



National Craft Assessment and Certification Program
S P E C I F I C A T I O N S

HEAVY EQUIPMENT OPERATOR: FORKLIFT
AEN22FORK03

February 2018

Focus Statement

A forklift operator will identify different types of forklifts and their applications on construction sites. He/she will master procedures for lifting, transporting, and placing various types of loads. He/she will also know the duties and responsibilities of operators, as well as safety rules, and operator preventive maintenance duties.

Overview

- Two-hour closed-book examination
- May use a basic function, non-printing calculator
- No extra papers, books, notes or study materials are allowed
- The minimum passing score is 75
- 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. You may order modules from Pearson (800.922.0579) or from NCCER's Online Catalog at www.nccer.org.

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, NCCER will send applicable credentials to the assessment center.

Score Report and Training Prescription

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

NCCER Registry

Knowledge assessment results are recorded in NCCER's Registry and become a part of the portable record of an individual's NCCER credentials.

Knowledge Assessment Contents:

Content Domain	Number of Questions
Safety (22102-12)	12
Basic Operations (22104-12)	8
Forklift Operations (22206-13)	25
Total Number of Questions	45



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Learning Objectives related to Assessment:

Safety	
Registry ID Number:	Module Title and Objectives:
22102-12	Heavy Equipment Safety
	Explain the importance of safety when working with heavy equipment.
	State the purposes of signs, tags, barricades, and lockout/tagout devices used on construction sites.
	Describe the long- and short-term health effects, first-aid measures, handling and storage, and/or required personal protective equipment (PPE) for a chemical using a material data safety sheet (MSDS).
	State general guidelines for safe operation, maintenance, and transportation of heavy equipment.
Basic Operations	
Registry ID Number:	Module Title and Objectives:
22104-12	Basic Operational Techniques
	Describe basic prestart activities for heavy equipment machinery.
	Describe basic safety measures associated with operating heavy equipment.
	Explain how to properly start, operate, and shut down the following types of heavy equipment: utility tractors, dozers, loaders, backhoes, excavators, compaction equipment, motor graders, scrapers, on-road dump trucks, off-road dump trucks, forklifts, skid steers, and trenchers.
Forklift Operations	
Registry ID Number:	Module Title and Objectives:
22206-13	Rough-Terrain Forklifts
	Identify and describe the components of a rough-terrain forklift. <ul style="list-style-type: none"> a. Identify and describe chassis components. b. Identify and describe the controls. c. Identify and describe the instrumentation. d. Identify and describe the attachments.
	Describe the prestart inspection requirements for a rough-terrain forklift. <ul style="list-style-type: none"> a. Describe prestart inspection procedures. b. Describe preventive maintenance requirements.
	Describe the startup and operating procedures for a rough-terrain forklift. <ul style="list-style-type: none"> a. State rough-terrain forklift-related safety guidelines. b. Describe startup, warm-up, and shutdown procedures. c. Describe basic maneuvers and operations. d. Describe related work activities.