

## Working Under Tipper Bodies & Tilt Cabs

### Annual Refresher Training Document

#### Introduction

Welcome to your **Working Under Tipper Bodies & Tilt Cabs Annual Refresher Training**. This document is designed to provide you with key safety procedures and guidelines to ensure safe practices when working under tipper bodies and tilt cabs, which are commonly found in various vehicles used for hauling materials.

Before continuing with this document, it is **mandatory** that you have watched the **supplied training video**. This video provides vital visual instructions and safety procedures that are essential for understanding the hazards and best practices for working under tipper bodies and tilt cabs. Watching the video is a prerequisite for proceeding with this training.

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#### Training Objectives

After completing this refresher training, you will be able to:

1. Recognize the specific hazards associated with working under tipper bodies and tilt cabs.
  2. Understand the safe operating procedures when working under these vehicles.
  3. Identify the correct tools, equipment, and safety systems used for securing tipper bodies and tilt cabs.
  4. Follow the proper steps to safely perform maintenance, inspections, or repairs on vehicles with tipper bodies and tilt cabs.
  5. Complete the necessary documentation related to safety checks and work performed.
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#### 1. Overview of Tipper Bodies & Tilt Cabs

Tipper bodies and tilt cabs are used in vehicles for transporting bulk materials or for specialized applications such as waste removal or construction. Working underneath these types of vehicles presents unique risks, especially when the body or cab is raised, as it can be unstable and prone to sudden movement.

The **supplied video** will have demonstrated how to identify these hazards and take the appropriate safety measures before beginning any work under or near these components.

#### Key Components of Tipper Bodies & Tilt Cabs

- **Tipper Body:** The raised cargo compartment of a vehicle that is used to transport loose materials like sand, gravel, or debris. The body tilts to unload its contents.
- **Tilt Cab:** The front cab of the vehicle that can tilt to provide access to the engine and other components for maintenance.
- **Hydraulic Systems:** Both tipper bodies and tilt cabs rely on hydraulic systems for lifting and tilting. These systems must be inspected regularly for leaks and faults.

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## 2. Key Hazards When Working Under Tipper Bodies & Tilt Cabs

As demonstrated in the **supplied training video**, working under a tipper body or tilt cab can be hazardous if safety precautions are not followed. The following are some of the key hazards:

### A. Unstable Loads

- When a tipper body is raised, it is important to ensure that the load inside is balanced and secure. An unbalanced load could cause the body to tip unexpectedly, leading to potential injury.

### B. Hydraulic Failures

- Hydraulic systems used for raising tipper bodies and tilt cabs can fail due to leaks, faulty seals, or other mechanical issues. A failure of the hydraulic system can lead to sudden drops, posing a serious risk to anyone working underneath.

### C. Unexpected Tilting

- Tilt cabs, when improperly supported, can fall unexpectedly, particularly if the hydraulic mechanism is not properly secured. Always ensure that the cab is properly supported before working underneath.

### D. Crushing Hazards

- There is a significant risk of crushing injuries when working under vehicles with raised bodies or cabs. It is critical to never work under a raised vehicle without proper support in place.

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## 3. Safe Operating Procedures for Working Under Tipper Bodies & Tilt Cabs

The **supplied video** provides key visual demonstrations on the procedures and safety measures you must follow when working under tipper bodies and tilt cabs. Below are the critical steps for safely performing this type of work.

### A. Inspecting the Vehicle Before Lifting

1. **Check the Hydraulic System:** Ensure that the hydraulic system for the tipper body or tilt cab is functioning correctly. Look for any visible signs of wear, leaks, or damage to hoses and cylinders.
2. **Inspect the Load:** If the tipper body is raised, verify that the load is balanced and that there are no objects that could shift and cause instability.
3. **Ensure the Vehicle is on Level Ground:** Always work on stable, level ground. Avoid working on slopes or uneven surfaces that could cause instability.

