

## Report of Concrete Compressive Strength

ASTM C-31 & C-39

**Project Name:** Portland ME - Canco Road CMP Truck Bay Addition -  
Materials Testing

**Project Number:** 11-0895

**Client:** H.E. Callahan Construction Co.

**Client Contract Number:**

**General Contractor:**

**Concrete Supplier:** AUBURN CONCRETE

### PLACEMENT INFORMATION

**Date Cast:** 10/7/2011      **Time Cast:**      **Date Received:** 10/10/2011

**Placement Location:** SLAB EXTENSION

**Placement Method:** TAILGATE

**Placement Vol. (yd<sup>3</sup>):** 40

**Cylinders Made By:** CHRISTOPHER HENES

**Aggregate Size (in):** 3/4

### INITIAL CURING CONDITIONS

**Temperatures**

**Minimum (°F)**                      **Maximum (°F)**

### DELIVERY INFORMATION

**Admixtures:** GLENIUM  
SUPER

### TEST RESULTS

**Slump (in) (C-143):** 5 3/4

**Load Number:** 3

**Air Content (%) (C-231):** 2.75

**Mixer Number:** 85

**Air Temp (°F):** 40

**Ticket Number:** 183289

**Conc. Temp (°F) (C-1064):** 59

**Cubic Yards:** 10

**Design (psi):** 4000

Cylinder Designation	Cylinder Weight (lbs)	Cylinder Diameter (in)	Cross Sectional Area (in <sup>2</sup> )	Date Of Test	Cure Type	Age (days)	Fracture Type	Load (kips)	Strength (psi)
317-3A		4.00	12.57	10/10/2011	Lab	3	4	51.0	4060
317-3B		4.00	12.57	10/21/2011	Lab	14	4	82.2	6540
317-3C		4.00	12.57	11/4/2011	Lab	28	4	85.2	6780
317-3D		4.00	12.57	11/4/2011	Lab	28	4	89.4	7120

Fracture Types



Cone



Cone and Split



Cone and Shear



Shear



Columnar

Remarks: