Concrete Compressive Strength

Client: Y2K Marketing
ıcrete Sealer Research

Project Number: 7120.01.3117.3001L
Date: September 17, 2003

Specimen Information

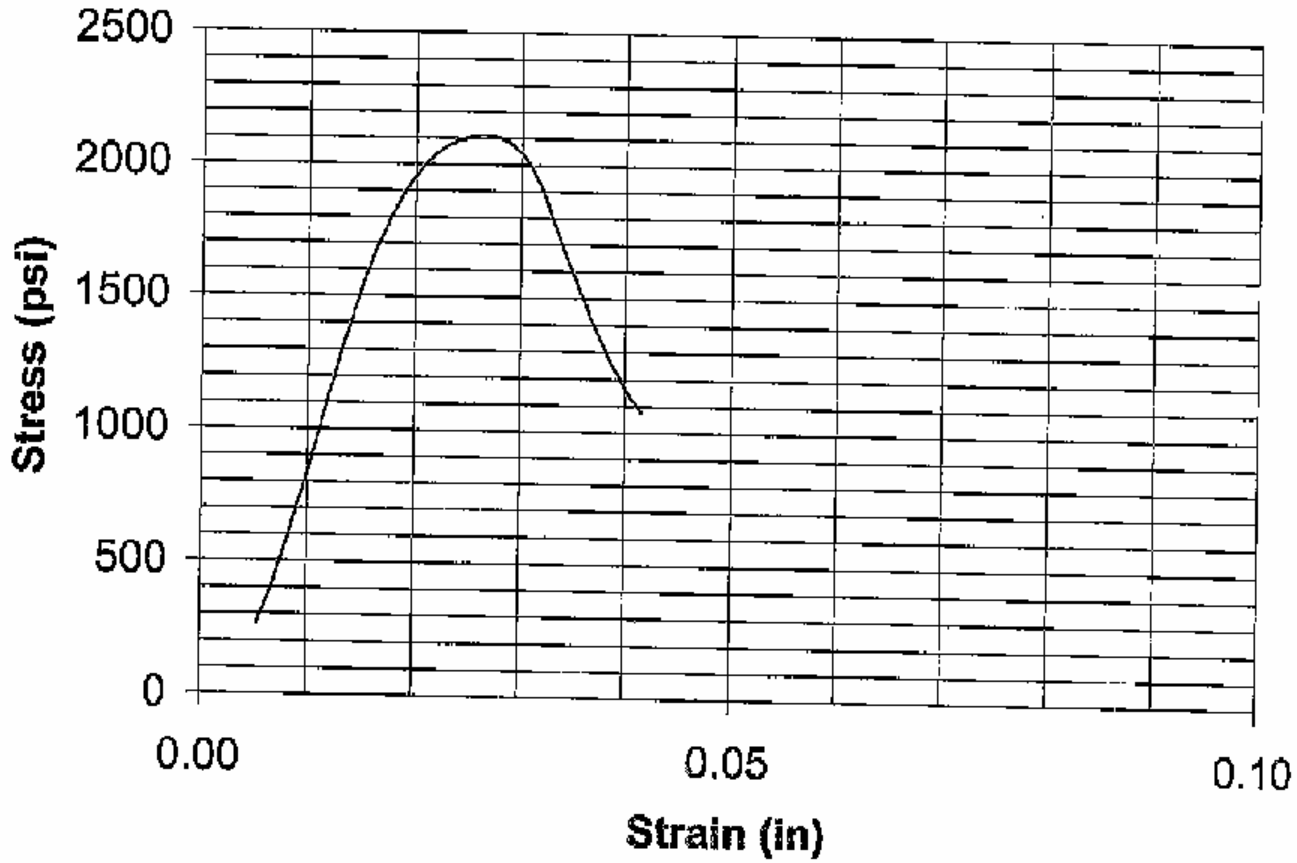
Cylinder Number: 1
Batch ID Control
Age Days: 7
Cap Type: Hydro-stone
Cyl. Diameter: 3.000
Specimen Length: 6.000
Ultimate Load: 14920
Compressive Strength (psi): **2110.62**
Peak Deflection (in.) 0.0262
Specimen Weight (g.): 1304.4
Specimen Weight(pcf): 117.374
Stress at 40% max 844.2
Strain at 40% max 0.01
Failure Type :

Mix Information

	Source	Type	Amount
Course Agg (lb)	NA		
Med Course Agg(lb)	Simpson	Mere	1870
Fine Agg (lb)	Simpson	Mere	1250
HRWR g.	NA		
Cement:LoneStar(lb)	ST.L	I/II	564
Water (lb)	Tap		226

