

## **NOTE ON PERFORMANCE TESTING**

Performance Profile Sheet(s) are included in a format that can be easily photocopied for each trainee. This examination is 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, and start and end times for each task in the rating boxes.
- 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 NCCER Standardized Craft Training Program, the following conditions must be met:

1. The Craft Instructor must hold valid NCCER instructor certification.
2. The training must be delivered through an Accredited Training Sponsor recognized by NCCER.
3. The specific performance testing must be completed successfully.
4. The results of the testing must be recorded on the Registration of Training Modules Form. This form must be provided to the local Accredited Training Sponsor to be forwarded to the NCCER Registry.

**Craft: Pipeline Maintenance Level Three**

**Module Number: 62307-02**

**Module Title: Tank Repair**



TRAINEE NAME: \_\_\_\_\_

TRAINEE SOCIAL SECURITY NUMBER: \_\_\_\_\_

CLASS: \_\_\_\_\_

TRAINING PROGRAM SPONSOR: \_\_\_\_\_

INSTRUCTOR: \_\_\_\_\_

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

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

<b>Objective</b>	<b>TASK</b>	<b>RATING</b>
1, 2, 3, 4, 5, 6, 7, 8	1. Perform tank repair activities per company procedure and/or using the tank repair critical steps checklist provided by your instructor.	

**Craft: Pipeline Mechanical**

**Module Number: 63209-02**

**Module Title: Install and Maintain Bearings**



TRAINEE NAME: \_\_\_\_\_

TRAINEE SOCIAL SECURITY NUMBER: \_\_\_\_\_

CLASS: \_\_\_\_\_

TRAINING PROGRAM SPONSOR: \_\_\_\_\_

INSTRUCTOR: \_\_\_\_\_

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

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

Objective	TASK	RATING
1	1. Identify types of bearings and explain how they work.	
2	2. Explain bearing designation.	
3	3. Troubleshoot bearings.	
3	4. Remove bearings.	
3	5. Install bearings.	

**Craft: Pipeline Mechanical**

**Module Number: 63210-02**

**Module Title: Install 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.

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

Objective	TASK	RATING
1	1. Identify types of mechanical seals and explain how they work.	
2	2. Explain mechanical seal classification.	
3	3. Remove a mechanical seal.	
3	4. Troubleshoot a mechanical seal.	
3	5. Install a mechanical seal.	

**Craft: Pipeline Mechanical**

**Module Number: 63211-02**

**Module Title: Maintain and Repair Drivers**



TRAINEE NAME: \_\_\_\_\_

TRAINEE SOCIAL SECURITY NUMBER: \_\_\_\_\_

CLASS: \_\_\_\_\_

TRAINING PROGRAM SPONSOR: \_\_\_\_\_

INSTRUCTOR: \_\_\_\_\_

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

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

Objective	TASK	RATING
1	1. Identify types of drivers.	
2	2. Inspect drivers.	
3	3. Replace bearings and seals.	
4	4. Perform preventive maintenance activities.	
5	5. Replace drivers.	

**Craft: Pipeline Mechanical**

**Module Number: 63301-02**

**Module Title: Installing Rotating Equipment**



TRAINEE NAME: \_\_\_\_\_

TRAINEE SOCIAL SECURITY NUMBER: \_\_\_\_\_

CLASS: \_\_\_\_\_

TRAINING PROGRAM SPONSOR: \_\_\_\_\_

INSTRUCTOR: \_\_\_\_\_

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

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

Objective	TASK	RATING
1	1. Identify and describe the inspection requirements for an equipment pad.	
2, 3, 4	2. Describe, inspect, and prepare equipment prior to installation.	
5	3. Describe the installation process for rotating equipment.	
6	4. Describe the process to relieve pipe stress from rotating equipment.	

**Craft: Pipeline Mechanical**

**Module Number: 63302-02**

**Module Title: Unit Alignment**



TRAINEE NAME: \_\_\_\_\_

TRAINEE SOCIAL SECURITY NUMBER: \_\_\_\_\_

CLASS: \_\_\_\_\_

TRAINING PROGRAM SPONSOR: \_\_\_\_\_

INSTRUCTOR: \_\_\_\_\_

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

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

Objective	TASK	RATING
1	1. Recognize and describe the four types of equipment misalignment.	
	2. Describe the major steps in performing each of the following:	
3	<ul style="list-style-type: none"> <li>• Conventional rim-and-face alignment</li> </ul>	
4	<ul style="list-style-type: none"> <li>• Reverse dial indicator alignment using the equation method of alignment</li> </ul>	

continued

**Craft: Pipeline Mechanical****Module Number: 63302-02****Module Title: Unit Alignment**

<b>Objective</b>	<b>TASK</b>	<b>RATING</b>
5	<ul style="list-style-type: none"><li>• Reverse dial indicator alignment using the graphical chart method of alignment</li></ul>	
6, 7	<ul style="list-style-type: none"><li>• Laser alignment</li></ul>	



