



CONSTRUCTION CONSULTING & TESTING, INC.

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Client: Century Cement
12670 Sibley Road
Riverview, MI 48193

Project: PW 7023

MDOT:

Date: August 26, 2021

CCT No.: 201-20086-16B

REPORT OF CONCRETE COMPRESSIVE STRENGTH

DATE OF POUR: 7/29/2021

LOCATION OF POUR:

SUPPLIER: Hercules

TICKET NO.: 424727
MIX I.D.: P1-DETM-1

FIELD DATA: Set 2 of 2

DATE: 7/29/2021
BATCH TIME: 2:42 PM
TEST TIME: 4:30 PM
AIR CONTENT (%): 7.0%
SLUMP (in.): 4 1/2
CONC. TEMP. (F): 84
AIR TEMP. (F): 88
UNIT WT. (pcf): ---
MOLDED BY: CCT

***Testing conforms to ASTM C 172, C 231, C 143, C 1064, C 138, C 31, & C 39/C 39M

LAB NO.	BREAK DATE	AGE (days)	DIA. (in)	AREA (sq. in.)	LOAD (lbs)	COMPRESSIVE STRENGTH (psi)	TYPE OF FRACTURE
1422	08/05/21	7	4	12.56	42,350	3370	5
1423	08/05/21	7	4	12.56	40,990	3260	5
1424	08/26/21	28	4	12.56	51,910	4130	3
1425	08/26/21	28	4	12.56	49,100	3910	3

Cylinder Size: 4" x 8"

28 DAY AVERAGE

4,020

28 DAY SPEC.

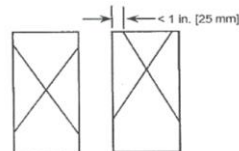
3,500

Comments:

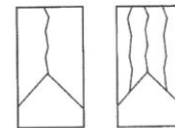
Reviewed By:

Mitch Forst, President

Distribution: Century Cement



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



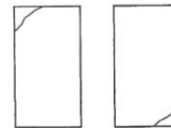
Type 2
Well-formed cone on one end, vertical cracks running through both ends, no well-defined cone on other end



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

Typical Fracture Patterns