

Asphalt Roller Machine Overview

- Identify:
 - Engine
 - Water tank
 - Drum
 - Vibration system
- Demonstrate how to:
 - Read water gauge
 - Read fuel level gauges
 - Explain the function of each control and gauge

Machine Safety Features

- Use the emergency stop button to shutdown the machine in case of an emergency
- Recognize different safety features of the machine
 - ROPS (rollover protective structure)
 - Seat belts
 - Mirrors
- Demonstrate how to properly wear PPE
 - Safety glasses
 - Earplugs
 - Hard hats
- Effectively communicate with others on the job site
- Start and stop the machine in a safe manner
- Identify potential hazards before starting the machine
- Control the machine's speed and direction by maintaining a safe distance from other equipment and personnel while avoiding obstacles.
- Demonstrate the ability to safely operate the asphalt roller machine

Overview of Pre-Operation Inspection

- Identify the different components of the pre-operation inspection and their functions.
- Use the checklist to perform a pre-operation inspection
- Explain the importance of a walk-around and pre-operation inspection and the different components involved in it.
- Check the machine's
 - Steering wheel
 - Pedals

Asphalt Roller Check Off

- Brakes
- Visually inspect the machine's exterior
 - Drums and/or tires
 - Test the machine's functionality and performance
 - Perform maintenance and troubleshooting tasks on the machine

Hands-On Demonstration

- Start and stop the machine
- Change the machine's speed and direction
- Operate the machine's controls
 - Steering wheel
 - Pedals
 - Drum control levers
- Read the gauges
 - Speedometer
 - Fuel level gauges
 - Water level gauges
- Use the different controls to navigate and maintain a safe distance from other equipment and personnel
- Use the drum control levers to compact the material

Vibration System Operation

- Adjust the vibration system based on the type of material and job site conditions.
- Use the vibration system to enhance the compaction process.

Operating in Varying Job Site Conditions

- Demonstrate how to operate the machine in varying job site conditions, including on slopes or in tight spaces
- Adjust speed, direction, and control settings in varying job site conditions, including on slopes or in tight spaces, to enhance the compaction process
- Identify and avoid potential hazards in varying job site conditions
- Operate the machine in varying job site conditions safely and effectively
- Compact material in tight spaces using different techniques
- Use different techniques to ensure that the material is properly compacted