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 an 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 32401-09 has no Performance Profile Sheet; no performance testing is required for this module.
### Objective: Task

<table>
<thead>
<tr>
<th>Objective</th>
<th>TASK</th>
<th>RATING</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>1. Find detail drawings, using assembly drawings.</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>2. Find assembly drawings, using detail drawings.</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>3. Use a bill of materials to perform a materials takeoff.</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>4. Do a takeoff from an ISO drawing.</td>
<td></td>
</tr>
</tbody>
</table>

Copyright © 2009 National Center for Construction Education and Research. Permission is granted to reproduce this page provided that copies are for local use only and that each copy contains this notice.

ADVANCED BLUEPRINT READING — MODULE 32402-09 PERFORMANCE PROFILE
Craft: Industrial Maintenance Mechanic
Module Number: 32403-09
Module Title: Compressors and Pneumatic Systems

<table>
<thead>
<tr>
<th>Objective</th>
<th>TASK</th>
<th>RATING</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>1. Identify at least four components of basic pneumatic equipment.</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>2. Identify various types of compressors.</td>
<td></td>
</tr>
</tbody>
</table>

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.
**Performance Profile Sheet**

**Craft:** Industrial Maintenance Mechanic  
**Module Number:** 32404-09  
**Module Title:** Reverse Alignment

**Trainee Name:** _____________________________________________________________

**Trainee Social Security Number:** ___________________________________________

**Class:** __________________________________________________________________

**Training Program Sponsor:** _______________________________________________

**Instructor:** _______________________________________________________________

---

**Objective** | **Task** | **Rating**
---|---|---
3 | 1. Measure shaft runout, using a dial indicator jig. |  
4 | 2. Set up a complex reverse alignment jig. |  
5 | 3. Measure indicator sag, using a complex reverse dial indicator jig. |  
6 | 4. Perform reverse alignment, using the alignment demonstration rig and the graphical chart. |  
6 | 5. Perform reverse alignment, using the alignment demonstration rig and the mathematical equation. |  

---

**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.
Craft: Industrial Maintenance Mechanic
Module Number: 32405-09
Module Title: Laser Alignment

TRAINEE NAME: _____________________________________________________________

TRAINEE SOCIAL SECURITY NUMBER: _________________________________________

CLASS: ____________________________________________________________________

TRAINING PROGRAM SPONSOR: _______________________________________________

INSTRUCTOR: _______________________________________________________________

<table>
<thead>
<tr>
<th>Objective</th>
<th>TASK</th>
<th>RATING</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1. Identify the major components of the Optalign® laser alignment</td>
<td></td>
</tr>
<tr>
<td></td>
<td>system.</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>2. Perform a rough alignment.</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>3. Set up the laser alignment equipment.</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>4. Check the initial alignment.</td>
<td></td>
</tr>
</tbody>
</table>

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.

continued
<table>
<thead>
<tr>
<th>Objective</th>
<th>TASK</th>
<th>RATING</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>5. Draw a scale graphical plot of a machinery train.</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>6. Align the machinery train.</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>7. Vertically align a machine.</td>
<td></td>
</tr>
</tbody>
</table>
Module has no Performance Profile Sheet; no performance testing is required for this module.
Craft: Industrial Maintenance Mechanic

Module Number: 32407-09

Module Title: Troubleshooting and Repairing Pumps

<table>
<thead>
<tr>
<th>Objective</th>
<th>TASK</th>
<th>RATING</th>
</tr>
</thead>
<tbody>
<tr>
<td>1, 2</td>
<td>1. Inspect and/or troubleshoot a pump.</td>
<td></td>
</tr>
<tr>
<td>5, 6</td>
<td>2. Disassemble and reassemble a pump.</td>
<td></td>
</tr>
</tbody>
</table>

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.

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.
TRAIINEE 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 types of gearboxes.</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>2. Identify types of gears.</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>3. Troubleshoot a gearbox.</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>4. Disassemble and reassemble a gearbox.</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>5. Identify gear wear patterns.</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>6. Measure backlash and bearing clearance.</td>
<td></td>
</tr>
</tbody>
</table>