NOTE ON PERFORMANCE TESTING

Performance Profile Sheet(s) are included in a format that can be easily photocopied for each trainee. Performance tests are designed to measure competency in the tasks taught in each module.

Please note the number of tasks to be tested while teaching each module. Each trainee should be tested on all the tasks listed on the Performance Profile Sheet(s). Before performance testing, the instructor should brief the trainees on:
- Test objectives and criteria
- Safety precautions
- Procedures for each task to be tested

The instructor administering the performance testing should also do the following:
- Ensure that all of the needed equipment is available and operating properly.
- Set up the testing stations.
- Organize and administer the test in a way that allows for optimal performance.
- Complete the Performance Profile Sheet(s) for each trainee by assigning a pass/fail score for each listed task. Also, include the testing date for each task in the rating box.
- Monitor adherence to all safety regulations and precautions.
- Provide adequate supervision to prevent injuries.
- Take immediate and effective action to remedy any emergency.

Performance Testing

If Performance Testing is done as part of the National Center for Construction Education and Research Standardized Craft Training Program, the following conditions must be met:
1. The Craft Instructor must hold valid NCCER instructor certification for the craft being tested.
2. The training must be delivered through a Accredited Training Sponsor recognized by NCCER.
3. For every module, the specific performance testing must be completed to the satisfaction of the instructor.
4. The results of the testing must be recorded on the Training Report Form 200. This form must be provided to the local Accredited Training Sponsor to be forwarded to the NCCER National Registry.

Certified Plus Credential

Provided the sponsor is working through an NCCER-Accredited Assessment Center, candidates who successfully pass performance testing may be eligible for a Certified Plus Credential. A number of NCCER’s Performance Profiles cross over to NCCER’s Assessment Performance Verifications and may be completed simultaneously. Go to www.nccer.org and select the Assessments tab to locate the Performance Verifications associated with this craft. Note two other important conditions are required for the Certified Plus Credential:
1. Candidates must first pass the associated written assessment.
2. An NCCER-Accredited Assessment Administrator must sign off on the Performance Verification before it is submitted to NCCER.
Module 32301-08 has no Performance Profile Sheet; no performance testing is required for this module.
### Objective 1: Use a level.

- **Rating Levels:**
  - (1) Passed: performed task
  - (2) Failed: did not perform task

- **Recognition:**
  - When testing for the NCCER Standardized Craft Training Program, be sure to record performance testing results on Craft Training Report Form 200, and submit the results to the Training Program Sponsor.

### Objective 2: Use a feeler gauge.

### Objective 3: Use calipers.

### Objective 4: Use a micrometer.

### Objective 5: Use a dial indicator.

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<table>
<thead>
<tr>
<th>Objective</th>
<th>TASK</th>
<th>RATING</th>
</tr>
</thead>
<tbody>
<tr>
<td>6</td>
<td>6. Use a protractor.</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>7. Use gauge blocks.</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>8. Use speed measurement tools.</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>9. Use a pyrometer.</td>
<td></td>
</tr>
</tbody>
</table>
**Objective** | **TASK** | **RATING**
--- | --- | ---
1 | 1. Remove a bearing. | 
3 | 2. Install a bearing. |
<table>
<thead>
<tr>
<th>Objective</th>
<th>TASK</th>
<th>RATING</th>
</tr>
</thead>
<tbody>
<tr>
<td>1, 2</td>
<td>1. Identify, assemble, and install couplings as assigned by the instructor.</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>2. Remove a coupling using mechanical pullers.</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>3. Remove a coupling using the hydraulic or thermal method.</td>
<td></td>
</tr>
</tbody>
</table>
**Craft: Industrial Maintenance Mechanic**

**Module Number: 32305-08**

**Module Title: Setting Baseplates and Prealignment**

**TRAINEE NAME:** _____________________________________________________________

**TRAINEE SOCIAL SECURITY NUMBER:** _________________________________________

**CLASS:** __________________________________________________________________

**TRAINING PROGRAM SPONSOR:** _______________________________________________

**INSTRUCTOR:** _______________________________________________________________

**Rating Levels:**

(1) Passed: performed task   (2) Failed: did not perform task

Also, list the date the testing for each task was completed.

**Recognition:**

When testing for the NCCER Standardized Craft Training Program, be sure to record Performance testing results on Craft Training Report Form 200, and submit the results to the Training Program Sponsor.

**Certified Plus Credential:**

Trainees who successfully complete these performance tasks may be eligible for a Certified Plus Credential. Refer to the Note on Performance Testing of this Performance Profile for eligibility requirements, or contact NCCER for more information.