E= 8.4420E+04

Stress vs. Strain Curve



Concrete Compressive Strength

Client: Y2K Marketing
ıcrete Sealer Research

Project Number: 7120.01.3117.3001L
Date: September 17, 2003

Specimen Information

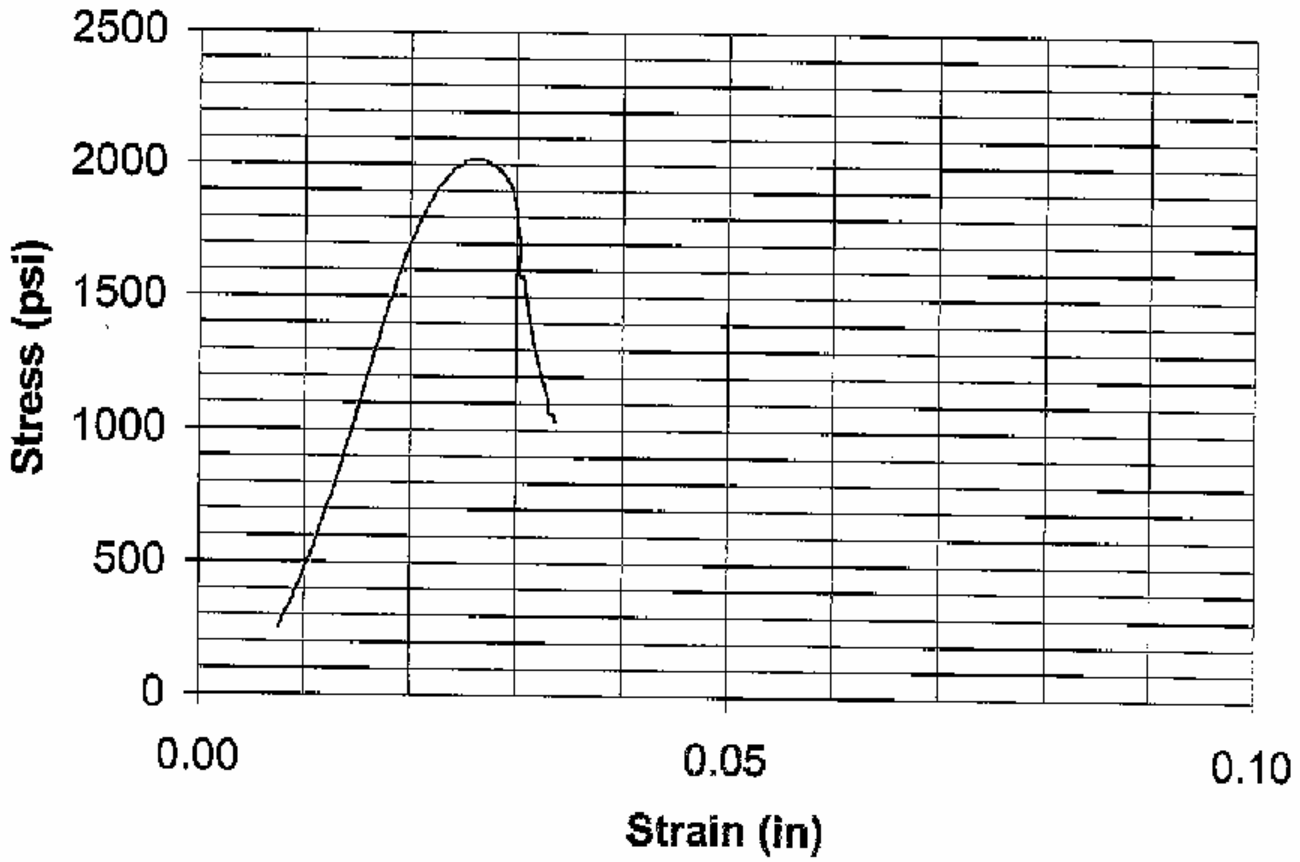
Cylinder Number: 3
Batch ID Control
Age Days: 7
Cap Type: Hydro-stone
Cyl. Diameter: 3.000
Specimen Length: 6.000
Ultimate Load: 14285
Compressive Strength (psi): **2020.8**
Peak Deflection (in.) 0.026
Specimen Weight (g.): 1304.4
Specimen Weight(pcf): **117.374**
Stress at 40% max 808.32
Strain at 40% max 0.0129
Failure Type :

Mix Information

	Source	Type	Amount
Course Agg (lb)	NA		
Med Course Agg(lb)	Simpson	Mere	1870
Fine Agg (lb)	Simpson	Mere	1250
HRWR g.	NA		
Cement:LoneStar(lb)	ST.L	I/II	564
Water (lb)	Tap		226

E= 6.2660E+04

Stress vs. Strain Curve



Concrete Compressive Strength

Client: Y2K Marketing
ıcrete Sealer Research

Project Number: 7120.01.3117.3001L
Date: September 17, 2003

Specimen Information

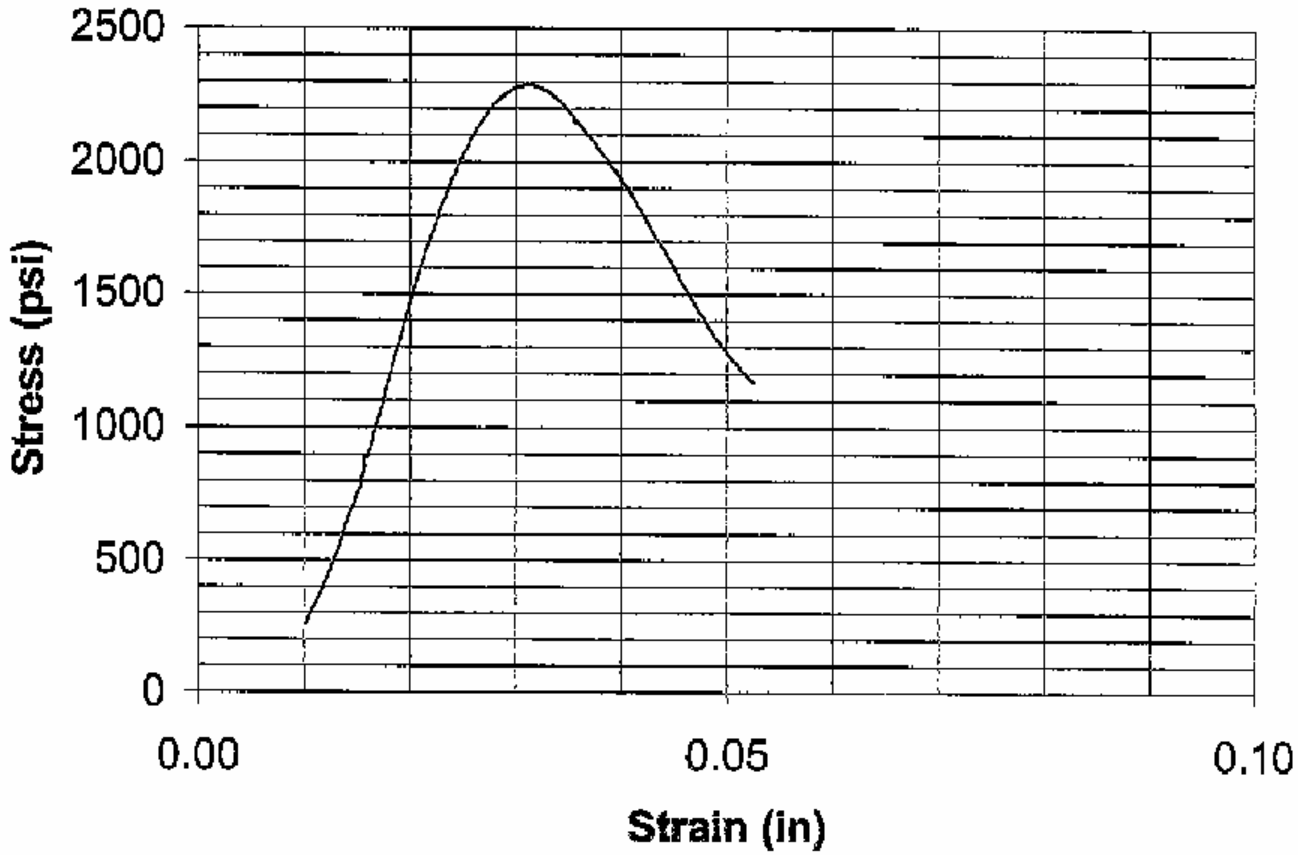
Cylinder Number: 4
Batch ID 1 Dip
Age Days: 7
Cap Type: Hydro-stone
Cyl. Diameter: 3.000
Specimen Length: 6.000
Ultimate Load: 16183
Compressive Strength (psi): **2289.29**
Peak Deflection (in.) 0.0309
Specimen Weight (g.): 1304.4
Specimen Weight(pcf): 117.374
Stress at 40% max 915.72
Strain at 40% max 0.0161
Failure Type ;

