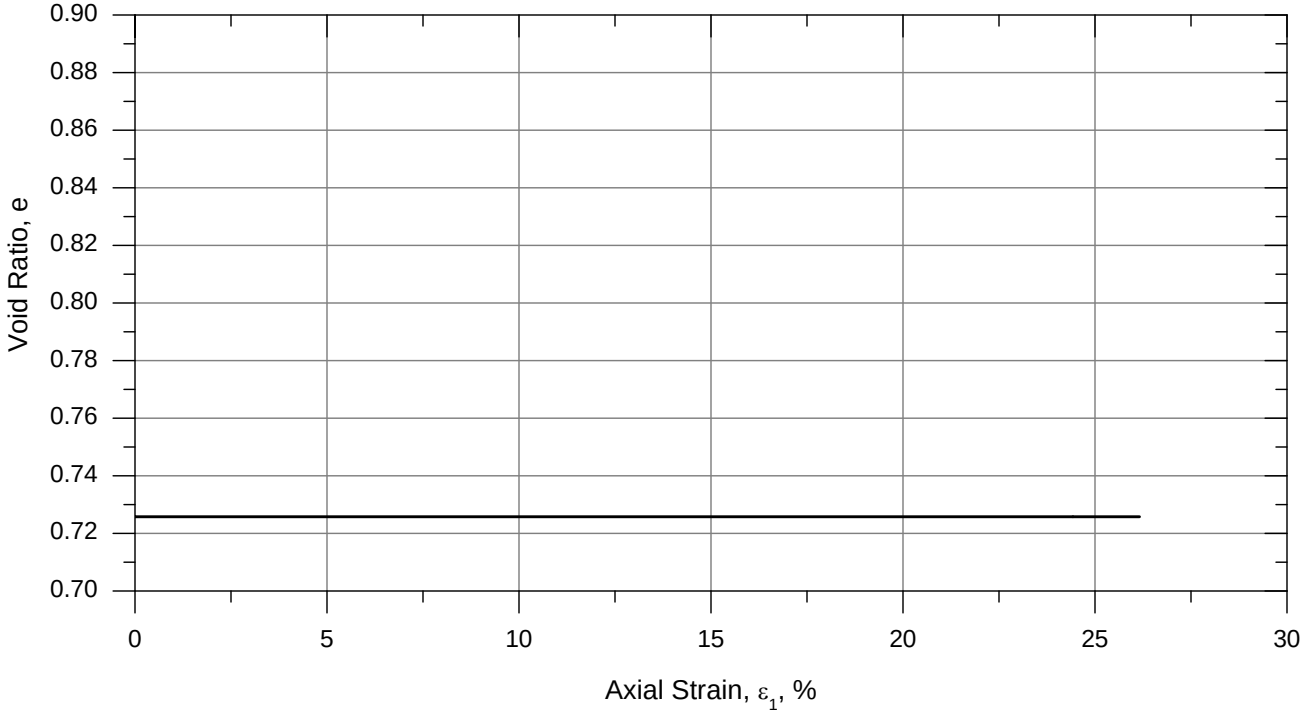
BORING ID: 200-Series
TEST ID: 109

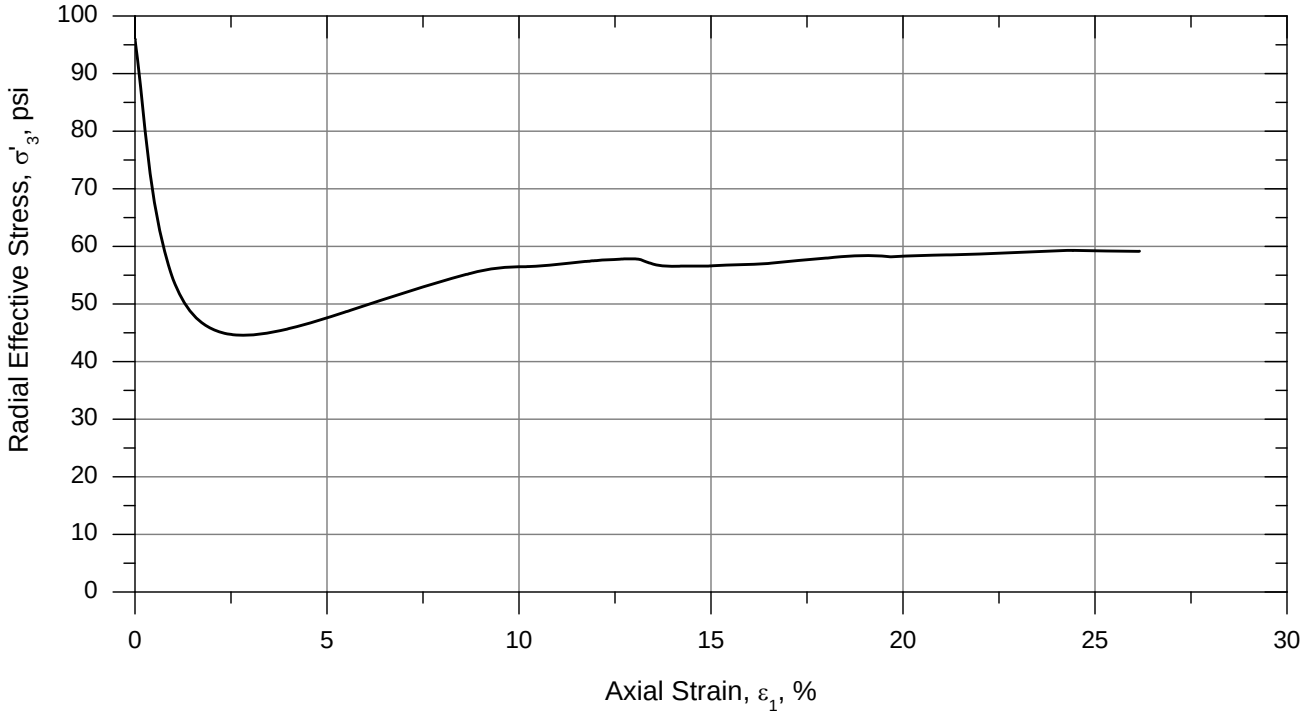




TRIAXIAL TEST RESULTS

BORING ID: 200-Series
TEST ID: 109





UNDRAINED TRIAXIAL COMPRESSION TEST RESULTS

AECOM

Project Name: TVA Kingston Fossil Plant RC Analysis
Project No.: 60095742
Client: Tennessee Valley Authority
Location: Kingston, TN

Test ID: 110
Soil Boring: 200-Series
Sample No. N/A
Soil Type: Gray Fly Ash
USCS: ML
Specific Gravity 2.33
Sample Type: Reconstituted
Preparation: Pluviation
Type of Test: CIU-TXC

