

Brick Tending Forklift Syllabus

Time: 40 hours

Maximum Class Size: 12

Prerequisites: Forklift Safety

Course Description: This course is designed to empower the participant with the skills and knowledge to safely and productively operate rough terrain forklifts on masonry jobs. The 40-hour course will enable the participant to develop more advanced skills such as maneuvering through courses, lifting, placing and retrieving with straight-mast and extended-boom forklifts. The participants learn to calculate the weights of loads and the lifting capacities of the forklift. Participants are given ample time to practice and develop proficiency in these advanced skills.

Goals/Objectives/Student Learning Outcomes:

- Identify the location of all forklift controls.
- Identify OSHA and Cal/OSHA regulations related to the operation of rough terrain forklift.
- Describe the safe procedures of operating the rough terrain forklift.
- Demonstrate the safe procedure and smooth operation of the rough terrain forklift.
- Calculate the weights of materials and equipment to be lifted
- Describe the capacities of the Champ JLG Telehandler Forklift.
- Smoothly navigate forklift, forward and backward, through a designated course.
- Smoothly navigate forklift through limited clearance courses
- Raise materials, including near-capacity loads, to an elevated platform.
- Raise atypical loads to elevated platforms.

Classroom Rules and Procedures

- All classes begin at 6:30 am and end at 3:00 pm
- Upon entering classroom, all participants must sign in and be seated by 6:30 am
- Class will consist of a combination of lecture, video, demonstration, coached group exercises, individual exercises and assessment.
- Students are required to report to class ready to work and maintain the provided PPE

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Standards

- OSHA 29CFR 1910.178: Powered Industrial Trucks
 - Subpart E: Personal Protective Equipment
 - Subpart L: Scaffolds
 - Subpart M: Fall Protection
 - Subpart O: Motor Vehicles
 - Subpart Q: Concrete and Masonry Construction
 - Subpart W: Rollover Protective Structures
- Cal/OSHA Subchapter 7-General Industry Safety Order 3664: Operating Rules for Industrial Trucks.
- Cal/OSHA Sub-chapter 7-General Industry Safety Order for Training and Evaluation Competencies for Powered Industrial Trucks.

Textbooks/Readings/Materials

- Industrial Truck Forklift-Safe Operation-Cal/OSHA
- LIUNA: Rough Terrain Forklift
- DVD: LIUNA Rough Terrain Forklift
- LIUNA: Basic Construction Math IG/PG
- US Standard to Decimal System Conversion Table-LIUNA
- Champ Tow-a-Lift: General Specifications-Champ Corp.
- Model G6-42A Telehandler: Dimensions, Capacities and Specifications-JLG Industries
- Rebar Chart-US Concrete Products Corp.
- CMU Basics: Weights-Angeles Block Co. Inc.
- The Color of Danger DVD
- Forklift Training DVD
- 250 lb. capacity scale
- Photos of Champ and JLG forklifts
- PVC replica of forklift mast and forks

Tools/Equipment/Other Materials

- JLF Model G6-42A Telehandler Forklift
- Champ Model 350HLD Forklift
- Assorted masonry materials-blocks, brick, scaffold frames, planks, rebar, water barrels and mortar tubs.

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Personal Protective Equipment

- 12 pairs of gloves
- 12 pairs of Safety Glasses
- 20 pairs of Ear plugs
- 12 hard hats

Course Requirements

To receive credit for the course, participants must:

- Be present for full forty hours
- Participate in all classroom exercises
- Pass a written exam
- Pass a hands-on exam

Course Policies

- Participants must be on-time and ready to work.
- Participants must return from breaks on-time.
- Participants must participate in each exercise and assignment
- Participants who are on “light duty” are not allowed to take this course due to the physically demanding requirements.

Assessment and Grading

Participants will be assessed on the following:

- All written exams must be passed with a score of 80% or above.
- All hands-on exercises are graded on performance and participation. They are pass/fail and must be passed with a score of 80% or above.

Safety

Failure to maintain and use PPE may result in dismissal from the course.