Mix Information

	Source	Type	Amount
Course Agg (lb)	NA		
Med Course Agg(lb)	Simpson	Mere	1870
Fine Agg (lb)	Simpson	Mere	1250
HRWR g.	NA		
Cement LoneStar(lb)	ST.L	I/II	564
Water (lb)	Tap		226

E= 5.6877E+04

Stress vs. Strain Curve



Concrete Compressive Strength

Client: Y2K Marketing
ıcrete Sealer Research

Project Number: 7120.01.3117.3001L
Date: September 17, 2003

Specimen Information

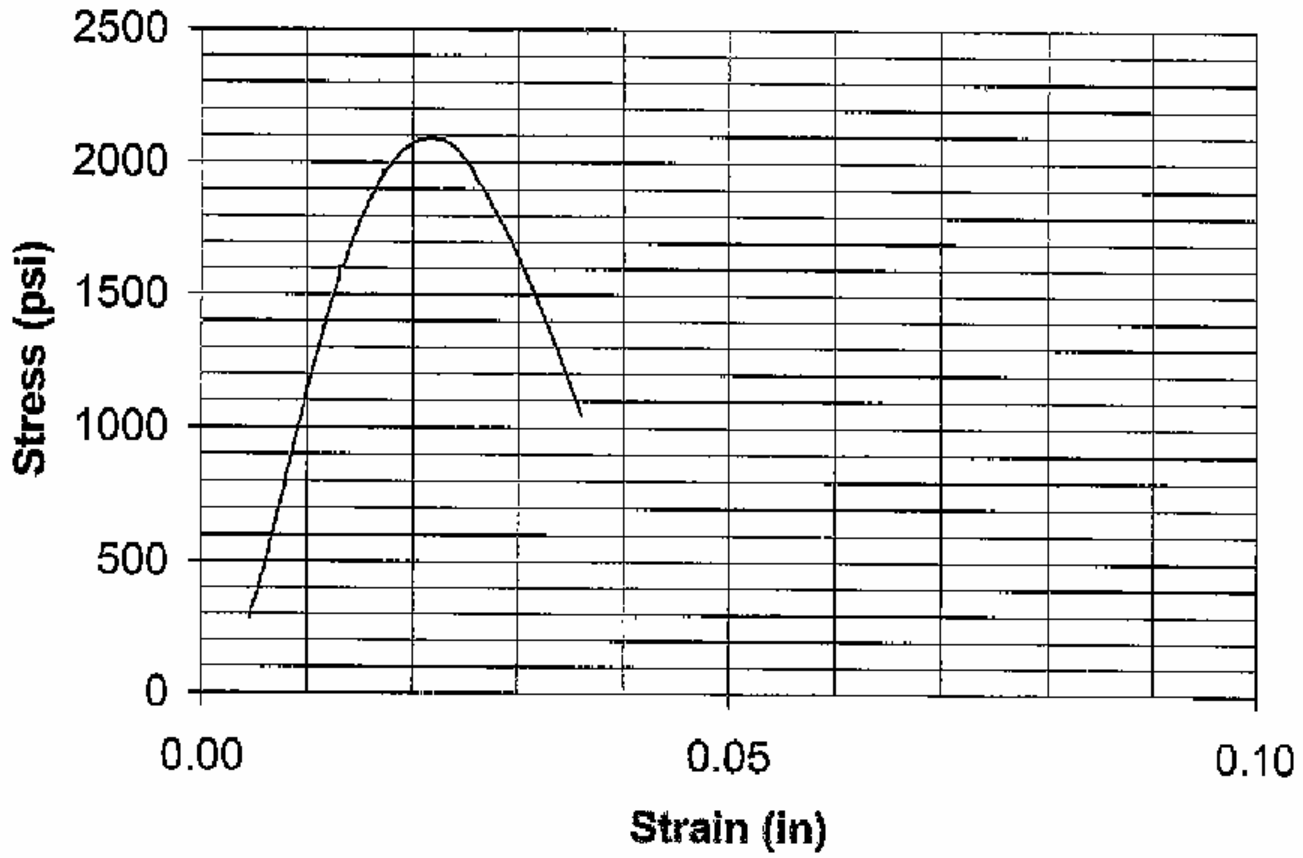
Cylinder Number: 5
Batch ID: I Dip
Age Days: 7
Cap Type: Hydro-stone
Cyl. Diameter: 3.000
Specimen Length: 6.000
Ultimate Load: 14790
Compressive Strength (psi): **2092.23**
Peak Deflection (in.): 0.0214
Specimen Weight (g.): 1304.4
Specimen Weight(pcf): 117.374
Stress at 40% max: 836.88
Strain at 40% max: 0.008
Failure Type :

Mix Information

	Source	Type	Amount
Course Agg (lb)	NA		
Med Course Agg(lb)	Simpson	Mere	1870
Fine Agg (lb)	Simpson	Mere	1250
HRWR g.	NA		
Cement:LoneStar(lb)	ST.L	I/II	564
Water (lb)	Tap		226