STAGE

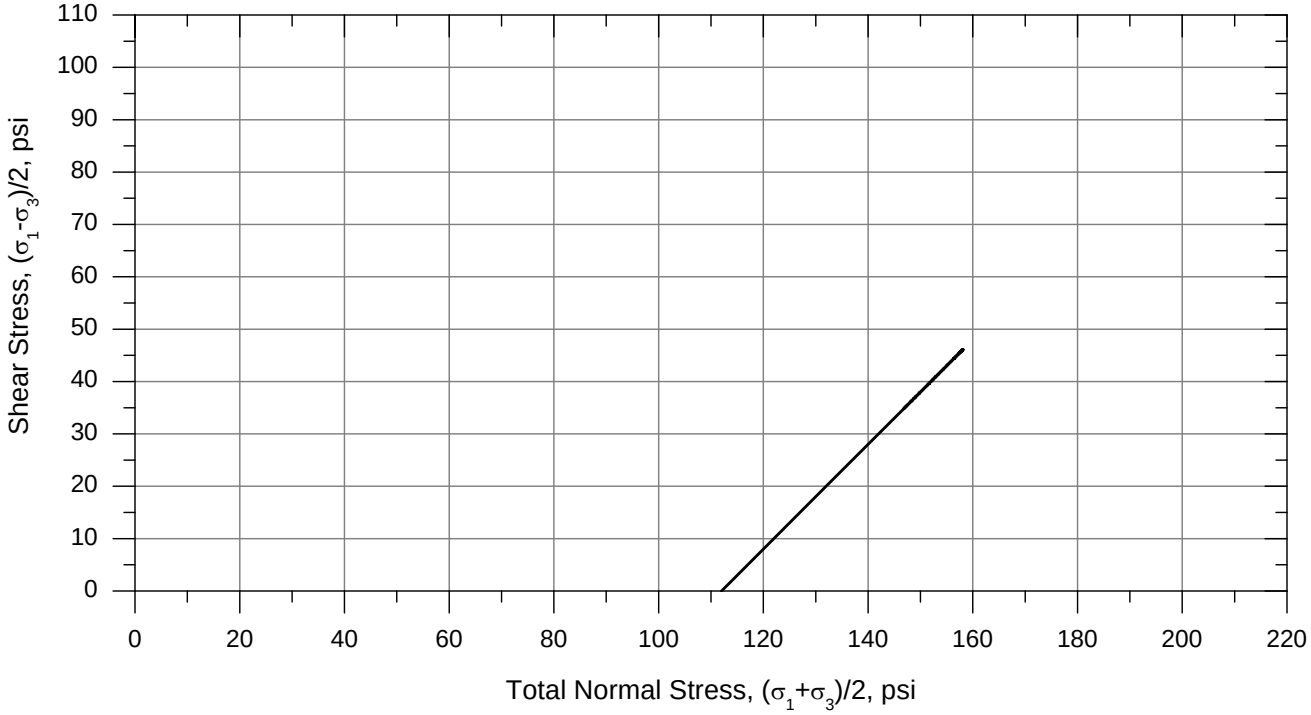
SATURATION	B (Skempton) value:	1.00
	Back Pressure, psi:	40.0
CONSOLIDATION	Type:	Isotropic
SHEAR	Type:	CIU-TXC
	Strain rate, %/min:	0.068
	Max. Mobilized Friction Angle, deg:	32.2
	Max. Deviator Stress, psi:	92.2

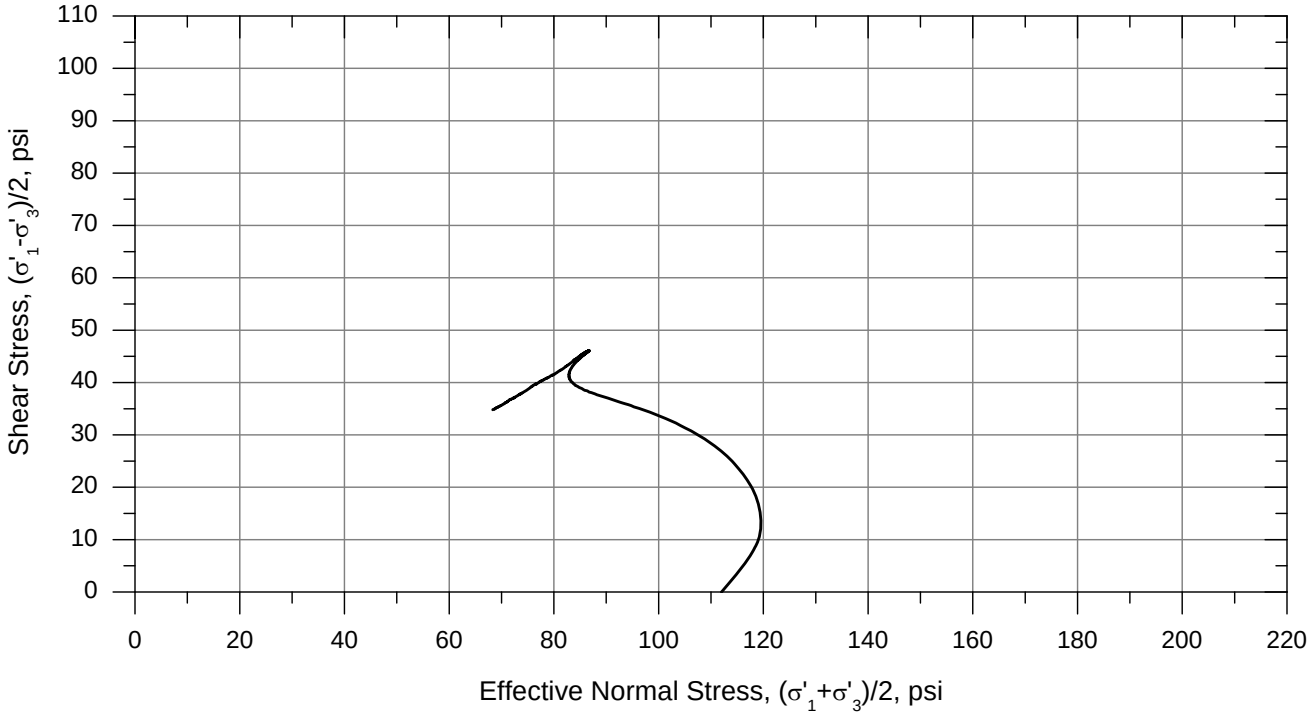
RESULTS

		CONSOLIDATION		SHEAR			
	INITIAL	INITIAL	FINAL	INITIAL	AT MAX STRESS RATIO	AT MAX DEVIATOR STRESS	FINAL
Height, mm:	146.2	146.3	144.9	144.9	125.5	129.8	101.4
Diameter, mm:	71.1	67.7	67.1	67.1	71.5	70.6	77.1
Axial Strain, %:		0.0	1.0	0.0	13.4	10.4	30.0
Volumetric Strain, %:		0.0	2.9	0.0	0.0	0.0	0.0
Deviator Stress, psi:		0.0	0.0	0.0	91.6	92.2	69.6
Vertical Effective Stress, psi:		4.0	112.0	112.0	131.8	132.8	103.1
Horizontal Effective Stress, psi:		4.0	112.0	112.0	40.2	40.6	33.5
Void Ratio:		0.62	0.57	0.57	0.57	0.57	0.57
Water Content, %:		26.4	24.4	24.4	24.4	24.4	24.4
Saturation, %:		100	100	100	100	100	100
Unit Weight, pcf:		113.8	115.3	115.3	115.3	115.3	115.3
Dry Unit Weight, pcf:		90.0	92.7	92.7	92.7	92.7	92.7

