



CONCRETE COMPRESSIVE STRENGTH

Test Method: ASTM C39

Report #: CC-000020
Sample 262956 28-day Low
Report Date: 10/01/2021
Sample: 262956

S&ME, Inc.
3201 Spring Forest Road
Raleigh, NC 27616
Phone: 919-872-2660
Fax: 919-876-3958

Client: SHEETZ, Inc.
1737 White Kennel Road
Burlington, NC 27215

Project: 214164
Sheetz #716 Cameron
Intersection of Sawyer Rd and NC Hwy 24
Cameron, NC 28326

Sample Details

Set #:	8	Technician:	HAZEM ISMAIL	Batched:	04:47 EDT
Specimen Size:	4" X 8"	Cast By:	HAZEM ISMAIL	Sampled:	05:25 EDT
Specimens In Set:	5	Date Cast:	09/03/21	Cast:	05:35 EDT
Truck / Ticket #:	0425 / 2446630	Sampled From:	Chute	Truck Empty:	06:00 EDT
Contractor:	Guardian Fueling Technology	Placement Method:		Placement Time:	73 (min)

Location

Placement Location:	TANK - Slab-on-Grade
Location Details:	Slab on grade over underground fuel storage tank
Sample Location / Notes:	Slab on grade over storage fuel tanks

Batch Log

Supplier:	06-S&W Ready Mix Concrete	Mix Design:	G40CB	Strength:	4000 (psi)
Plant:	Clinton			Air:	4.5 - 7.5 (%)
On-Site Admixtures:	10.00 Oz AEA-Air Entraining Admixture			Slump:	3 - 6 (in)

Specifications

Field Measurements

Weather:	Dark	Slump (in):	5 (ASTM C143)	Plastic Unit Weight:	142.0 (lb/ft³) (ASTM C138)
Air Temperature (F):	55	Concrete Temp (F):	75 (ASTM C1064)	Air Content:	5.0 (ASTM C231)
				Load Volume:	10.00 (yd³)

Standard Cure

Field Cure

Lab Test Results

Testing Lab: Raleigh, 3201 Spring Forest Road, Raleigh, NC, 27616

Specimen Number	Test Age Days	Test Date	Field / Lab Cure Days	Average Cylinder Diameter (in)	Cylinder Area (in²)	Max Load (lbs)	Strength (psi)	Fracture Type	Break Remark	Capping Method
8-1	7	09/10/21	5 / 2	3.99	12.50	38,480	3,080	3	P7	U
8-2	28	10/01/21	5 / 23	3.99	12.50	49,910	3,990	3	F	U
8-3	28	10/01/21	5 / 23	3.99	12.50	48,280	3,860	3	F	U
8-4	28	10/01/21	5 / 23	3.99	12.50	48,620	3,890	3	F	U
8-5	56 H	10/29/21	5 / 51							

Test Age Average Strengths (psi): 7 Day - 3080, 28 Day - 3920

Capping Methods

P7: The 7-day compressive strength test result meets or exceeds 70% of the 28-day specified strength.	U: Unbonded Caps (ASTM C1231)
F: The compressive strength test result DOES NOT meet the 28-day specified strength.	
Tested By: Melody BREWER (1), Mal KRAJAN (2,3,4)	
Checked In : 09/08/2021 (1,2,3,4,5)	



TYPE 1 TYPE 2 TYPE 3 TYPE 4 TYPE 5 TYPE 6

Reviewed/Prepared by:
Jan ROSS
Oct 01, 2021