E= 1.0461E+05

Stress vs. Strain Curve



Concrete Compressive Strength

Client: Y2K Marketing
ıcrete Sealer Research

Project Number: 7120.01.3117.3001L
Date: September 17, 2003

Specimen Information

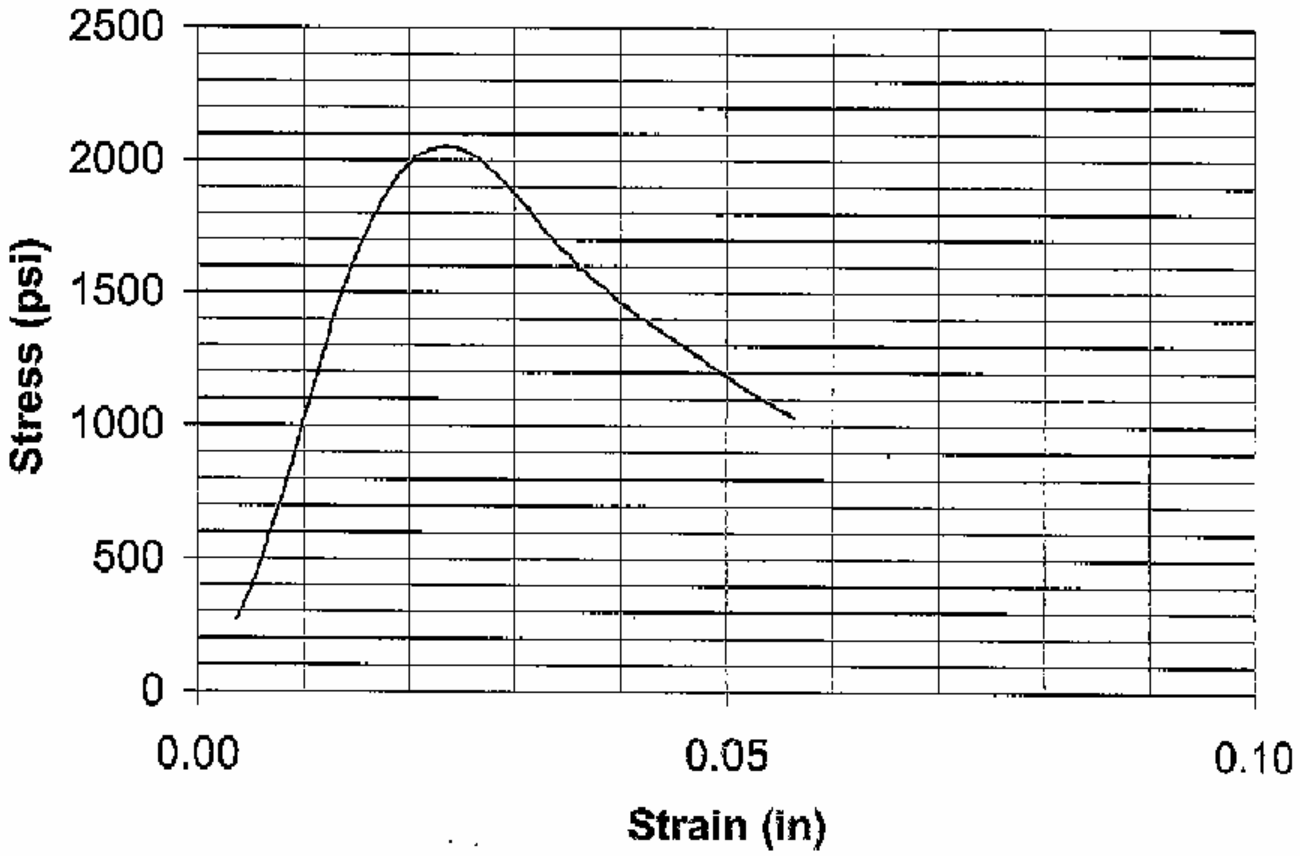
Cylinder Number: 6
Batch ID 1 Dip
Age Days: 7
Cap Type: Hydro-stone
Cyl. Diameter: 3.000
Specimen Length: 6.000
Ultimate Load: 14517
Compressive Strength (psi): 2053.61
Peak Deflection (in.) 0.0233
Specimen Weight (g.): 1304.4
Specimen Weight(pcf): 117.374
Stress at 40% max 821.44
Strain at 40% max 0.0086
Failure Type :

Mix Information

	Source	Type	Amount
Course Agg (lb)	NA		
Med Course Agg(lb)	Simpson	Mere	1870
Fine Agg (lb)	Simpson	Mere	1250
HRWR g.	NA		
Cement:LoneStar(lb)	ST.L	I/II	564
Water (lb)	Tap		226

E= 9.5516E+04

Stress vs. Strain Curve



Concrete Compressive Strength

Client: Y2K Marketing
ıcrete Sealer Research

Project Number: 7120.01.3117.3001L
Date: September 17, 2003

Specimen Information

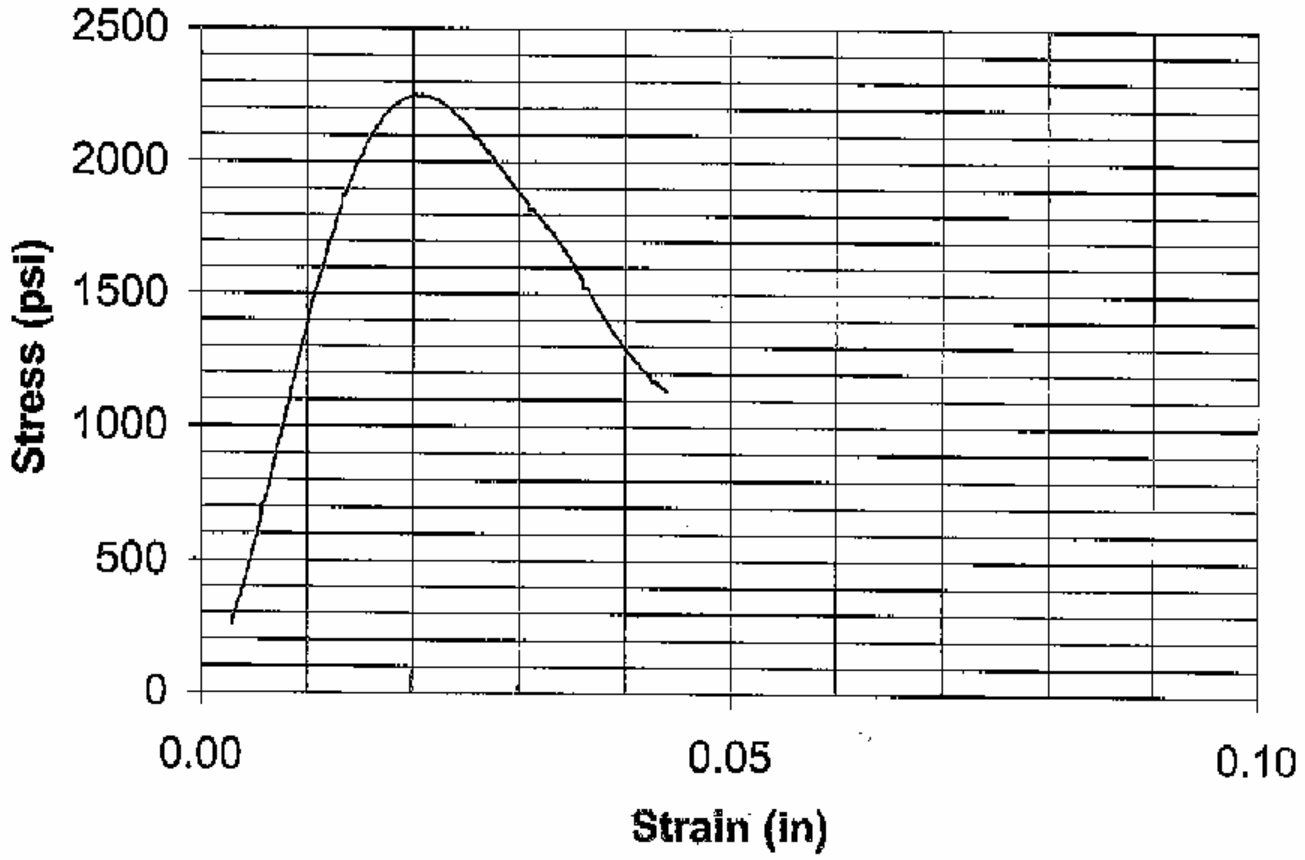
Cylinder Number: 8
Batch ID 2 Dip
Age Days: 7
Cap Type: Hydro-stone
Cyl. Diameter: 3.000
Specimen Length: 6.000
Ultimate Load: 15905
Compressive Strength (psi): 2249.96
Peak Deflection (in.) 0.0202
Specimen Weight (g.): 1304.4
Specimen Weight(pcf): 117.374
Stress at 40% max 900
Strain at 40% max 0.0071
Failure Type :