TRIAXIAL TEST RESULTS

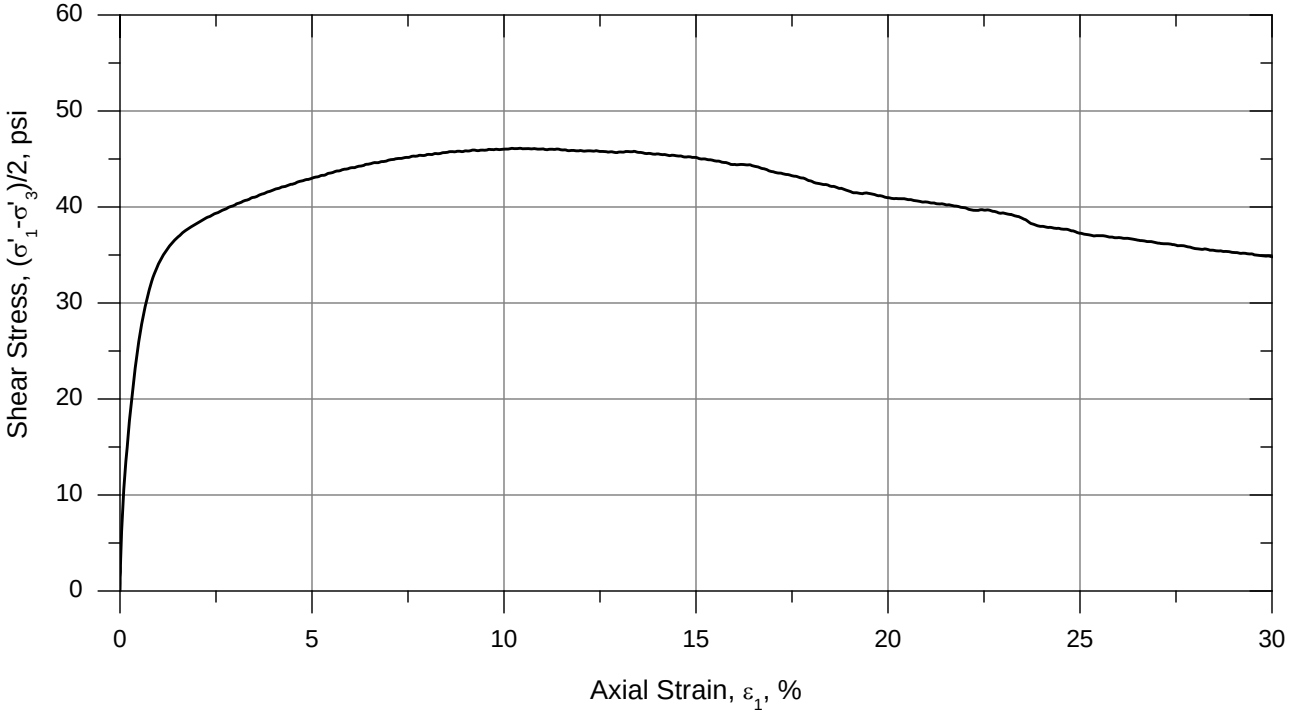
BORING ID: 200-Series
TEST ID: 110

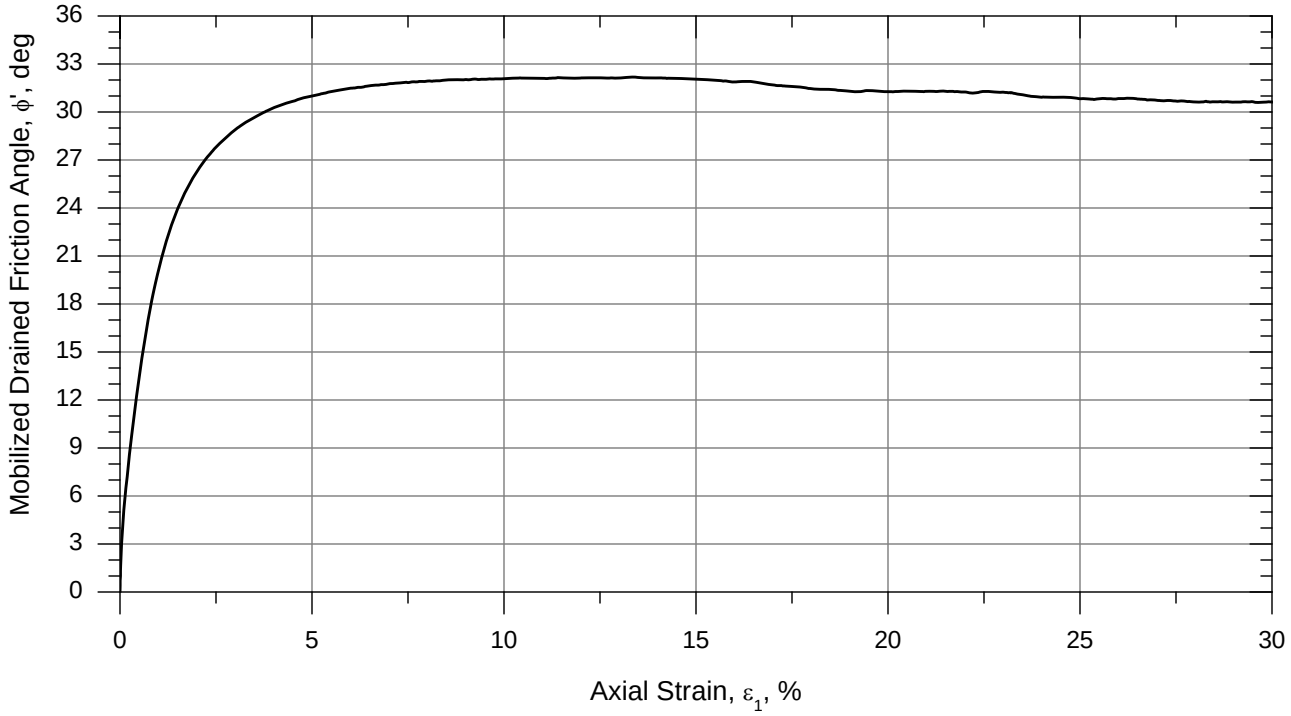




TRIAXIAL TEST RESULTS

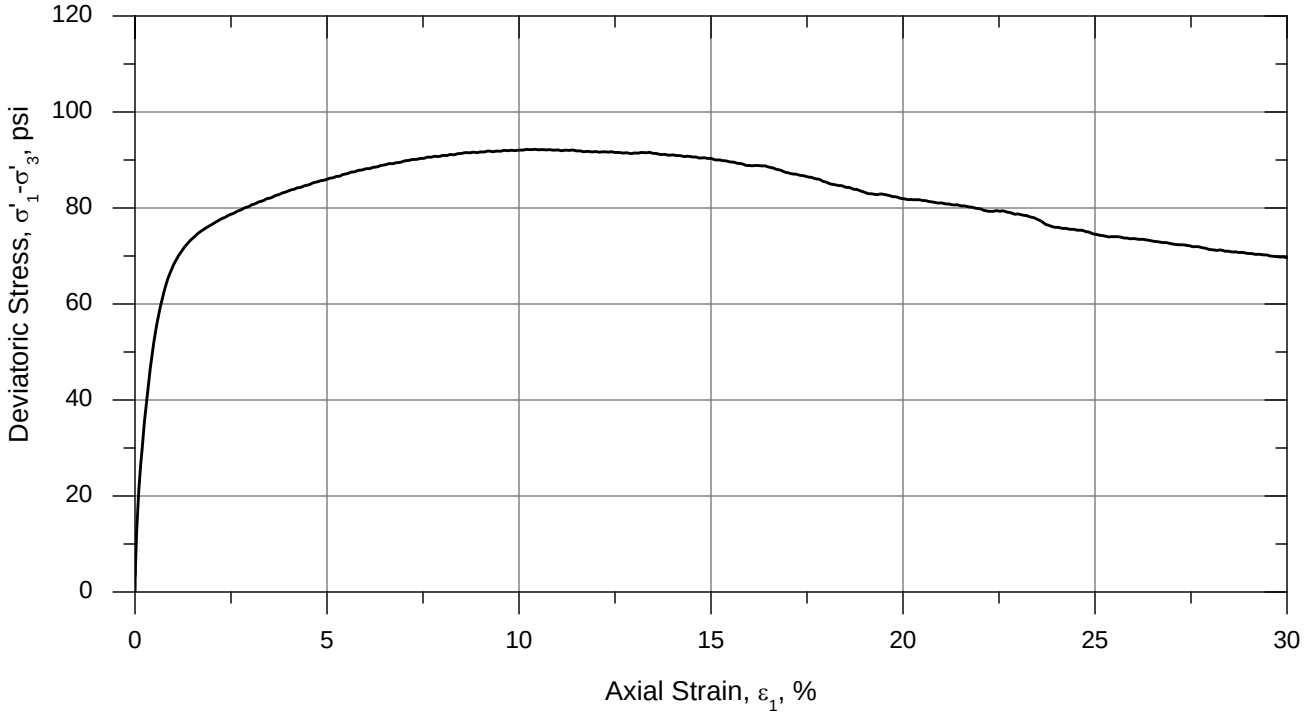
BORING ID: 200-Series
TEST ID: 110

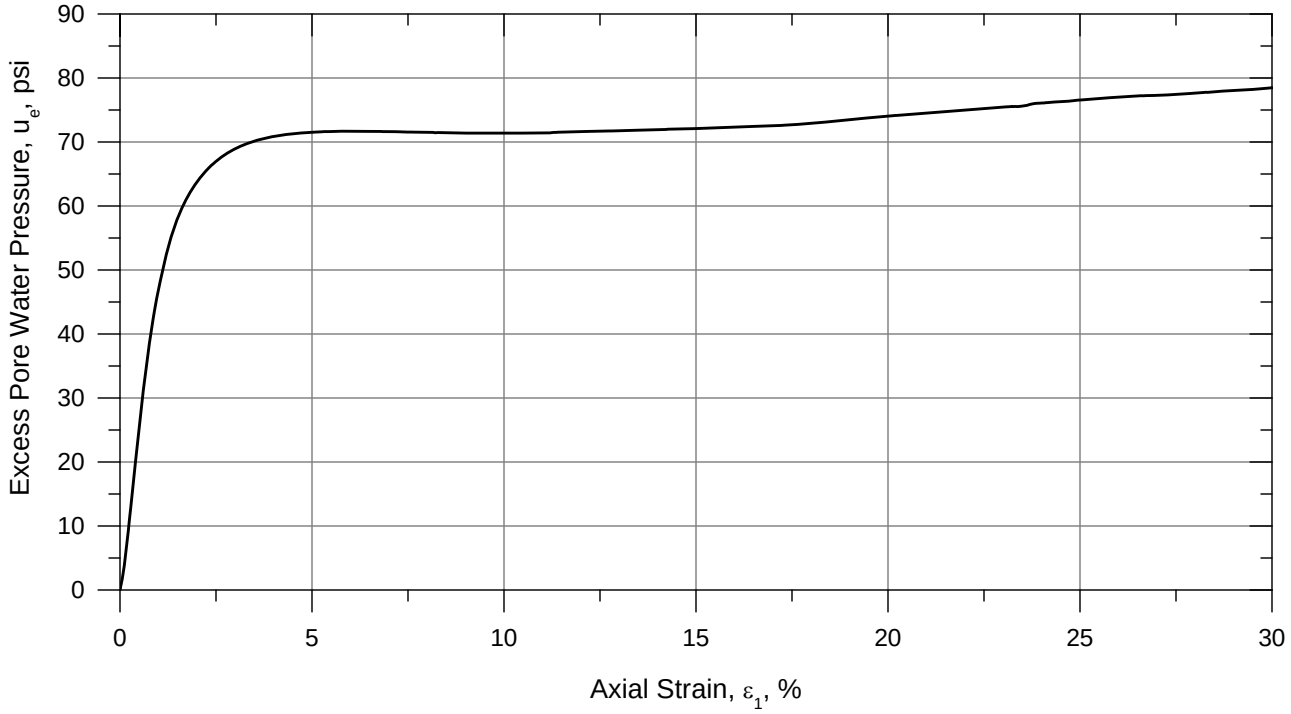




TRIAXIAL TEST RESULTS

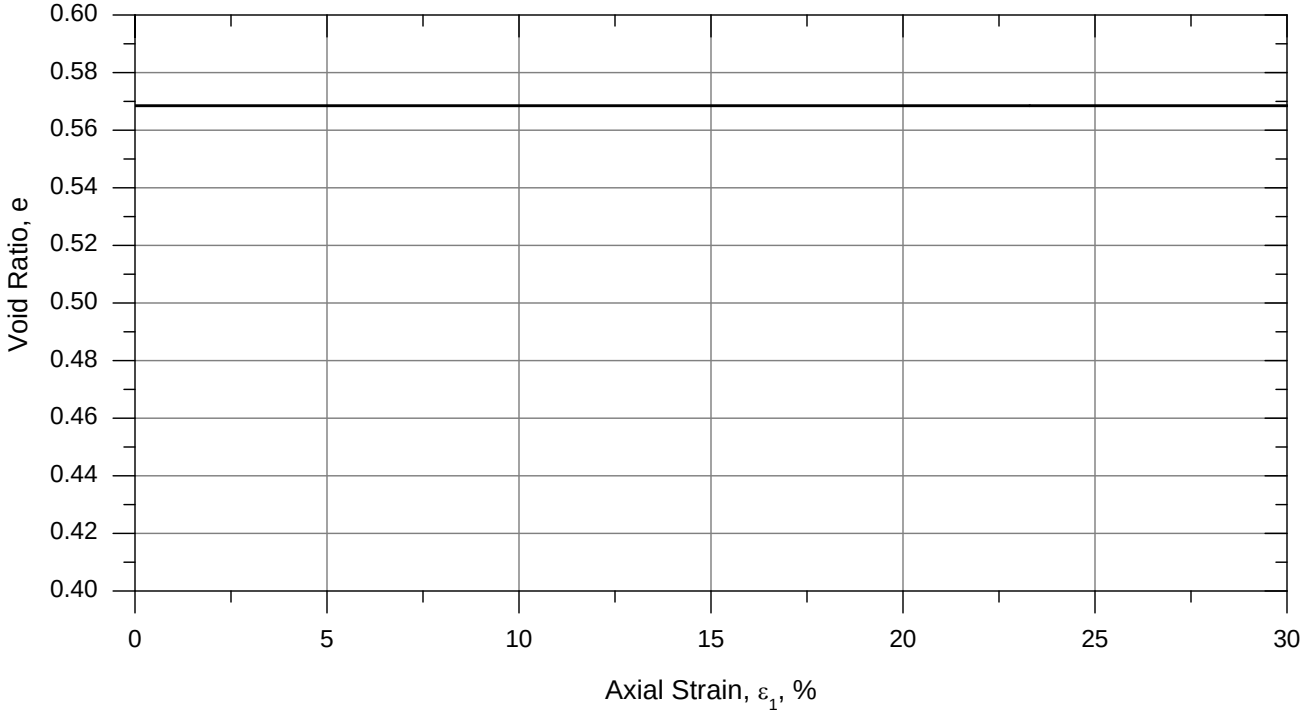
BORING ID: 200-Series
