



# CONSTRUCTION CONSULTING & TESTING, INC.

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Client: Century Cement  
12670 Sibley Road  
Riverview, MI 48193

Project: PW 7023

MDOT:

Date: July 24, 2021

CCT No.: 201-20086-10A

## REPORT OF CONCRETE COMPRESSIVE STRENGTH

DATE OF POUR: 7/17/2021

LOCATION OF POUR: Pavement: Conner NB @ Eugene south of Warren

SUPPLIER: Hercules

TICKET NO.: 126166

MIX I.D.: P1-DETM-1

FIELD DATA: Set 1 of 1

DATE: 7/17/2021

BATCH TIME: 1:47 PM

TEST TIME: 2:55 PM

AIR CONTENT (%): 6.2%

SLUMP (in.): 4

CONC. TEMP. (F): 86

AIR TEMP. (F): 78

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 |
|---------|------------|------------|-----------|----------------|------------|----------------------------|------------------|
| 1236    | 07/24/21   | 7          | 4         | 12.56          | 40,120     | 3190                       | 2                |
| 1237    | 07/24/21   | 7          | 4         | 12.56          | 39,650     | 3160                       | 2                |
| 1238    | 08/14/21   | 28         | 4         | 12.56          |            | 0                          |                  |
| 1239    | 08/14/21   | 28         | 4         | 12.56          |            | 0                          |                  |
|         |            |            |           |                |            |                            |                  |
|         |            |            |           |                |            |                            |                  |

Cylinder Size: 4" x 8"

7 DAY AVERAGE

3,175

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