

## Offshore Maintenance Mechanic AENOMM01

Updated July 2023

### Focus Statement

A journey-level Offshore Maintenance Mechanic will be able to: identify hand tools, fasteners, and equipment used in the trade and distinguish their applications; blueprint reading, and master intermediate trade math; identify appropriate gaskets and O-rings according to their application; apply oxyfuel cutting techniques; properly use precision measuring tools; install packing and seals (including mechanical seals); remove and install bearings and couplings; fabricate shims; pre-align and install equipment; install belt and chain drives; distinguish types of alignment (conventional, laser and reverse) and identify the steps that must be taken for each; identify types of pumps common to the trade and distinguish their application, troubleshooting, and repairing procedures; identify types of compressors and their maintenance procedures; troubleshoot and repair gearboxes.

### Overview

- Three-hour closed-book examination
- May use a basic function, non-printing calculator
- No extra papers, books, notes or study materials are allowed

Minimum passing score is 75.

### Performance Verification

A corresponding hands-on Performance Verification is available.

### NCCER Curriculum

All NCCER knowledge assessments are referenced to NCCER's curriculum modules as listed on this specification sheet. This assessment is referenced to NCCER's 4th edition of the Millwright curriculum. You may order books and modules from Pearson by visiting [www.nccer.org/order-books-modules/](http://www.nccer.org/order-books-modules/)

### Assessment Development

All questions are developed and approved by subject matter experts under the direction of NCCER.

### Credentials

Upon successful completion of the knowledge assessment or performance verification, credentials can be viewed and printed by the individual or assessment program through their NCCER Account.

### Score Report and Training Prescription

Each candidate will have online access to their assessment results including their overall score and recommended training through their NCCER Account.

### Written Assessment Contents:

Module ID	Content Domain/Module Title	Number of Items
15102 15201 15205 15302	Millwright Basics and Fundamentals	16
15103 15209 15306	Bearings and Fasteners	9

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#### Written Assessment Contents:

Module ID	Content Domain/Module Title	Number of Items
15107 15304 15305	Packing, Seals, and Gaskets	9
15311 15412	Equipment Installation	14
15405 15411	Maintenance and Troubleshooting	6
15307 15313 15314 15406 15502	Alignment	23

**Total Number of Items**

**77**