

REPORT OF CONCRETE FIELD & LABORATORY TESTING

CLIENT: DN Tanks
 11 Teal Road
 Wakefield, MA 01880
 Attn: Mr. Jake Sreca

PROJECT: Middletown CT
 224 Talcott Ridge Drive
 Middletown, CT

DATE: September 30, 2020

REPORT #: 20-07-161-009

Page 1 of 3

General Location: Tank Floor

Date Cast: 8/26/2020
Field Rep: Stephen Sturges
Contractor: DN Tanks
Concrete Supplier: CT Ready Mix
Concrete Admixtures: Mix A
Air Temp: 85 °F
Weather: Sunny
Nominal Size of Aggr: 1 1/4"
Date Received by Lab: 8/27/2020

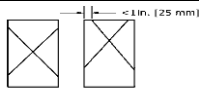
FIELD TEST RESULTS (Sampled in accordance with ASTM C172)

TICKET #	*# CYL	SLUMP TEST (in) (ASTM C143)	AIR CONTENT (%) (ASTM C231)	TEMPERATURE (°F) (ASTM C1064)	ELAPSED TIME		
					Batch	Final	Total (Min)
1008352	7	7.25"	2.50%	80 °F	6:31 AM	7:50 AM	79

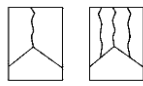
**Specimens molded/conditioned in accordance with ASTM C31/ASTM C1231*

LABORATORY COMPRESSIVE STRENGTH TESTING (ASTM C39)

Date of Test	Cylinder ID	Age	Cure	Avg Measured Diameter (in)	Cross Sectional (in ²)	PSI	Max. Load	Break Type
08/29/20	1A	3	LAB	6.00"	28.26"	3,670	103,590	2
09/02/20	1B	7	LAB	6.00"	28.26"	4,000	112,950	2
09/02/20	1C	7	LAB	6.00"	28.26"	4,050	114,400	2
09/23/20	1D	28	LAB	6.00"	28.26"	4,660	131,560	2
09/23/20	1E	28	LAB	6.00"	28.26"	5,110	144,500	2
	1F		HOLD					
	1G		HOLD					



Type 1
Reasonably well-formed cones on both ends, less than 1 in. [25 mm] of cracking through caps



Type 2
Well-formed cone on one end, vertical cracks running through caps, no well-defined cone on other end



Type 3
Columnar vertical cracking through both ends, no well-formed cones



Type 4
Diagonal fracture with no cracking through ends; tap with hammer to distinguish from Type 1



Type 5
Side fractures at top or bottom (occur commonly with unbonded caps)



Type 6
Similar to Type 5 but end of cylinder is pointed

Specific Sample Location:	Tank Floor		
Yards Placed:	90.0	yards³	Design Strength: 4000 psi
Density:			
Remarks:			

Reviewed By: Darlene Daniels

John Turner Consulting, Inc. considers the information contained in this report to be proprietary. Test results presented herein relate only to those items tested. This document and any information contained herein shall not be disclosed and shall not be duplicated or used in whole or in part for any purpose other than to validate test results without written approval from John Turner Consulting, Inc.

REPORT OF CONCRETE FIELD & LABORATORY TESTING

CLIENT: DN Tanks
 11 Teal Road
 Wakefield, MA 01880
 Attn: Mr. Jake Sreca

PROJECT: Middletown CT
 224 Talcott Ridge Drive
 Middletown, CT

DATE: September 30, 2020

REPORT #: 20-07-161-009

Page 2 of 3

General Location: Tank Floor

Date Cast: 8/26/2020
Field Rep: Stephen Sturges
Contractor: DN Tanks
Concrete Supplier: CT Ready Mix
Concrete Admixtures: Mix A
Air Temp: 85 °F
Weather: Sunny
Nominal Size of Aggr: 1 1/4"
Date Received by Lab: 8/27/2020

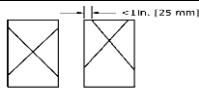
FIELD TEST RESULTS (Sampled in accordance with ASTM C172)

TICKET #	*# CYL	SLUMP TEST (in) (ASTM C143)	AIR CONTENT (%) (ASTM C231)	TEMPERATURE (°F) (ASTM C1064)	ELAPSED TIME		
					Batch	Final	Total (Min)
1008358	7	8.50"	1.70%	76 °F	7:38 AM	8:40 AM	62

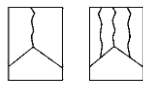
**Specimens molded/conditioned in accordance with ASTM C31/ASTM C1231*

LABORATORY COMPRESSIVE STRENGTH TESTING (ASTM C39)

