

Skid Steer 2: Syllabus

Time: 8 hours

Maximum Class Size: 12

Prerequisites: Skid Steer 1

Course Description: Working safely and efficiently is the primary focus of the Skid Steer program. Knowledge is one of the key ingredients in developing safe work practices. This course reviews the step-by-step basics of skid-steer loaders including design concepts, operating controls, safety features, and basic operation. It reviews the concepts taught in Skid Steer 1 and continues with the presentation and use of the following hydraulic attachments: Breaker, Bucket, Auger, Grinder and Sweeper. Participants are given ample hands-on practice to develop these advanced skills.

Goals/Objectives/Student Learning Outcomes:

- Describe how weight distribution affects skid-steer loader steering and stability.
- Explain the difference between *Tipping Load* and *Rated Operating Capacity*.
- Demonstrate an understanding of the hydrostatic transmission, and how that the loader will react to the movement of the steering levers.
- Explain why maintenance is an important factor for safe, efficient, and productive operation.
- Identify the controls and their functions.
- Identify the loader's safety features and explain their importance.
- Explain and demonstrate the steps of safe entry and exit.
- Describe the reason for changing attachments.
- Know the fundamentals of safe maneuvering, traveling, and working with the attachment.
- Demonstrate the hand signals, daily inspection, start up and shut down procedures.
- Demonstrate the safe attachment and removal of the following hydraulic attachments: Breaker, Bucket, Auger, Grinder and Sweeper (Brush).
- Demonstrate proficiency in using the five hydraulic attachments.

Standards

- OSHA 19 CFR Part 1926.600, 602 (a) Subpart O-Materials Handling, Motor Vehicles & Mechanized Equipment

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- OSHA 19 CFR Part 1926.1000 Subpart O-Rollover Protective Structures; Overhead Protection
- Cal/OSHA Subchapter 4, Article 10-Haulage & Earth Moving Equipment: 1590-1596

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

Textbooks/Readings/Materials

- Laborers Training School Instructor Outline
- OSHA Bulletin: Hazards in Skid Steer Operation
- Skid Steer 2 Hands-On Assessment

Tools/Equipment/Other Materials

- Bobcat or New Holland Skid Steer
- Hydraulic Attachments: Breaker, Bucket, Auger, Grinder, Sweeper
- Cement Slab to break
- Asphalt area to grind

Personal Protective Equipment

- 12 pairs of gloves
- 12 pairs of safety glasses
- 20 pairs of earplugs
- 12 hard hats

Course Requirements

To receive credit for the course, participants must:

- Be present for full eight hours
- Participate in all classroom exercises
- Pass a hands-on evaluation

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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 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.