



Lesson 1: Goals & Objectives of this Lesson

- Safe Productivity.
- Introduction.
- Goals and Objectives.
- What is a professional?

Lesson 2: Components & Control Identification

- Goals and Objectives of this Lesson.
- Operator's Manual.
- Basic Machine Parts.
- ROPS/ FOPS.
- Wear Characteristics.
- Machine Variations.
- Self-Propelled / Pull Types.
- Controls.
- Brakes.
- Hydraulic Warning.
- Tire Life.
- Instrument Panels.
- Parking Brake.
- Instrumentation.
- Brakes / Braking System.
- Check Your Knowledge.

Lesson 3: Safety & Warning Symbols

- Goals and Objectives of this Lesson.
- Basics of Safety.
- Frequent Causes of Accidents.
- Safety Alerts.
- Safe Environment.
- Medication Warning.
- Personal Protective Equipment (PPE).
- Operator's Station Safety.
- Safety Warning Decals.
- Fire Prevention.
- Refueling Safety.
- Pinch Points.
- No Riders.
- Hand Signals.
- Operator Fatigue.
- Responsibility.
- Check Your Knowledge.



Lesson 4: Pre-Start Procedures

- Goal and Objectives of this Lesson.
- Checklist.
- Operator's manual.
- Checks.
- What to Look For.
- Operator's Station.
- Fire Prevention.
- Safety Decals.
- Pre-Start Procedures.
- Proper Mount / Dismount.
- Lockout / Tag Out.
- Seat Belt.
- Hydraulic Warning.
- Battery Safety.
- Review.
- Check Your Knowledge.

Lesson 5: Starting Procedures

- Goals and Objectives of this Lesson.
- Starting Procedures.
- Machine Start-Up.
- Master Switch.
- Operator's Compartment Safety.
- Pre-Start Procedures.
- Checks.
- Starting the Engine- Warm Weather.
- Check Gauges.
- Cold Weather Start.
- Jump-Starting.
- Check Your Knowledge.

Lesson 6: After Starting Checks

- Goals and Objectives of this Lesson.
- Operator's Manual.
- Inspection.
- Check Gauges Regularly.
- After Engine Start.
- What to Check for.
- Check Your Knowledge.

**Lesson 7: Operation and Safety**

- Goals and Objectives of this Lesson.
- Before You Operate.
- Inspecting the Jobsite.
- Planning the Job.
- General Precautions.
- Push / Pull Operation.
- Traveling.
- Using a Spotter.
- Rules of the Road.
- Adverse Weather Conditions.
- Backing-Up.
- Visibility.
- No Riders!
- Working in Congested Areas.
- Equipment Uses.
- The Production Cycle- Loading, Dumping, etc.
- Overhead Utilities.
- Underground Utilities.
- Towing.
- Master Switch.
- Tips to Live By.
- Description of a Fatal Accident.
- Check Your Knowledge.

Lesson 8: Machine Shutdown

- Goals and Objectives of this Lesson.
- Parking.
- Proper Shutdown Procedures.
- Prevent vandalism.
- Check Your Knowledge.

Lesson 9: Advantages and Limitations

- Goals and Objectives of this Lesson.
- Know Your Machine.
- Operator's Manual.
- Advantages and Limitations.
- Machine Dimensions.
- Capacities and Limitations.
- Check Your Knowledge.



Lesson 10: Load Securement and Tie-Down

- Goals and Objectives of this Lesson.
- Transporting on a Trailer.
- Work Load Limit.
- Ratchet Binders.
- Check Your Knowledge.

Lesson 11: Preventive Maintenance

- Goals and Objectives of this Lesson.
- Introduction.
- Benefits.
- Beginning the Program.
- Records.
- Failures and Warnings.
- Spot-Check.
- Pre-Service.
- Inspection Form.
- Check Your Knowledge.