TEST ID: 110

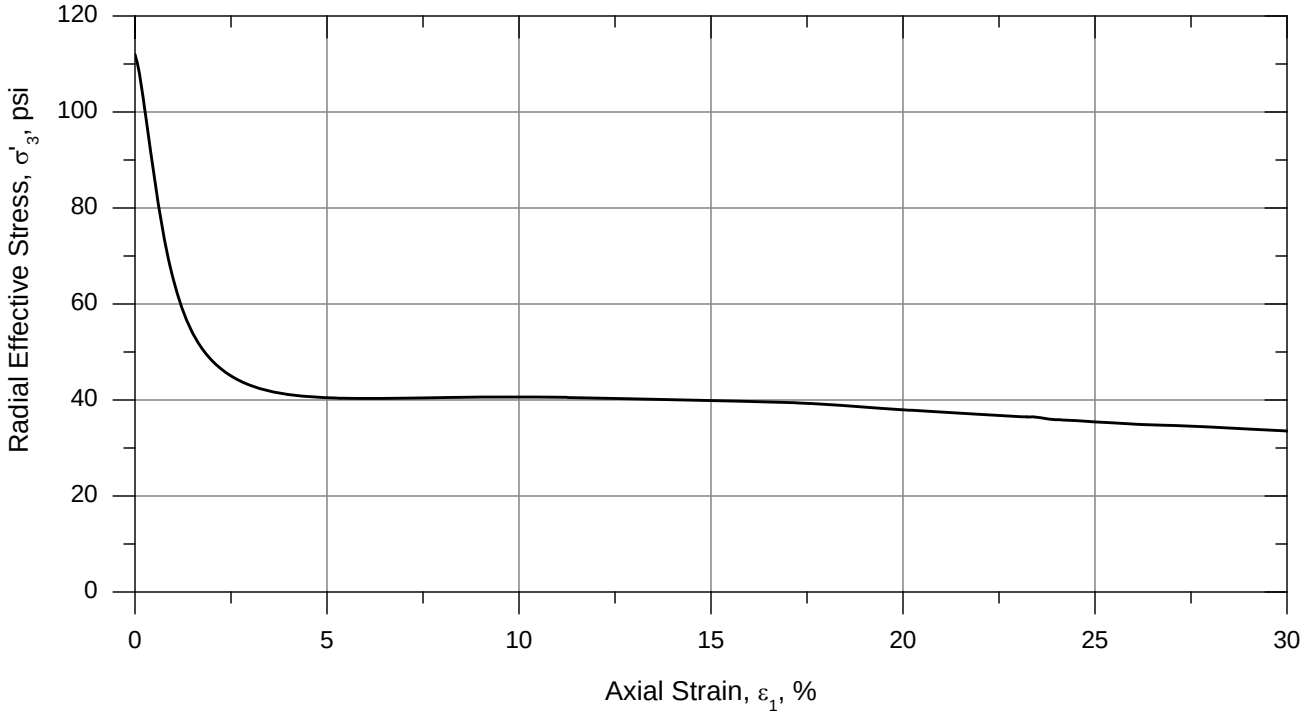




TRIAXIAL TEST RESULTS

BORING ID: 200-Series
TEST ID: 110





UNDRAINED TRIAXIAL COMPRESSION TEST RESULTS

AECOM

Project Name:	TVA Kingston Fossil Plant RC Analysis
Project No.:	60095742
Client:	Tennessee Valley Authority
Location:	Kingston, TN

Test ID:	111
Soil Boring:	200-Series
Sample No.	N/A
Soil Type:	Gray Fly Ash