**Craft:** Pipeline Mechanical  
**Module Number:** 63303-02  
**Module Title:** Vibration Analysis



TRAINEE NAME: \_\_\_\_\_

TRAINEE SOCIAL SECURITY NUMBER: \_\_\_\_\_

CLASS: \_\_\_\_\_

TRAINING PROGRAM SPONSOR: \_\_\_\_\_

INSTRUCTOR: \_\_\_\_\_

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

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

Objective	TASK	RATING
3	1. Identify and explain the different kinds of basic vibration test equipment.	

**Craft: Pipeline Mechanical**

**Module Number: 63304-02**

**Module Title: Maintain, Troubleshoot, and Repair Pumps**



TRAINEE NAME: \_\_\_\_\_

TRAINEE SOCIAL SECURITY NUMBER: \_\_\_\_\_

CLASS: \_\_\_\_\_

TRAINING PROGRAM SPONSOR: \_\_\_\_\_

INSTRUCTOR: \_\_\_\_\_

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

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

Objective	TASK	RATING
1	1. Describe the preventive maintenance requirements for a pump.	
2	2. Describe the inspection requirements for a pump.	
3	3. Demonstrate common troubleshooting techniques and identify common problems for a pump.	

continued

**Craft: Pipeline Mechanical**

**Module Number: 63304-02**

**Module Title: Maintain, Troubleshoot, and Repair Pumps**



Objective	TASK	RATING
	4. Demonstrate the common steps to perform each of the following:	
4	<ul style="list-style-type: none"> <li>• Prepare a pump for shutdown for maintenance or repair.</li> </ul>	
5	<ul style="list-style-type: none"> <li>• Remove a pump from a pipeline system for maintenance or repair.</li> </ul>	
6	<ul style="list-style-type: none"> <li>• Disassemble and reassemble a pump.</li> </ul>	
7	<ul style="list-style-type: none"> <li>• Install a pump after it has been reassembled.</li> </ul>	
8	<ul style="list-style-type: none"> <li>• Prepare a pump for startup and operational check after maintenance or repair has been completed.</li> </ul>	

**Craft: Pipeline Mechanical**

**Module Number: 63305-02**

**Module Title: Maintain, Troubleshoot, and Repair  
Gas Compressors**



TRAINEE NAME: \_\_\_\_\_

TRAINEE SOCIAL SECURITY NUMBER: \_\_\_\_\_

CLASS: \_\_\_\_\_

TRAINING PROGRAM SPONSOR: \_\_\_\_\_

INSTRUCTOR: \_\_\_\_\_

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

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

Objective	TASK	RATING
1	1. Identify the typical lubrication system components of a gas compressor.	
2	2. Describe the preventive maintenance requirements for a gas compressor.	
3	3. Demonstrate common troubleshooting techniques for a gas compressor.	

continued

**Craft: Pipeline Mechanical**

**Module Number: 63305-02**

**Module Title: Maintain, Troubleshoot, and Repair  
Gas Compressors**



Objective	TASK	RATING
	4. Demonstrate the common steps to perform each of the following	
4	<ul style="list-style-type: none"> <li>• Prepare a gas compressor for shutdown and repair.</li> </ul>	
5	<ul style="list-style-type: none"> <li>• Isolate a gas compressor from a pipeline system.</li> </ul>	
6	<ul style="list-style-type: none"> <li>• Repair a rotary and reciprocating gas compressor.</li> </ul>	
7	<ul style="list-style-type: none"> <li>• Prepare the gas compressor for start-up and operational check after maintenance or repair has been completed.</li> </ul>	

**Craft: Pipeline Mechanical**

**Module Number: 63309-02**

**Module Title: Maintain, Troubleshoot, and Repair  
Metering Devices and Provers**



TRAINEE NAME: \_\_\_\_\_

TRAINEE SOCIAL SECURITY NUMBER: \_\_\_\_\_

CLASS: \_\_\_\_\_

TRAINING PROGRAM SPONSOR: \_\_\_\_\_

INSTRUCTOR: \_\_\_\_\_

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

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

Objective	TASK	RATING
1, 2	1. Inspect, maintain, and repair metering devices.	
3, 4	2. Inspect, maintain, and repair prover systems.	
5	3. Calibrate prover systems.	