**PERFORMANCE PROFILE SHEET NCCER TRAINING**

**Craft: Industrial Maintenance Mechanic Module Number: 32102-07**

**Module Title: Tools of the Trade**

TRAINEE NAME:

APPRENTICE ID NUMBER:

CLASS:

TRAINING PROGRAM SPONSOR:

INSTRUCTOR:

**Rating Levels:**

**Recognition:**

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

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.

**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.

|  |  |  |
| --- | --- | --- |
| **Objective** | **TASK** | **RATING** |
| 3 | 1. Correctly use a pipe vise. |  |
| 3 | 2. Correctly use a pipe threading machine. |  |
| 3 | 3. Correctly use a cut-off machine. |  |
| 3 | 4. Correctly use a portable power drive. |  |
| 2, 3 | 5. Demonstrate inspection and basic maintenance of tools chosen by the instructor. |  |

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TOOLS OF THE TRADE — MODULE 32102-07 PERFORMANCE PROFILE 2.7

**PERFORMANCE PROFILE SHEET NCCER TRAINING**

**Craft: Industrial Maintenance Mechanic Module Number: 32103-07**

**Module Title: Fasteners and Anchors**

TRAINEE NAME:

APPRENTICE ID 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.

**Rating Levels:**

**Recognition:**

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

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.

|  |  |  |
| --- | --- | --- |
| **Objective** | **TASK** | **RATING** |
| 5 | 1. Install selected threaded fasteners. |  |
| 5 | 2. Install selected screws. |  |
| 5 | 3. Install selected anchors. |  |
| 5 | 4. Install selected toggle bolts. |  |

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FASTENERS AND ANCHORS — MODULE 32103-07 PERFORMANCE PROFILE 3.3

**PERFORMANCE PROFILE SHEET (PAGE 1 OF 2) NCCER TRAINING**

**Craft: Industrial Maintenance Mechanic Module Number: 32104-07**

**Module Title: Oxyfuel Cutting**

TRAINEE NAME:

APPRENTICE ID 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.

**Rating Levels:**

**Recognition:**

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

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.

|  |  |  |
| --- | --- | --- |
| **Objective** | **TASK** | **RATING** |
| 2 | 1. Set up oxyfuel equipment. |  |
| 3 | 2. Light and adjust an oxyfuel torch. |  |
| 4, 5 | 3. Shut down and disassemble oxyfuel equipment. |  |

continued

continued

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OXYFUEL CUTTING — MODULE 32104-07 PERFORMANCE PROFILE 4.5

**PERFORMANCE PROFILE SHEET (PAGE 2 OF 2) NCCER TRAINING**

**Craft: Industrial Maintenance Mechanic Module Number: 32104-07**

**Module Title: Oxyfuel Cutting**

|  |  |  |
| --- | --- | --- |
| **Objective** | **TASK** | **RATING** |
| 7 | 4. Perform oxyfuel cutting: |  |
|  | a. Straight line and square shapes |  |
|  | b. Piercing and slot cutting |  |
|  | c. Bevels |  |
|  | d. Washing |  |
| 8 | 5. Operate a track burner. |  |

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 4.6 INDUSTRIAL MAINTENANCE MECHANIC LEVEL ONE — MODULE 32104-07 PERFORMANCE PROFILE

**PERFORMANCE PROFILE SHEET NCCER TRAINING**

**Craft: Industrial Maintenance Mechanic Module Number: 32105-07**

**Module Title: Gaskets and Packing**

TRAINEE NAME:

APPRENTICE ID 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.