Mix Information

	Source	Type	Amount
Course Agg (lb)	NA		
Med Course Agg(lb)	Simpson	Mere	1870
Fine Agg (lb)	Simpson	Mere	1250
HRWR g.	NA		
Cement:LoneStar(lb)	ST.L	I/II	564
Water (lb)	Tap		226

E= 1.2676E+05

Stress vs. Strain Curve



Concrete Compressive Strength

Client: Y2K Marketing
Concrete Sealer Research

Project Number: 7120.01.3117.3001L
Date: September 17, 2003

Specimen Information

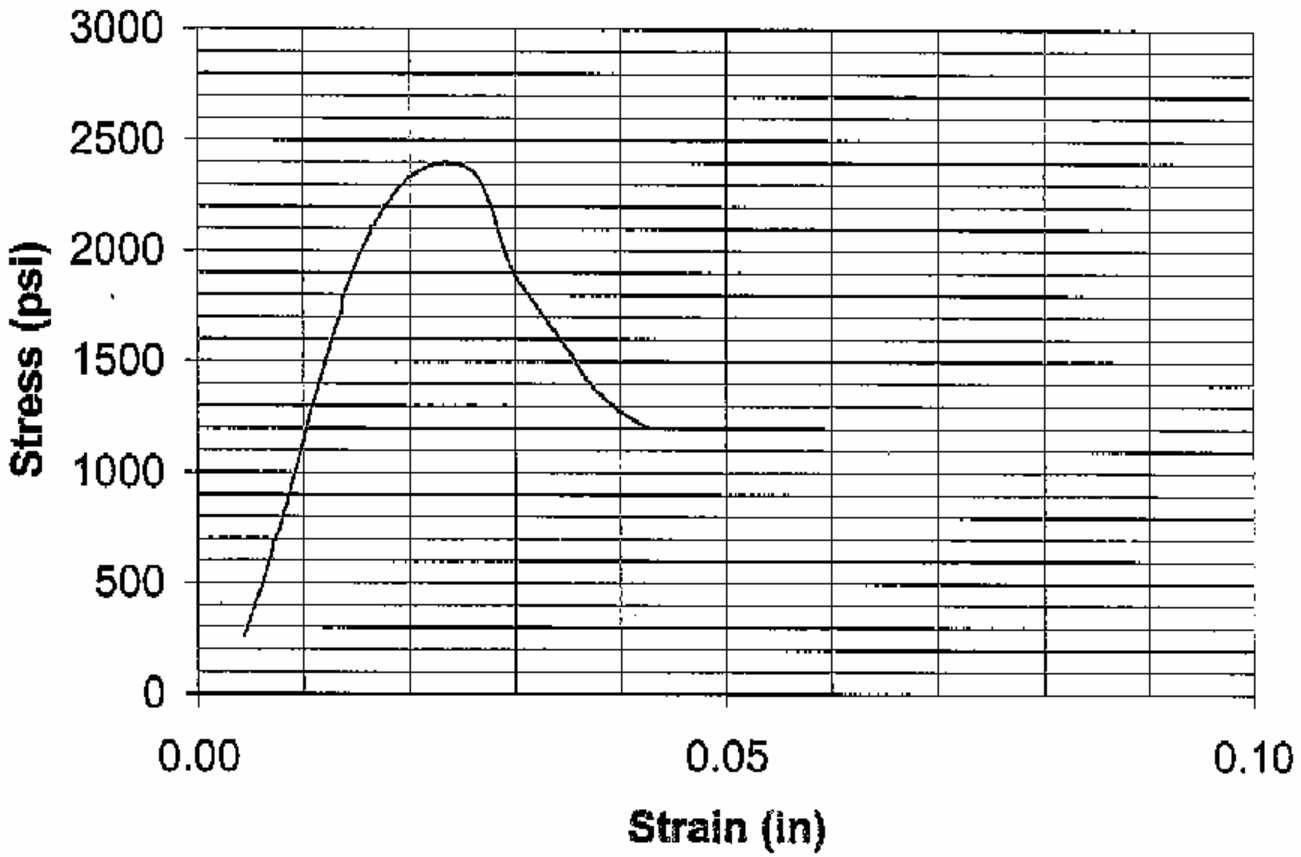
Cylinder Number: 9
Batch ID 2 Dip
Age Days: 7
Cap Type: Hydro-stone
Cyl. Diameter: 3.000
Specimen Length: 6.000
Ultimate Load: 16964
Compressive Strength (psi): 2399.77
Peak Deflection (in.) 0.0233
Specimen Weight (g.): 1304.4
Specimen Weight(pcf): 117.374
Stress at 40% max 959.92
Strain at 40% max 0.0087
Failure Type :

Mix Information

	Source	Type	Amount
Course Agg (lb)	NA		
Med Course Agg(lb)	Simpson	Mere	1870
Fine Agg (lb)	Simpson	Mere	1250
HRWR g.	NA		
Cement:LoneStar(lb)	ST.L	I/II	564
Water (lb)	Tap		226