USCS:	ML
Specific Gravity	2.33
Sample Type:	Reconstituted
Preparation:	Pluviation
Type of Test:	CIU-TXC

STAGE

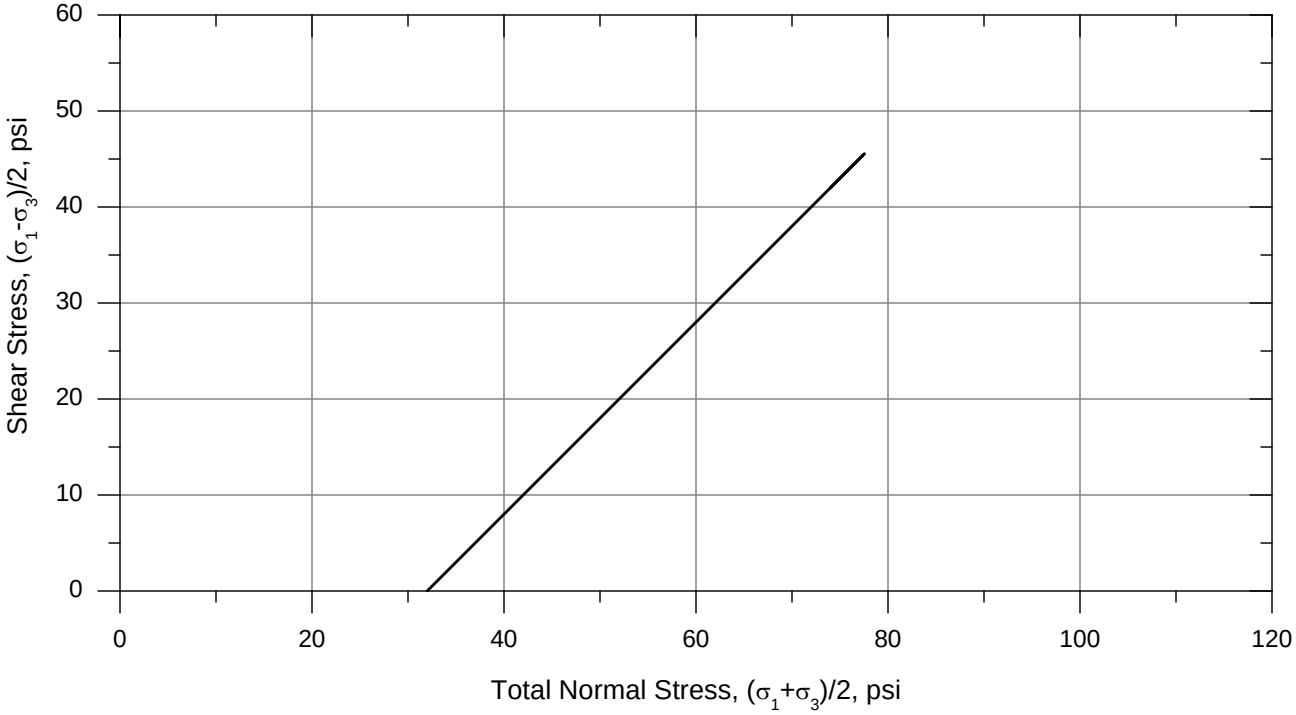
SATURATION	B (Skempton) value:	1.00
	Back Pressure, psi:	70.0
CONSOLIDATION	Type:	Isotropic
SHEAR	Type:	CIU-TXC
	Strain rate, %/min:	0.070
	Max. Mobilized Friction Angle, deg:	32.0
	Max. Deviator Stress, psi:	91.1