Date of Test	Cylinder ID	Age	Cure	Avg Measured Diameter (in)	Cross Sectional (in ²)	PSI	Max. Load	Break Type
08/29/20	2A	3	LAB	6.00"	28.26"	3,930	111,020	2
09/02/20	2B	7	LAB	6.00"	28.26"	3,950	111,570	2
09/02/20	2C	7	LAB	6.00"	28.26"	4,090	115,600	2
09/23/20	2D	28	LAB	6.00"	28.26"	4,230	119,520	2
09/23/20	2E	28	LAB	6.00"	28.26"	4,470	126,270	2
	2F		HOLD					
	2G		HOLD					



Type 1
Reasonably well-formed cones on both ends, less than 1 in. [25 mm] of cracking through caps



Type 2
Well-formed cone on one end, vertical cracks running through caps, no well-defined cone on other end



Type 3
Columnar vertical cracking through both ends, no well-formed cones



Type 4
Diagonal fracture with no cracking through ends; tap with hammer to distinguish from Type 1



Type 5
Side fractures at top or bottom (occur commonly with unbonded caps)



Type 6
Similar to Type 5 but end of cylinder is pointed

Specific Sample Location:	Tank Floor		
Yards Placed:	90.0	yards³	Design Strength: 4000 psi
Density:			
Remarks:			

Reviewed By: Darlene Daniels

John Turner Consulting, Inc. considers the information contained in this report to be proprietary. Test results presented herein relate only to those items tested. This document and any information contained herein shall not be disclosed and shall not be duplicated or used in whole or in part for any purpose other than to validate test results without written approval from John Turner Consulting, Inc.

REPORT OF CONCRETE FIELD & LABORATORY TESTING

CLIENT: DN Tanks
 11 Teal Road
 Wakefield, MA 01880
 Attn: Mr. Jake Sreca

PROJECT: Middletown CT
 224 Talcott Ridge Drive
 Middletown, CT

DATE: September 30, 2020

REPORT #: 20-07-161-009

Page 3 of 3

General Location: Tank Floor

Date Cast: 8/26/2020
Field Rep: Stephen Sturges
Contractor: DN Tanks
Concrete Supplier: CT Ready Mix
Concrete Admixtures: Mix A
Air Temp: 85 °F
Weather: Sunny
Nominal Size of Aggr: 1 1/4"
Date Received by Lab: 8/27/2020

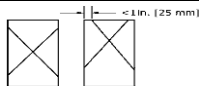
FIELD TEST RESULTS (Sampled in accordance with ASTM C172)

TICKET #	*# CYL	SLUMP TEST (in) (ASTM C143)	AIR CONTENT (%) (ASTM C231)	TEMPERATURE (°F) (ASTM C1064)	ELAPSED TIME		
					Batch	Final	Total (Min)
1008362	7	5.00"	2.40%	78 °F	8:28 AM	9:58 AM	90

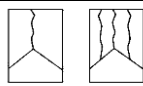
**Specimens molded/conditioned in accordance with ASTM C31/ASTM C1231*

LABORATORY COMPRESSIVE STRENGTH TESTING (ASTM C39)

Date of Test	Cylinder ID	Age	Cure	Avg Measured Diameter (in)	Cross Sectional (in ²)	PSI	Max. Load	Break Type
08/29/20	3A	3	LAB	6.00"	28.26"	3,450	97,420	2
09/02/20	3B	7	LAB	6.00"	28.26"	4,070	115,010	2
09/02/20	3C	7	LAB	6.00"	28.26"	4,120	116,380	2
09/23/20	3D	28	LAB	6.00"	28.26"	4,930	139,410	2
09/23/20	3E	28	LAB	6.00"	28.26"	5,150	145,440	2
	3F		HOLD					
	3G		HOLD					



Type 1
Reasonably well-formed cones on both ends, less than 1 in. [25 mm] of cracking through caps



Type 2
Well-formed cone on one end, vertical cracks running through caps, no well-defined cone on other end



Type 3
Columnar vertical cracking through both ends, no well-formed cones



Type 4
Diagonal fracture with no cracking through ends; tap with hammer to distinguish from Type 1



Type 5
Side fractures at top or bottom (occur commonly with unbonded caps)



Type 6
Similar to Type 5 but end of cylinder is pointed

Specific Sample Location:	Tank Floor		
Yards Placed:	90.0	yards³	Design Strength: 4000 psi
Density:			
Remarks:			

Reviewed By: Darlene Daniels

John Turner Consulting, Inc. considers the information contained in this report to be proprietary. Test results presented herein relate only to those items tested. This document and any information contained herein shall not be disclosed and shall not be duplicated or used in whole or in part for any purpose other than to validate test results without written approval from John Turner Consulting, Inc.