E= 1.1034E+05

Stress vs. Strain Curve



Concrete Compressive Strength

Client: Y2K Marketing
ıcrete Sealer Research

Project Number: 7120.01.3117.3001L
Date: September 17, 2003

Specimen Information

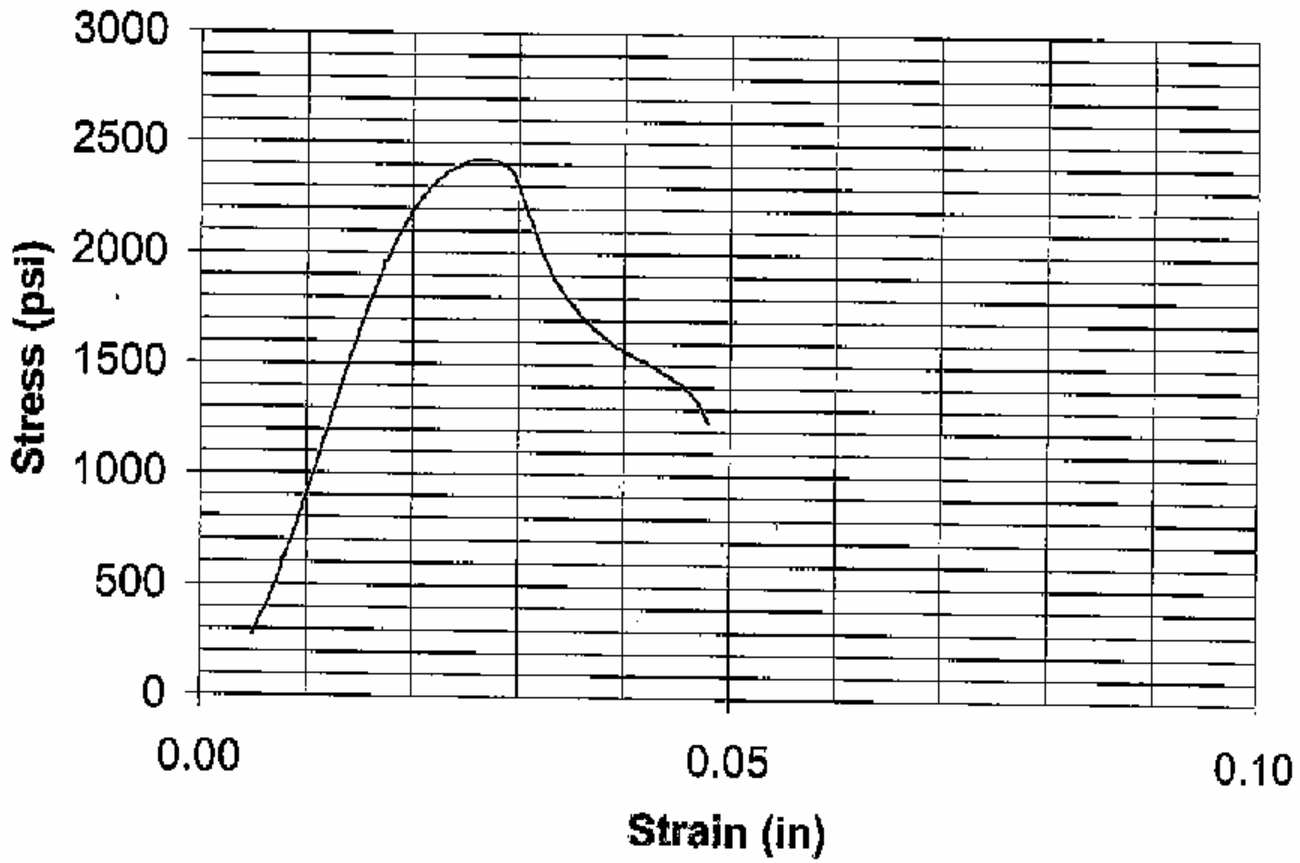
Cylinder Number: 10
Batch ID 3 Dip
Age Days: 7
Cap Type: Hydro-stone
Cyl. Diameter: 3.000
Specimen Length: 6.000
Ultimate Load: 17131
Compressive Strength (psi): 2423.4
Peak Deflection (in.) 0.027
Specimen Weight (g.): 1304.4
Specimen Weight(pcf): 117.374
Stress at 40% max 969.36
Strain at 40% max 0.0103
Failure Type :

Mix Information

	Source	Type	Amount
Course Agg (lb)	NA		
Med Course Agg(lb)	Simpson	Mere	1870
Fine Agg (lb)	Simpson	Mere	1250
HRWR g.	NA		
Cement:LoneStar(lb)	ST.L	I/II	564
Water (lb)	Tap		226

E= 9.4113E+04

Stress vs. Strain Curve



Concrete Compressive Strength

Client: Y2K Marketing
ıcrete Sealer Research

Project Number: 7120.01.3117.3001L
Date: September 17, 2003

Specimen Information

Cylinder Number: 11
Batch ID 3 Dip
Age Days: 7
Cap Type: Hydro-stone
Cyl. Diameter: 3.000
Specimen Length: 6.000
Ultimate Load: 13563
Compressive Strength (psi): 1918.66 *
Peak Deflection (in.) 0.0551
Specimen Weight (g.): 1304.4
Specimen Weight(pcf): 117.374
Stress at 40% max 767.48
Strain at 40% max 0.0236
Failure Type :