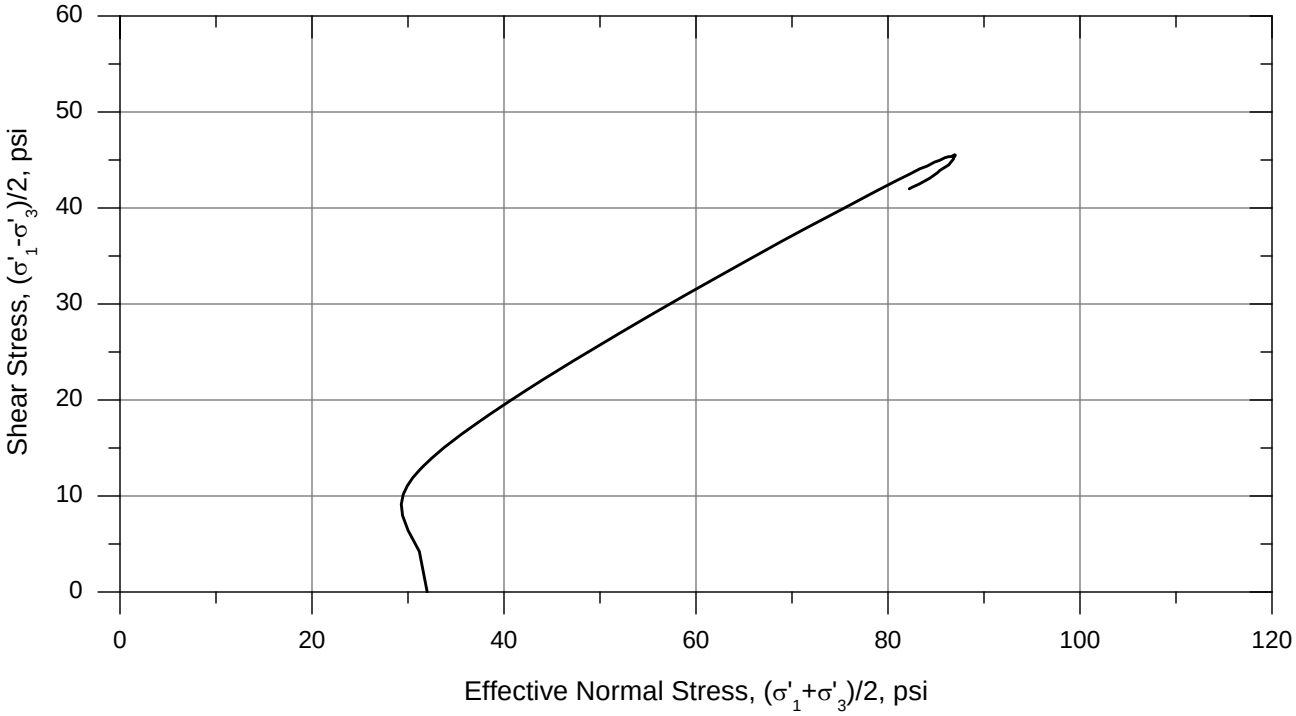
RESULTS

		CONSOLIDATION		SHEAR			
	INITIAL	INITIAL	FINAL	INITIAL	AT MAX STRESS RATIO	AT MAX DEVIATOR STRESS	FINAL
Height, mm:	141.6	140.7	140.3	140.3	128.3	117.5	107.1
Diameter, mm:	71.0	70.9	70.8	70.8	73.8	76.5	79.1
Axial Strain, %:		0.0	0.2	0.0	8.6	16.3	23.7
Volumetric Strain, %:		0.0	0.7	0.0	0.0	0.0	0.0
Deviator Stress, psi:		0.0	0.0	0.0	79.0	91.1	84.0
Vertical Effective Stress, psi:		4.0	32.0	32.0	114.0	132.5	124.2
Horizontal Effective Stress, psi:		4.0	32.0	32.0	35.0	41.4	40.2
Void Ratio:		0.85	0.84	0.84	0.84	0.84	0.84
Water Content, %:		36.4	35.9	35.9	35.9	35.9	35.9
Saturation, %:		100	100	100	100	100	100
Unit Weight, pcf:		107.3	107.6	107.6	107.6	107.6	107.6
Dry Unit Weight, pcf:		78.6	79.2	79.2	79.2	79.2	79.2