**Rating Levels:**

**Recognition:**

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

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.

|  |  |  |
| --- | --- | --- |
| **Objective** | **TASK** | **RATING** |
| 3 | 1. Layout and install a gasket. |  |
| 7 | 2. Cut and install packing. |  |
| 6 | 3. Install O-rings. |  |

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GASKETS AND PACKING — MODULE 32105-07 PERFORMANCE PROFILE 5.3

# Module 32106-07 has no Performance Profile Sheet; no performance testing is required for this module.

**PERFORMANCE PROFILE SHEET (PAGE 1 OF 2) NCCER TRAINING**

**Craft: Industrial Maintenance Mechanic Module Number: 32107-07**

**Module Title: Construction Drawings**

TRAINEE NAME:

APPRENTICE ID NUMBER:

CLASS:

TRAINING PROGRAM SPONSOR:

INSTRUCTOR:

**Rating Levels:**

**Recognition:**

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

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.

**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.

|  |  |  |
| --- | --- | --- |
| **Objective** | **TASK** | **RATING** |
| 2 | 1. Identify parts of a drawing: |  |
|  | * Title block
 |  |
|  | * Scales and measurements
 |  |
|  | * Symbols and abbreviations
 |  |
|  | * Notes
 |  |
|  | * Revision blocks
 |  |
|  | * Coordinates
 |  |

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continued

CONSTRUCTION DRAWINGS — MODULE 32107-07 PERFORMANCE PROFILE 7.3

**PERFORMANCE PROFILE SHEET (PAGE 2 OF 2) NCCER TRAINING**

**Craft: Industrial Maintenance Mechanic Module Number: 32107-07**

**Module Title: Construction Drawings**

|  |  |  |
| --- | --- | --- |
| **Objective** | **TASK** | **RATING** |
| 3 | 2. Identify the following: |  |
|  | * Drawing indexes
 |  |
|  | * Line lists
 |  |
| 1 | 3. Identify the following types of drawings: |  |
|  | * Plot plans
 |  |
|  | * Structural drawings
 |  |
|  | * Elevation and section drawings
 |  |
|  | * Equipment arrangement drawings
 |  |
|  | * P&IDs
 |  |
|  | * Isometric drawings
 |  |
|  | * Spool drawings
 |  |
|  | * Schematics
 |  |
|  | * Circuit diagrams
 |  |
|  | * Orthographic drawings
 |  |

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 7.4 CRAFT TITLE LEVEL NUMBER — MODULE 00000-06 PERFORMANCE PROFILE

**PERFORMANCE PROFILE SHEET NCCER TRAINING**

**Craft: Industrial Maintenance Mechanic Module Number: 32108-07**

**Module Title: Pumps and Drivers**

TRAINEE NAME:

APPRENTICE ID 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.

**Rating Levels:**

**Recognition:**

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

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.

|  |  |  |
| --- | --- | --- |
| **Objective** | **TASK** | **RATING** |
| 1 | 1. Identify centrifugal pumps. |  |
| 2 | 2. Identify rotary pumps. |  |
| 3 | 3. Identify reciprocating pumps. |  |
| 4 | 4. Identify metering pumps. |  |
| 5 | 5. Identify vacuum pumps. |  |

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continued

PUMPS AND DRIVERS — MODULE 32108-07 PERFORMANCE PROFILE 8.5

**PERFORMANCE PROFILE SHEET NCCER TRAINING**

**Craft: Industrial Maintenance Mechanic Module Number: 32109-07**

**Module Title: Valves**

TRAINEE NAME:

APPRENTICE ID 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.

**Rating Levels:**

**Recognition:**

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

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.

|  |  |  |
| --- | --- | --- |
| **Objective** | **TASK** | **RATING** |
| 1 | 1. Identify types of valves that start and stop flow. |  |
| 2 | 2. Identify types of valves that regulate flow. |  |
| 3 | 3. Identify valves that relieve pressure. |  |
| 4 | 4. Identify valves that regulate the direction of flow. |  |
| 5 | 5. Demonstrate how to properly store and handle valves. |  |
| 6 | 6. Identify valve locations and positions. |  |

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VALVES — MODULE 32109-07 PERFORMANCE PROFILE 9.5

**PERFORMANCE PROFILE SHEET NCCER TRAINING**

**Craft: Industrial Maintenance Mechanic Module Number: 32110-07**

**Module Title: Introduction to Test Instruments**

TRAINEE NAME:

APPRENTICE ID 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 Repor Form 200, and submit the results to the Training Program Sponsor.