### B. Secure the Vehicle

1. **Apply Parking Brakes:** Always engage the parking brake on the vehicle to prevent any unintended movement.
2. **Wheel Chocks:** Place wheel chocks on both sides of the vehicle's wheels to prevent any rolling or shifting during the operation.

### C. Use of Safety Supports

1. **Use Mechanical Supports for the Tipper Body or Tilt Cab:** Never rely solely on hydraulic power to keep the tipper body or tilt cab raised. Always use appropriate mechanical supports (e.g., safety props, locks, or stands) that can prevent the body or cab from falling unexpectedly.
2. **Ensure Supports are Properly Placed:** Double-check that supports are securely positioned at the designated areas before entering underneath the vehicle.
3. **Never Work Alone:** Always have a colleague or supervisor present to assist in case of an emergency.

### D. Lifting Procedures

1. **Operate the Hydraulic System Carefully:** If you need to raise or tilt the vehicle, ensure the hydraulic system is operated slowly and carefully. Avoid sudden movements that could cause instability.
2. **Watch for Fluid Leaks:** Ensure that the hydraulic system is not leaking fluid before initiating any lifting. Leaks can indicate a malfunction and may lead to a failure.

### E. When Working Under the Vehicle

1. **Only Work Under Properly Supported Vehicles:** Ensure that the vehicle is secured with proper safety supports before going underneath. Do not work under a raised vehicle without proper mechanical support.
2. **Inspect and Maintain the Supports:** While working, check periodically to ensure the supports remain in place and have not shifted or become unstable.
3. **Use Personal Protective Equipment (PPE):** Always wear appropriate PPE, including gloves, safety glasses, and hard hats, to protect yourself from potential hazards.

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## 4. Emergency Procedures

If an emergency occurs while working under a tipper body or tilt cab, the following steps should be taken immediately:

1. **Raise the Alarm:** Alert everyone in the vicinity that there is a problem.
  2. **Move to a Safe Location:** If the vehicle shows signs of instability, move to a safe distance and instruct others to do the same.
  3. **Shut Off the Power:** If possible, turn off the vehicle's engine and hydraulic system to prevent further movement.
  4. **Contact Emergency Services:** If someone is injured or trapped, contact emergency services for immediate assistance.
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## 5. Maintenance and Inspection

Regular maintenance and inspection are essential to ensure that tipper bodies and tilt cabs function safely. Follow these steps:

### A. Regular Inspections

1. **Check Hydraulic Lines:** Inspect hydraulic lines, cylinders, and hoses for any signs of damage or wear. Ensure they are free from leaks.
2. **Test Safety Mechanisms:** Ensure that safety locks, props, or supports are functioning correctly and can securely hold the vehicle in a raised position.
3. **Inspect Load Area:** Ensure that the tipper body's load area is clean, and check that there are no obstructions or materials that could shift during operation.

### B. Perform Scheduled Maintenance

- Ensure that the hydraulic system is serviced regularly and that all moving parts, such as hinges and support brackets, are lubricated and in good working condition.
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## 6. Documentation and Reporting

It is essential to maintain accurate records related to the use, inspection, and maintenance of tipper bodies and tilt cabs.

### A. Inspection Logs

- Complete daily checks for hydraulic system function, vehicle stability, and safety support functionality.
- Record any issues or malfunctions immediately, and ensure that they are reported to the supervisor or maintenance team for follow-up.

### B. Incident Reports

- If any accidents or near-misses occur, complete an incident report immediately, documenting the circumstances and any corrective actions taken.
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## Conclusion

Thank you for completing your **Working Under Tipper Bodies & Tilt Cabs Annual Refresher Training**. By following the procedures and safety guidelines outlined in this document and the supplied video, you will be able to perform your tasks safely and efficiently while minimizing risks.

If you have any questions or require clarification, please feel free to reach out to your supervisor or the Training Coordinator.

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Employee Name: \_\_\_\_\_ Date: \_\_\_\_\_

Supervisor Signature: \_\_\_\_\_