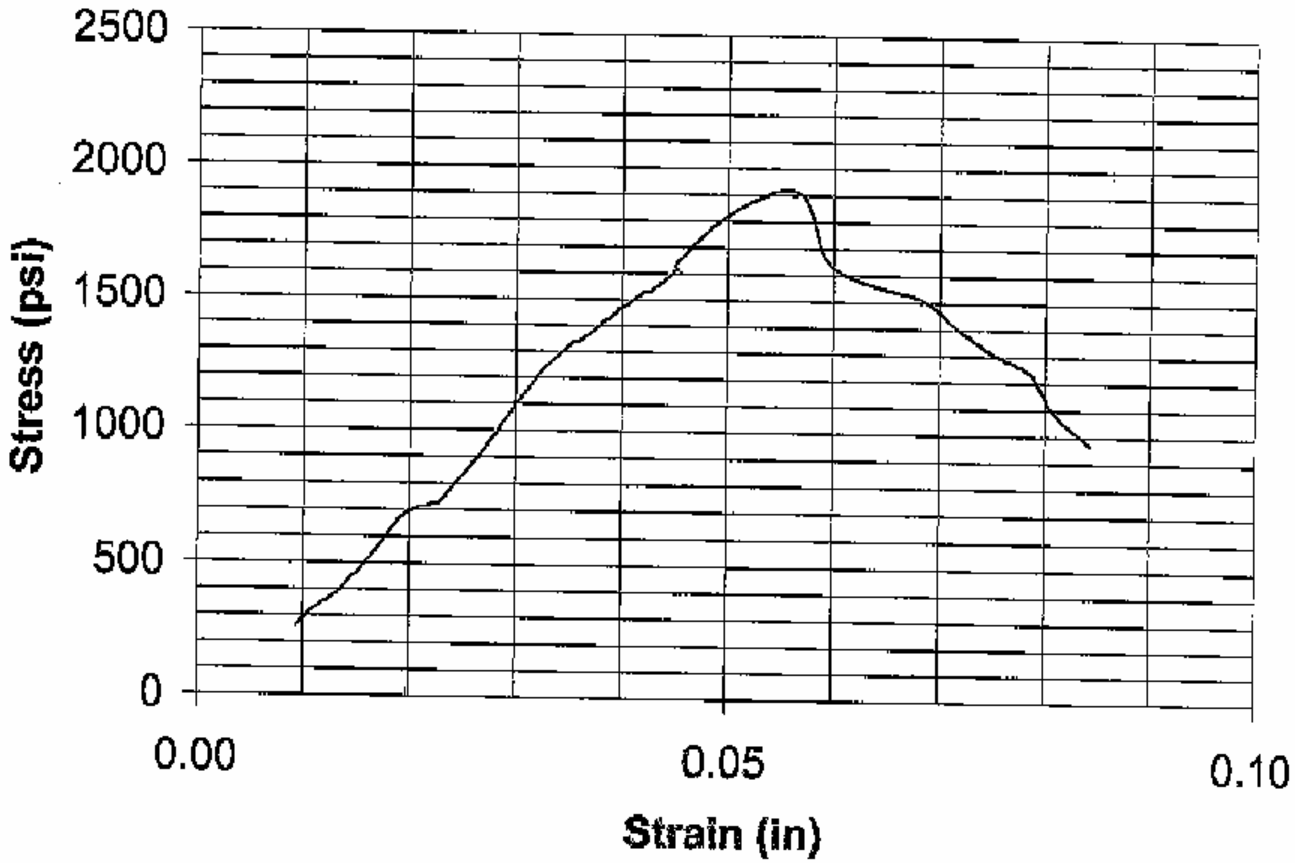
Mix Information

	Source	Type	Amount
Course Agg (lb)	NA		
Med Course Agg(lb)	Simpson	Mere	1870
Fine Agg (lb)	Simpson	Mere	1250
HRWR g.	NA		
Cement:LoneStar(lb)	ST.L	I/II	564
Water (lb)	Tap		226

E= 3.2520E+04

*Cylinder Damaged

Stress vs. Strain Curve



Concrete Compressive Strength

Client: Y2K Marketing
ıcrete Sealer Research

Project Number: 7120.01.3117.3001L
Date: September 17, 2003

Specimen Information

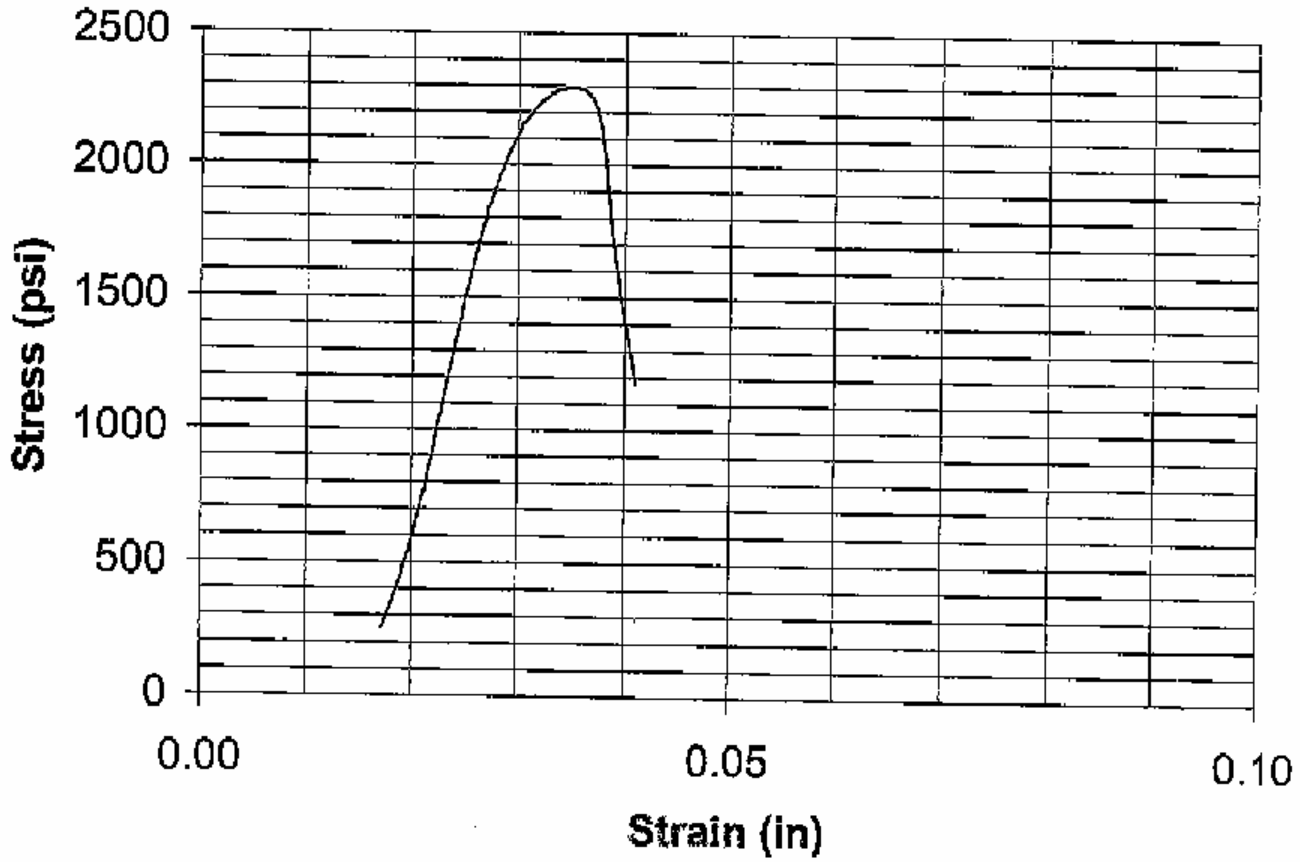
Cylinder Number: 12
Batch ID 3 Dip
Age Days: 7
Cap Type: Hydro-stone
Cyl. Diameter: 3.000
Specimen Length: 6.000
Ultimate Load: 16223
Compressive Strength (psi): 2294.95
Peak Deflection (in.) 0.0352
Specimen Weight (g.): 1304.4
Specimen Weight(pcf): 117.374
Stress at 40% max 917.96
Strain at 40% max 0.0219
Failure Type :