**Rating Levels:**

**Recognition:**

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

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.

|  |  |  |
| --- | --- | --- |
| **Objective** | **TASK** | **RATING** |
| 1 | 1. Demonstrate the use of the following pieces of test equipment: |  |
|  | * Tachometer
 |  |
|  | * Pyrometer
 |  |
|  | * Multimeter
 |  |
|  | * Voltage tester
 |  |
|  | * Strobe light
 |  |
| 1 | 2. Demonstrate the use of automated diagnostics tools chosen by the instructor. |  |

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INTRODUCTION TO TEST INSTRUMENTS — MODULE 32110-07 PERFORMANCE PROFILE 10.3

**PERFORMANCE PROFILE SHEET (PAGE 1 OF 2) NCCER TRAINING**

**Craft: Industrial Maintenance Mechanic Module Number: 32111-07**

**Module Title: Material Handling and Hand Rigging**

TRAINEE NAME:

APPRENTICE ID NUMBER:

CLASS:

TRAINING PROGRAM SPONSOR:

INSTRUCTOR:

**Rating Levels:**

**Recognition:**

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

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.

**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.

|  |  |  |
| --- | --- | --- |
| **Objective** | **TASK** | **RATING** |
| 2 | 1. Perform a safety inspection on hooks, slings, and other rigging equipment. |  |
| 3 | 2. Select, inspect, and use special rigging equipment, including: |  |
|  | * Block and tackle
 |  |
|  | * Chain hoists
 |  |
|  | * Come-alongs
 |  |
|  | * Jacks
 |  |
|  | * Tuggers
 |  |

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continued

MATERIAL HANDLING AND HAND RIGGING — MODULE 32111-07 PERFORMANCE PROFILE 11.5

**PERFORMANCE PROFILE SHEET (PAGE 2 OF 2) NCCER TRAINING**

**Craft: Industrial Maintenance Mechanic Module Number: 32111-07**

**Module Title: Material Handling and Hand Rigging**

|  |  |  |
| --- | --- | --- |
| **Objective** | **TASK** | **RATING** |
| 4 | 3. Tie knots used in rigging. |  |
| 6 | 4. Determine the center of gravity of a load. |  |
| 3 | 5. Properly attach rigging hardware for routine lifts. |  |
| 5 | 6. Use and interpret hand signals. |  |
| 1 | 7. Perform sling tension calculations. |  |

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 11.6 CRAFT TITLE LEVEL NUMBER — MODULE 00000-06 PERFORMANCE PROFILE

**PERFORMANCE PROFILE SHEET NCCER TRAINING**

**Craft: Industrial Maintenance Mechanic Module Number: 32112-07**

**Module Title: Mobile and Support Equipment**

TRAINEE NAME:

APPRENTICE ID 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.

**Rating Levels:**

**Recognition:**

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

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.

|  |  |  |
| --- | --- | --- |
| **Objective** | **TASK** | **RATING** |
| 1 | 1. Describe an aerial lift inspection. |  |

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MOBILE AND SUPPORT EQUIPMENT — MODULE 32112-07 PERFORMANCE PROFILE 12.5

**PERFORMANCE PROFILE SHEET NCCER TRAINING**

**Craft: Industrial Maintenance Mechanic Module Number: 32113-07**

**Module Title: Lubrication**

TRAINEE NAME:

APPRENTICE ID 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.

**Rating Levels:**

**Recognition:**

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

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.

|  |  |  |
| --- | --- | --- |
| **Objective** | **TASK** | **RATING** |
| 1 | 1. Read and interpret an MSDS. |  |
| 1, 2 | 2. Identify and use lubrication equipment to apply lubricants. |  |
| 1, 3 | 3. Read and interpret a lubrication chart. |  |

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LUBRICATION — MODULE 32113-07 PERFORMANCE PROFILE 13.5