<table>
<thead>
<tr>
<th>Objective</th>
<th>TASK</th>
<th>RATING</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1. Establish baseplate and soleplate locations and elevations for a specified plate installation.</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>2. Set anchor bolts and shim packs.</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>3. Set up a piano wire jig.</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>4. Set a baseplate and soleplate.</td>
<td></td>
</tr>
</tbody>
</table>

continued
<table>
<thead>
<tr>
<th>Objective</th>
<th>TASK</th>
<th>RATING</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>5. Field-verify a plate installation.</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>6. Set a piece of driven equipment.</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>7. Set a driver.</td>
<td></td>
</tr>
</tbody>
</table>
Performance Profile Sheet (Page 1 of 2)

Craft: Industrial Maintenance Mechanic
Module Number: 32306-08
Module Title: Conventional Alignment

Trainee Name: ____________________________________________
Trainee Social Security Number: ____________________________
Class: ___________________________________________________
Training Program Sponsor: _________________________________

Instructor: ______________________________________________

Rating Levels: (1) Passed: performed task (2) Failed: did not perform task
Also, list the date the testing for each task was completed.

Recognition: When testing for the NCCER Standardized Craft Training Program,
be sure to record Performance testing results on Craft Training Report
Form 200, and submit the results to the Training Program Sponsor.

Certified Plus Credential: Trainees who successfully complete these performance tasks may be
eligible for a Certified Plus Credential. Refer to the Note on Performance
Testing of this Performance Profile for eligibility requirements, or contact
NCCER for more information.

<table>
<thead>
<tr>
<th>Objective</th>
<th>Task</th>
<th>Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>1. Use the straightedge and feeler gauge methods, and then a dial indicator to:</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Level and align the driven on a base.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Adjust vertical angularity of the driver.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Adjust vertical offset of the driver.</td>
<td></td>
</tr>
<tr>
<td>Objective</td>
<td>TASK</td>
<td>RATING</td>
</tr>
<tr>
<td>-----------</td>
<td>------</td>
<td>--------</td>
</tr>
<tr>
<td></td>
<td>• Adjust horizontal angularity of the driver.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Adjust horizontal offset of the driver.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Adjust vertical offset and angularity.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Adjust horizontal offset and angularity.</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>2. Check for and eliminate coupling stress.</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>3. Check for and calculate indicator sag.</td>
<td></td>
</tr>
</tbody>
</table>
Craft: Industrial Maintenance Mechanic
Module Number: 32307-08
Module Title: Installing Belt and Chain Drives

TRAINEE NAME: _____________________________________________________________

TRAINEE SOCIAL SECURITY NUMBER: _________________________________________

CLASS: ____________________________________________________________________

TRAINING PROGRAM SPONSOR: _______________________________________________
____________________________________________________________________________

INSTRUCTOR: _______________________________________________________________

Rating Levels: (1) Passed: performed task (2) Failed: did not perform task
Also, list the date the testing for each task was completed.

Recognition: When testing for the NCCER Standardized Craft Training Program,
be sure to record Performance testing results on Craft Training Report
Form 200, and submit the results to the Training Program Sponsor.

Certified Plus Credential: Trainees who successfully complete these performance tasks may be
eligible for a Certified Plus Credential. Refer to the Note on Performance
Testing of this Performance Profile for eligibility requirements, or contact
NCCER for more information.

<table>
<thead>
<tr>
<th>Objective</th>
<th>TASK</th>
<th>RATING</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1. Identify belt drive types.</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>2. Install a belt drive.</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>3. Identify chain drive types.</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>4. Install a chain drive.</td>
<td></td>
</tr>
</tbody>
</table>

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INSTALLING BELT AND CHAIN DRIVES — MODULE 32307-08 PERFORMANCE PROFILE 7.3
Craft: Industrial Maintenance Mechanic
Module Number: 32308-08
Module Title: Installing Mechanical Seals

TRAINEE NAME: _____________________________________________________________

TRAINEE SOCIAL SECURITY NUMBER: _________________________________________

CLASS: ____________________________________________________________________

TRAINING PROGRAM SPONSOR: _______________________________________________

____________________________________________________________________________

INSTRUCTOR: _______________________________________________________________

Rating Levels: (1) Passed: performed task (2) Failed: did not perform task
Also, list the date the testing for each task was completed.

Recognition: When testing for the NCCER Standardized Craft Training Program,
be sure to record Performance testing results on Craft Training Report Form 200, and submit the results to the Training Program Sponsor.

Certified Plus Credential: Trainees who successfully complete these performance tasks may be eligible for a Certified Plus Credential. Refer to the Note on Performance Testing of this Performance Profile for eligibility requirements, or contact NCCER for more information.

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<thead>
<tr>
<th>Objective</th>
<th>TASK</th>
<th>RATING</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1. Identify given mechanical seals and explain their applications.</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>2. Safely and accurately remove and inspect a mechanical seal.</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>3. Safely and accurately install a mechanical seal.</td>
<td></td>
</tr>
</tbody>
</table>