Mix Information

	Source	Type	Amount
Course Agg (lb)	NA		
Med Course Agg(lb)	Simpson	Mere	1870
Fine Agg (lb)	Simpson	Mere	1250
HRWR g.	NA		
Cement:LoneStar(lb)	ST.L	I/II	564
Water (lb)	Tap		226

E= 4.1916E+04

Stress vs. Strain Curve



Concrete Compressive Strength

Client: Y2K Marketing
ıcrete Sealer Research

Project Number: 7120.01.3117.3001L
Date: September 17, 2003

Specimen Information

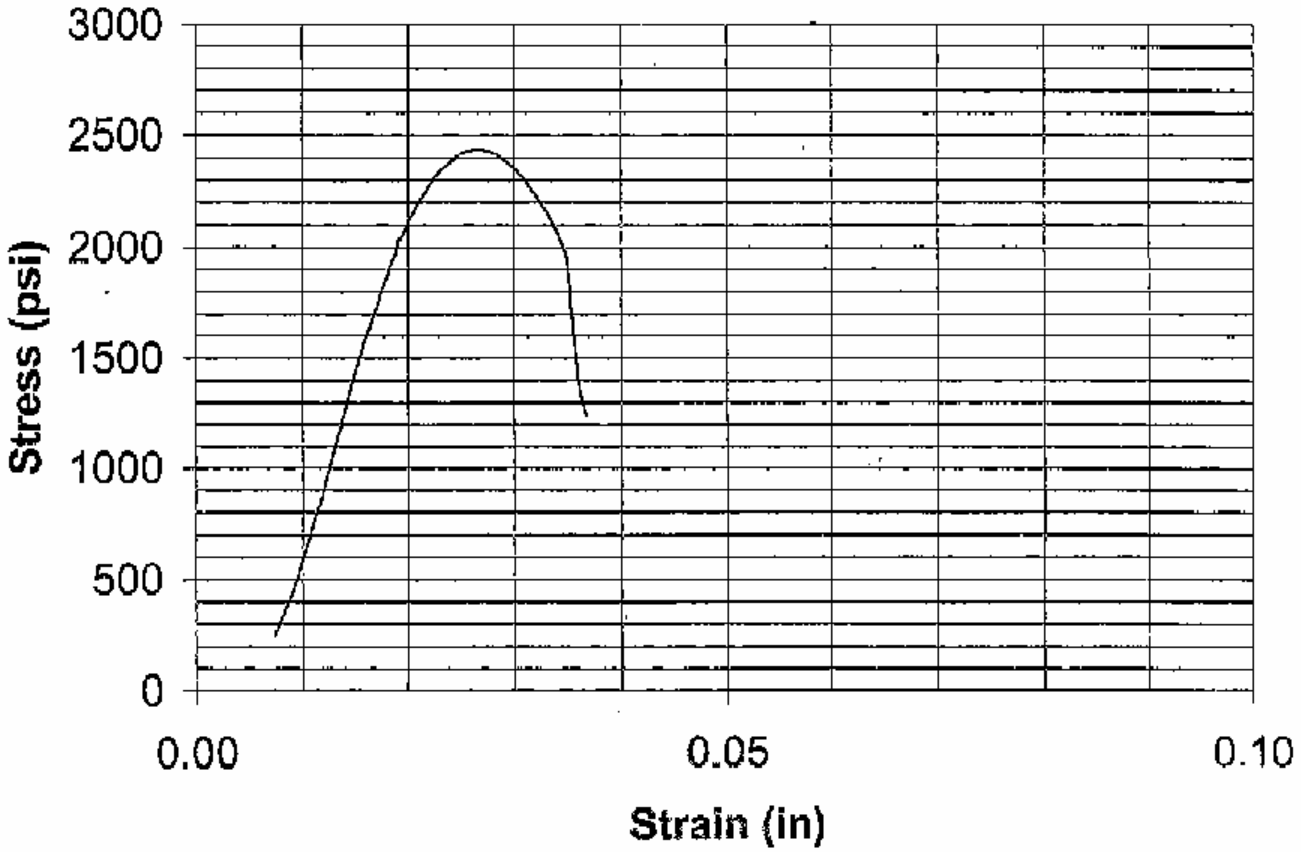
Cylinder Number: 7
Batch ID 2 Dip
Age Days: 7
Cap Type: Hydro-stone
Cyl. Diameter: 3.000
Specimen Length: 6.000
Ultimate Load: 17230
Compressive Strength (psi): 2437.4
Peak Deflection (in.) 0.0265
Specimen Weight (g.): 1304.4
Specimen Weight(pcf): 117.374
Stress at 40% max 974.96
Strain at 40% max 0.0123
Failure Type :

Mix Information

	Source	Type	Amount
Course Agg (lb)	NA		
Med Course Agg(lb)	Simpson	Mere	1870
Fine Agg (lb)	Simpson	Mere	1250
HRWR g.	NA		
Cement:LoneStar(lb)	ST.L	I/II	564
Water (lb)	Tap		226

E= 7.9265E+04

Stress vs. Strain Curve



GEOTECHNOLOGY, INC.
MATERIALS TESTING DIVISION

September 30, 2003

Report No. A-456009
0712001.3117.3001L

Mr. Floyd B. Bell
Y2Marketing
404 Rose Hill West
St. Peters, Missouri 63376

Re: Sealer Research
St. Peters, Missouri

In accordance with your instructions, we conducted compressive strength tests and stress vs. strain curves on twelve cylinders on September 17, 2003.

Please contact either of the undersigned if you have any questions regarding this report.

Respectfully submitted,

GEOTECHNOLOGY, INC.
Materials Testing Division

Steven C. Fults, P.E.
Senior Materials Engineer

Samuel J. Klucker
Materials Engineer

SJK/SCF:de

Copies Submitted: (1)