

Compression Machine Maintenance Worksheet

Equipment ID: _____
 Manufacturer: _____
 Model #: _____
 Serial #: _____
 UofA ID: _____
 Location: _____

Date: _____
 Performed by: _____
 Next Calibration Due: _____
 Last Calibration: _____

Maintenance Item	Clean Head and lubricate Check fluid levels
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Maintenance Interval : Annually or as needed

[illegible]

Water Storage Tank Maintenance Worksheet

Equipment ID: Water Storage Tank

Manufacturer: _____

Model #: _____

Serial #: _____

UofA ID: _____

Location: Concrete Lab Moist Room

Date: _____

Performed by: _____

Next Calibration Due: _____

Last Calibration: _____

Maintenance Item	Stir water in tank to replace calcium ions
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Maintenance Interval : Once per month

[illegible]

Sulfur Capping Log

Equipment ID: Sulfur compound
 Manufacturer: _____
 Model #: _____
 Serial #: _____
 UofA ID: _____
 Location: _____

Date: _____
 Performed by: _____

Maintenance Item Verify Caps

For strengths < 7000 psi, caps can be no more than 1/4" thick (avg.), (5/16 indiv.)

For strengths > 7000 psi, caps can be no more than 1/8" thick (avg.), (3/16 indiv.)

Use calipers

[illegible]

2" cube test set

Equipment ID: 2" cube test set
 Manufacturer: _____
 Model #: _____
 Serial #: _____
 UofA ID: _____
 Location: _____

Date: _____
 Performed by: _____

 Next Calibration Due: _____
 Last Calibration: _____

Maintenance Item	Check for tightness of parts
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Calibration Procedure: Verify molds

Calibration Equipment: Steel bar, feeler gauges, calipers

[illegible]

Water Storage Tank Temperature Worksheet

Equipment ID: Water Storage Tank

Manufacturer: _____

Model #: _____

Serial #: _____

UofA ID: _____

Location: _____

Date: _____

Performed by: _____

Calibration Item: Maintenance of $23.0 \pm 2^\circ\text{C}$

Maintenance Item : Verify that correct temperature is being maintained in tank

(b) (5) DPP, (b) (5) ACP

[illegible]

Water Tank Temperature Recorder Calibration Worksheet

Equipment ID: Water Storage Tank

Manufacturer: _____

Model #: _____

Serial #: _____

UofA ID: _____

Location: _____

Date:

Performed by: _____

Next Calibration Due: _____

Last Calibration: _____

Calibration: Automatic control of $23.0 \pm 2^\circ\text{C}$

C. Procedure: Verify that temperature recorder is correct

Equipment: Nist Traceable Thermometer

[illegible]

Capping Compound Calibration Worksheet

Equipment ID: _____
 Manufacturer: _____
 Model #: _____
 Serial #: _____
 UofA ID: _____
 Location: _____

Date Received: _____
Received By: _____
Amount in Order: _____
Calibration Interval: 3 months
or before use

Calibration Item: Verify compressive strength of mortar

Calibration Procedure: ASTM C 617 - section 5

Calibration Equipment: cube mold, melting pot, capping compound, compression testing machine

[illegible]

Comments: _____

Alignment Device Calibration Worksheet

Equipment ID: _____
Manufacturer: _____
Model #: _____
Serial #: _____
UofA ID: _____
Location: _____

Date: _____
Performed by: _____
Next Calibration Due: _____
Last Calibration: _____

Calibration Item: Verify the device dimensions

Calibration Procedure: ASTM C 617 - 4.1

Calibration Equipment: digital calipers, straightedge, feeler gauges

Verify the device dimensions:

Thickness of plate: _____

Tolerance = at least 1/4"

Depth of recessed area: _____

Tolerance = no more than 1/2"

Diameter of plate: _____

Tolerance = at least 1" greater than
specimen diameter

Is surface plane within 0.002 inches? _____

Are alignment guides perpendicular
within 0.5 degrees (1/8" in 12")? _____

Pass/Fail: _____

Comments: _____

Initial By: _____