



Timber Framers Guild

PO Box 60, Becket, MA 01223

413-623-9926 • Fax 888-453-0879 • will@tfguild.org

DRAFT

Part Ten Tools & Equipment Curriculum

10G FORKLIFT

DESCRIPTION

Demonstrate the safe care and use of forklifts for timber framing.

Demonstrate forklift inspection, and maintenance.

Identify hazards associated with forklifts.

Identify and describe appropriate PPE for use with forklifts.

Demonstrate safe operation of a forklift.

LEARNING TASKS	CONTENT
1. Identify hazards	<ul style="list-style-type: none">• OSHA Statistics• Service Manuals• Unbalanced Loads• Exceeding Load Limit• Toppling• Visibility, Driving & Backing Up• Terrain (Surface, Slope, etc.)• Environmental Damage• Fuel & Oil Spills• Overhead Cables / Electrocutation
2. Identify and describe PPE and safety equipment.	<ul style="list-style-type: none">• Warning Lights & Buzzers• High-Visibility Vests• Hard Hats• Safety Boots• Hearing Protection
3. Forklift types	<ul style="list-style-type: none">• Electric, Diesel, Gas & LPG Models• Traditional, Telescopic Forklifts / Tele- handlers & Side-Loaders• All-terrain / 4x4 & Solid-Tire Models• Safe Working Loads & Load Limits• Lifting Attachments, Buckets & Man Baskets
4. Forklift maintenance	<ul style="list-style-type: none">• Service & Maintenance Manuals• Protocols for Damaged / Unsafe Forklifts• Maintenance Tools & Consumables• Fuel, Hydraulics & Lubricants• Filters

	<ul style="list-style-type: none"> • Emergency Brakes, Lights & Safety Devices • Structural Defects • Miscellaneous (Pull Cords, Vibration Dampers, etc.)
5. Safe Operation of forklift	<ul style="list-style-type: none"> • OSHA Regulations • Good Practice • Hand Signals • PPE & Safety Equipment • Inspection of Forklift & Safety Features • Identify Lifting Capacity • Safe Starting Procedures & Warming Up • Cold Weather Issues (Chains, Start Up, etc.) • Rolling Timbers & Slabs • Safe Operation • Safe Parking & Shut-Down Procedures

GOALS FOR SUCCESSFUL COMPLETION

Theory:

- i) Given a multiple choice test of 40 recall/recognition type questions about forklift safety consisting of:
- PPE & Working around Forklifts (15 Questions)
 - Hazards (10 Questions)
 - Safe Operation & Loads (10 Questions)
 - Maintenance (10 Questions)

Learners will answer all questions within 40 minutes and score a minimum of 80% or 32 correct answers without reference materials.

Practical:

- ii) Given the following:
- Forklift
 - Forklift Maintenance Kit & Consumables
 - Operator's Service & Maintenance Manual for Forklift

Learners will perform a complete visual inspection, and correctly determine if it is fit for use (safe, all safety features/devices in operable condition, suitable for application, etc.). Learners will then perform routine maintenance as per the Operator's Manual. Learners will correctly determine the load limits of the machine.

- iii) Given the following:
- Forklift
 - PPE

Learners will perform a visual inspection of the forklift, and correctly determine if it is fit for use (safe, all safety features/devices in operable condition, suitable for application, etc.). Learners will safely and correctly operate the forklift and perform a variety of common tasks. Learners will select and use all appropriate PPE, and demonstrate correct start-up, parking and shut-down procedures.