

Report of Concrete Compressive Strength

ASTM C-31 & C-39

Project Name: PORTLAND - OCEAN GATEWAY TERMINAL - MATERIALS TESTING **Project Number:** 05-0134

Client: REED & REED, INC.

Client Contract Number:

General Contractor:

Concrete Supplier: AUBURN CONCRETE

PLACEMENT INFORMATION

Date Cast: 8/8/2006 **Time Cast:** 4:10 **Date Received:** 8/9/2006

Placement Location: ELEVATOR SHAFT

Placement Method: CRANE/BUCKET

Placement Vol. (yd³): 10

Cylinders Made By: CKT

Aggregate Size (in): 3/4

INITIAL CURING CONDITIONS

Temperatures

Minimum (°F) **Maximum (°F)**

DELIVERY INFORMATION

Admixtures: POLYHEED 1020

TEST RESULTS

Slump (in) (C-143): 8

Load Number:

Air Content (%) (C-231): 4.7

Mixer Number: 97

Air Temp (°F): 81

Ticket Number: 103140

Conc. Temp (°F) (C-1064): 79

Cubic Yards: 10

Design (psi): 5075

Cylinder Designation	Cylinder Weight (lbs)	Cylinder Diameter (in)	Cross Sectional Area(In) ²	Date Of Test	Cure Type	Age (days)	Fracture Type	Load (kips)	Strength (psi)
561-19A		6.00	28.27	8/15/2006	Lab	7	4	182.5	6460
561-19B		6.00	28.27	9/5/2006	Lab	28	4	235.5	8330
561-19C		6.00	28.27	9/5/2006	Lab	28	4	249.0	8810
561-19D				Hold	Lab				

Fracture Types



Cone



Cone and Split



Cone and Shear



Shear



Columnar

Remarks: MDOT LP3 5075