TRIAXIAL TEST RESULTS

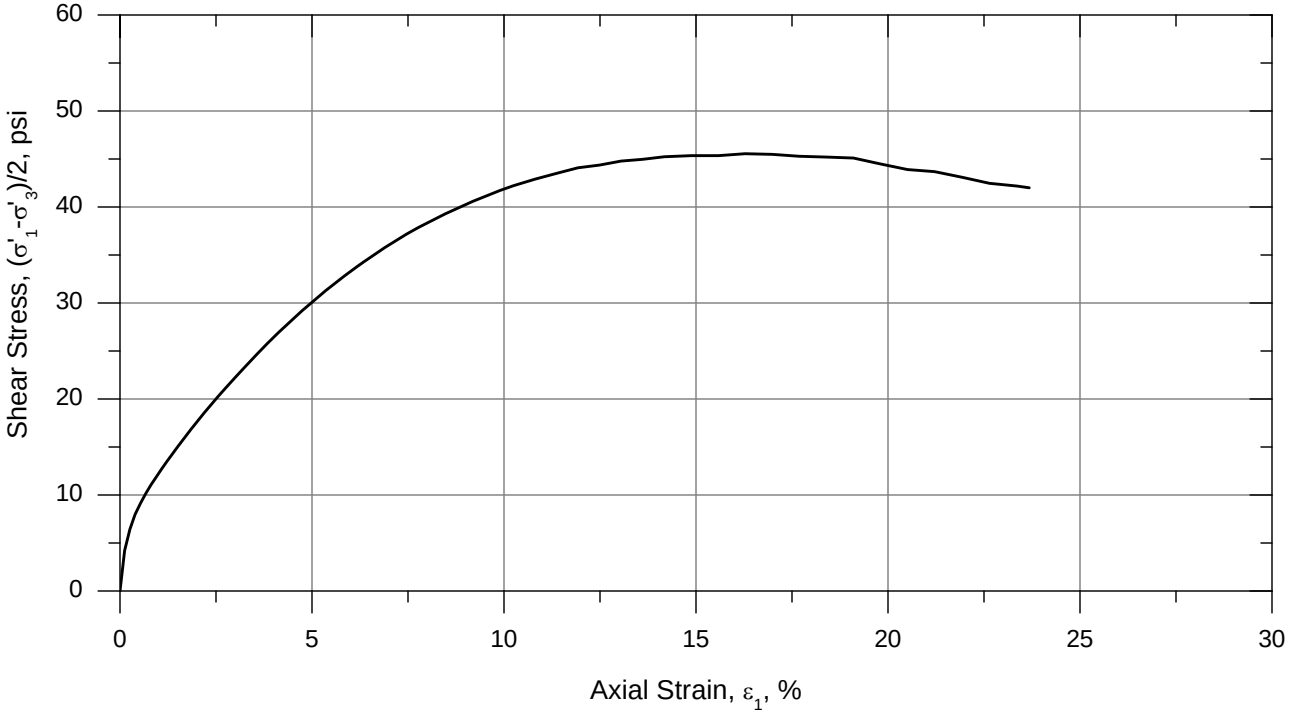
BORING ID: 200-Series
TEST ID: 111

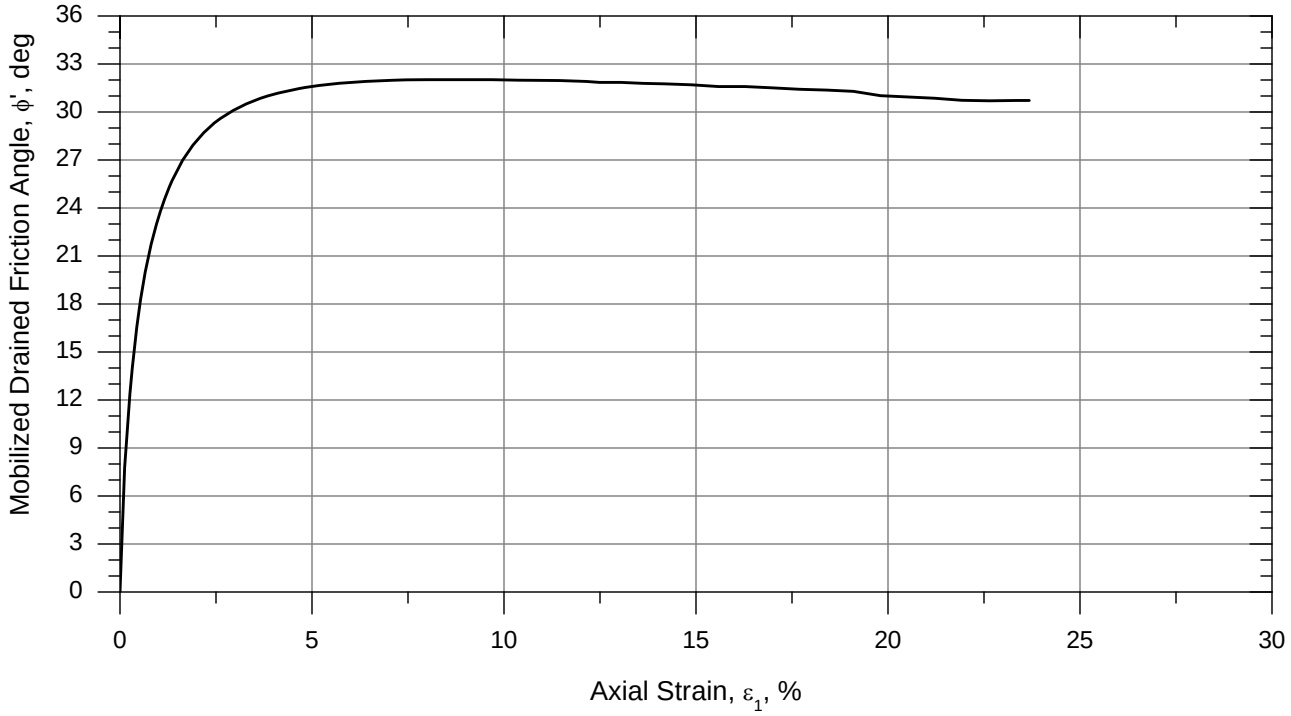




TRIAXIAL TEST RESULTS

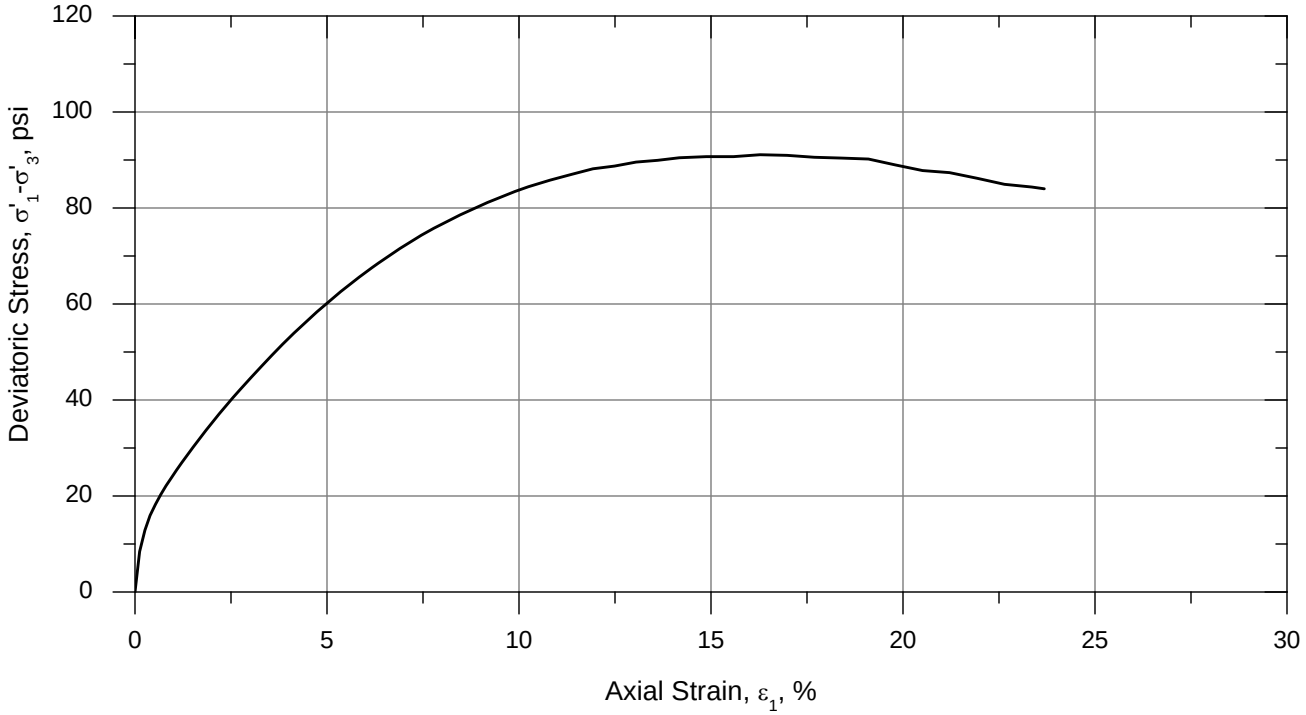
BORING ID: 200-Series
TEST ID: 111

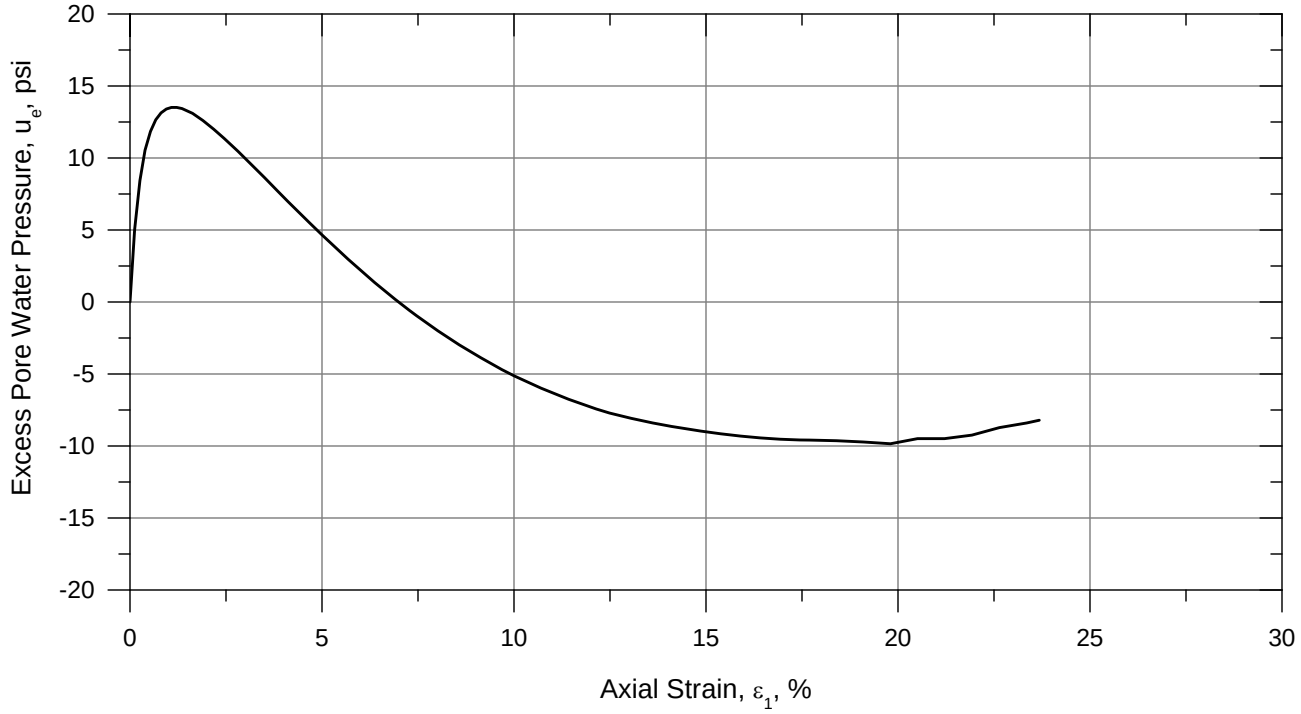




