

EHS TRAINING MODULE

**Delphi - TVS
Technologies** 

◆ DTVS EHS POLICY

- Have to show the DTVS EHS Policy, highlighting the key commitments of the organization (**Safe & Healthy Workplace , Environmental Protection, 5R, Employee engagement, Continual improvement**) & EHS policy requirements - what is expected from everyone (**Maintaining a safe workplace, Environment impact reduction in all daily activities by 5R, Active Participation**)
- Actual photographs of the EHS policy display boards placed in shop-floor locations to be shown to reinforce the culture and **Purpose of display** to be shown – (**Daily reinforcement of safety commitment , Easy visibility and recall, Creating awareness**)

◆ SAFETY CULTURE CONCEPTS TO SHARE - Visual Representations

- Safety is everyone's responsibility
- Safety First – Always & Our Aim - Zero Accident
- Think Before You Act

◆ 10 RULES FOR WORKPLACE SAFETY – Generic visuals & Videos

◆ ROLES AND RESPONSIBILITIES IN SAFETY & IMPORTANCE OF SAFETY AT WORKPLACE – Generic visuals

- Follow Safety Rules and Instructions, Work Only After Proper Training and Authorization, Report Unsafe Conditions and Hazards, Report Accidents and Near Misses Immediately, Maintain Cleanliness and Housekeeping, Follow Emergency Procedures and Evacuation Plans, Cooperate in Safety Training and Toolbox Talks

◆ INDUSTRIAL HAZARDS

- Definition
- Type of Industrial Hazards – Visuals
- Hazards a Comparison - At Home vs Industry
- How To Handle It - **Identify → Assess → Control → Practice → Report** - 5 Steps Visuals

◆ ACCIDENTS

- Definition
- How Accidents Happening In Manufacturing & Daily Life – Common Overview
- Heinrich's TRIANGLE
- Cause For Accidents – UNSAFE CONDITION & UNSAFE ACT

◆ UNSAFE ACT

- Definition
- **Real-life Sample video to be shown** - Accidents related to unsafe conditions
- Examples - Not following Safety rules, Not following operating procedures, Operating un authorized Machines, Bypassing safety systems, Not using proper PPE, Disturbing others while working, Playing in the working areas - Visuals & Videos
- Real example of an accident happened in accident caused by an unsafe act to be shown each example (Shown below)
- **Unsafe Act Audits** are conducted by safety officers, line supervisors, managers, and external auditors, who observe employees and if any unsafe act is seen , actions are taken as per sop of reaction plans of USA

Workplace Accident Case Study

What Happened?

Operator noticed burns on the machine bed inside the Wasino machine. While manually removing a burr from a slightly stuck portion on the machine bed bolts, he sustained a **Laceration** to his right-hand thumb.
First aid done at OHC and sent to Jaya hospital for further treatment (3 sutures in right-hand thumb finger)

Incident Overview

- Department: FPD
- APU: Injector
- Location: Nozzle soft (Bulbous Tuning)
- Machine: Wasino - ill
- Injured Person: Harish
- CC No: DV0603, 05.12.2025
- Date & Shift: 3rd shift (6am)

Unsafe Act

Lack of safety awareness, improper method for burr cleaning, Did not follow PPE requirements

Consequences

Injury: Laceration to righthand thumb
Medical Treatment: Hospital visit and suture
Potential Risk: Production delay, reduced operator efficiency

Root Cause

Lack of safety awareness and inadequate training → Operator used an improper method and also didn't adhere the PPE requirement for burr cleaning activity

Preventive Measures

- Conduct training on safe burr clearing methods
- Enforce proper PPE usage during burr cleaning activity
- Supervisors ensure safe practices are followed before starting work
- Review SOPs for burr removal and machine handling

Lesson Learned:

- Even simple manual tasks can cause serious injuries.

Always follow SOPs and wear proper PPE.

◆ UNSAFE CONDITION

- Definition
- **Real-life Sample video to be shown** - Accidents related to unsafe conditions
- Examples - Unguarded Machines, Wet & Slippery floor, High Noise areas, Poor lighting & Poor Ventilation, No proper Protective Gear, Poor house keeping, Damaged electrical cables - Visuals & Videos
- Real example of an accident happened in accident caused by an unsafe condition to be shown each example (Shown below)
- Unsafe condition identified through safety FLM – Document to be shown & real photos for 4 to 5 points with explanation

The image is a screenshot of a workplace accident case study. At the top, it says 'Workplace Accident Case Study'. Below that, there are two main sections: 'UNSAFE CONDITION' and 'Unsafe Condition'. The 'UNSAFE CONDITION' section shows a worker's hand being caught in a machine's lock mechanism. A red circle highlights the point of injury. The 'Unsafe Condition' section contains several bullet points:

- ⚠ Presence of sharp edges on the upper lock flanges of trolley
- ⚠ During this process, the victim's right hand finger became caught in the lock mechanism of the upper rack.

Below these are sections for 'Root Cause' (presence of sharp edges on the upper lock flanges of trolley), 'Preventive Action' (trainees and line supervisors to properly inspect and maintain trolleys, continual monitoring of all component handling), and 'Lesson Learned' (Always inspect and maintain trolleys, follow the lift checklist to prevent injuries during component handling).

Unsafe Condition: Unguarded Coupling



Safe Condition: Guarded Coupling



- Spot the hazard picture to be shown for identification of USA & USC

- ◆ **NEARMISS INCIDENTS**

- Definition
- **Sample videos** related to nearmiss incidents
- Real example of nearmiss incident happened in DTVS to be shown in Case study format

- ◆ **REPORTABLE ACCIDENT – CASE STUDY FORMAT WITH DETAILED EXPLANATION TO BE GIVEN**

- ◆ **Safe Work Practices** - Before Using a Machine safety FLM to be followed and abnormality reported , During Machine Operation – follow as per SOP, After Using a Machine - Switch off and isolate power if required, clean the m/c and area
- ◆ **Safety systems in all machines & its purpose – Full view of single machine - Visuals**
 - Double hand push button – Purpose & how its operating – Actual video
 - Safety curtains - Purpose & how its operating – Actual video
 - Interlocking system - Purpose & how its operating – Actual video
 - Emergency Stop Systems - Purpose & how its operating – Actual video
 - Machine Guarding – Purpose – Actual video

- ◆ What is PPE
- ◆ PPE importance
- ◆ Types of PPE and When to Use
- ◆ How to Use PPE Correctly
- ◆ Common Mistakes to Avoid
- ◆ PPE sticker provided in all machines – Actual photographs to be shown

- ◆ Emergency preparedness followed in DTVS – Basic roles and What to do
 - Alarm raising
 - Familiarize yourself with all exit routes and assembly points.
 - Know how to quickly alert emergency services (Emergency contact number) if needed
 - Emergency Actions in Machine Areas
- ◆ Fire Safety & its purpose & also DO & Donts– Actual photos
 - Fire extinguisher
 - Fire alarm system
 - Co2 flooding

TITLE 6 MATERIAL HANDLING

TITLE 8 CHEMICAL HANDLING

TITLE 9 SAFETY SIGNAGES