TRIAXIAL TEST RESULTS

BORING ID: 200-Series
TEST ID: 111





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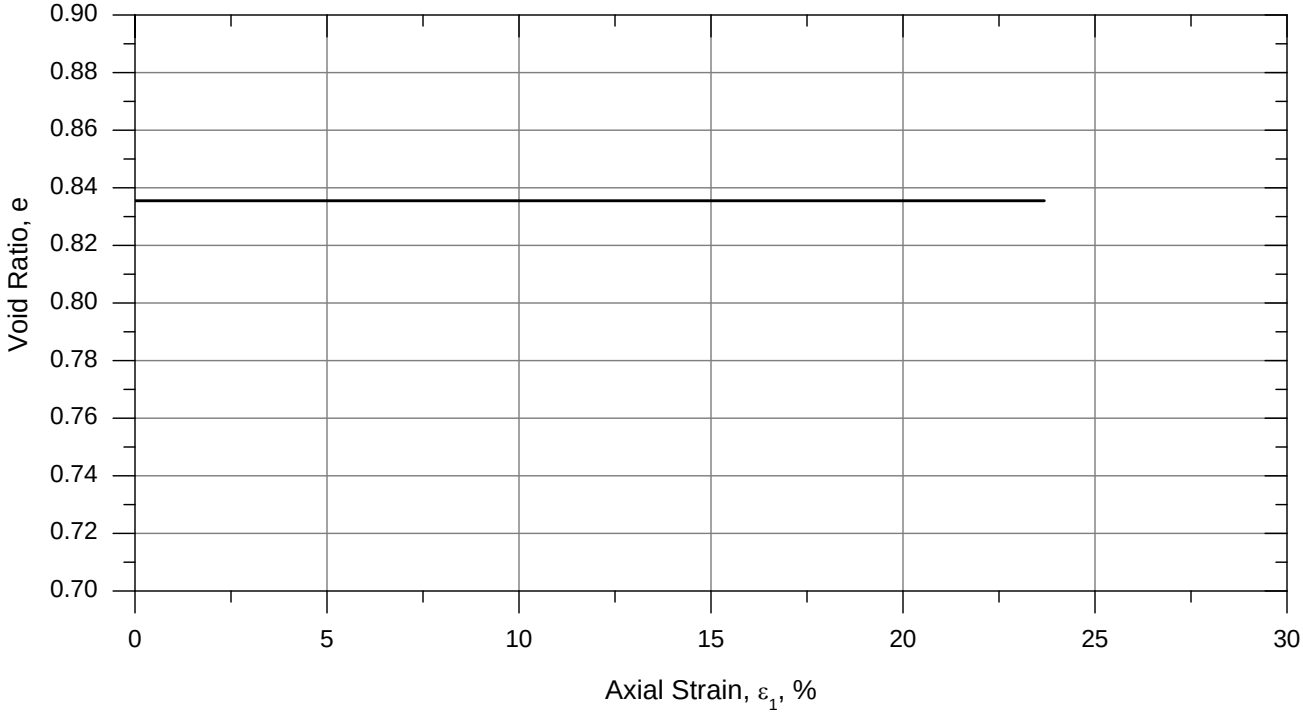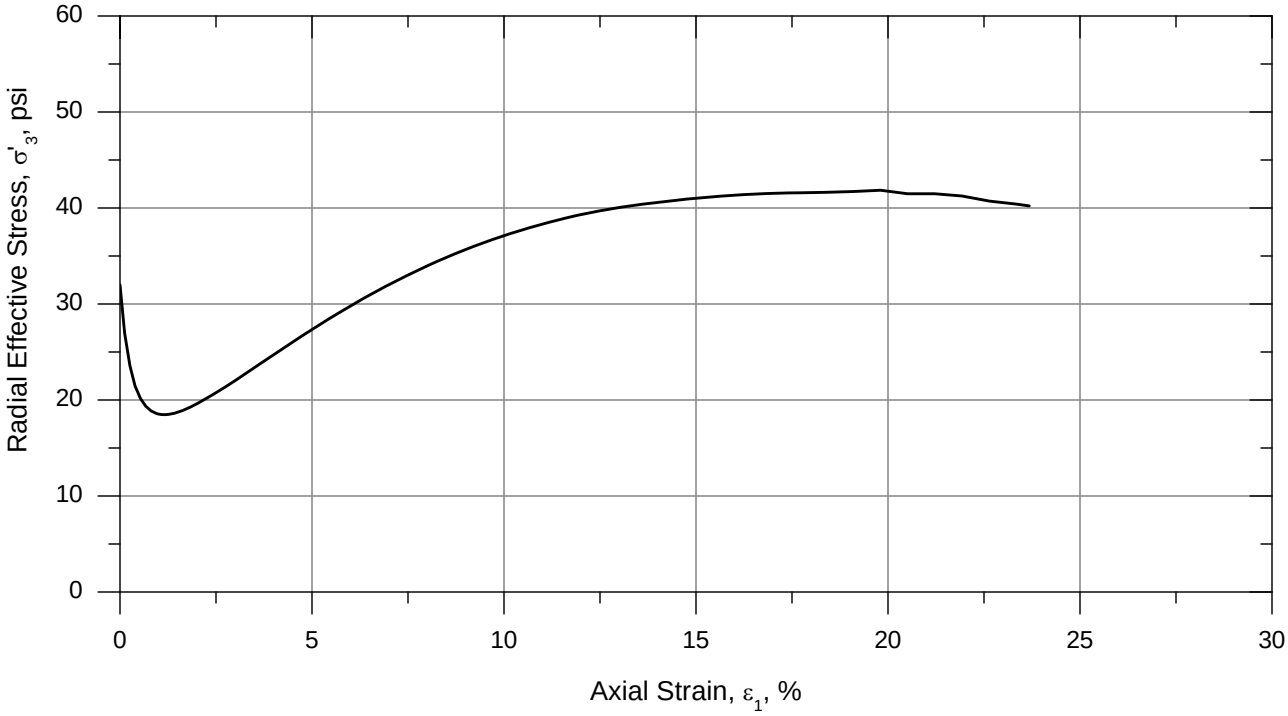
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