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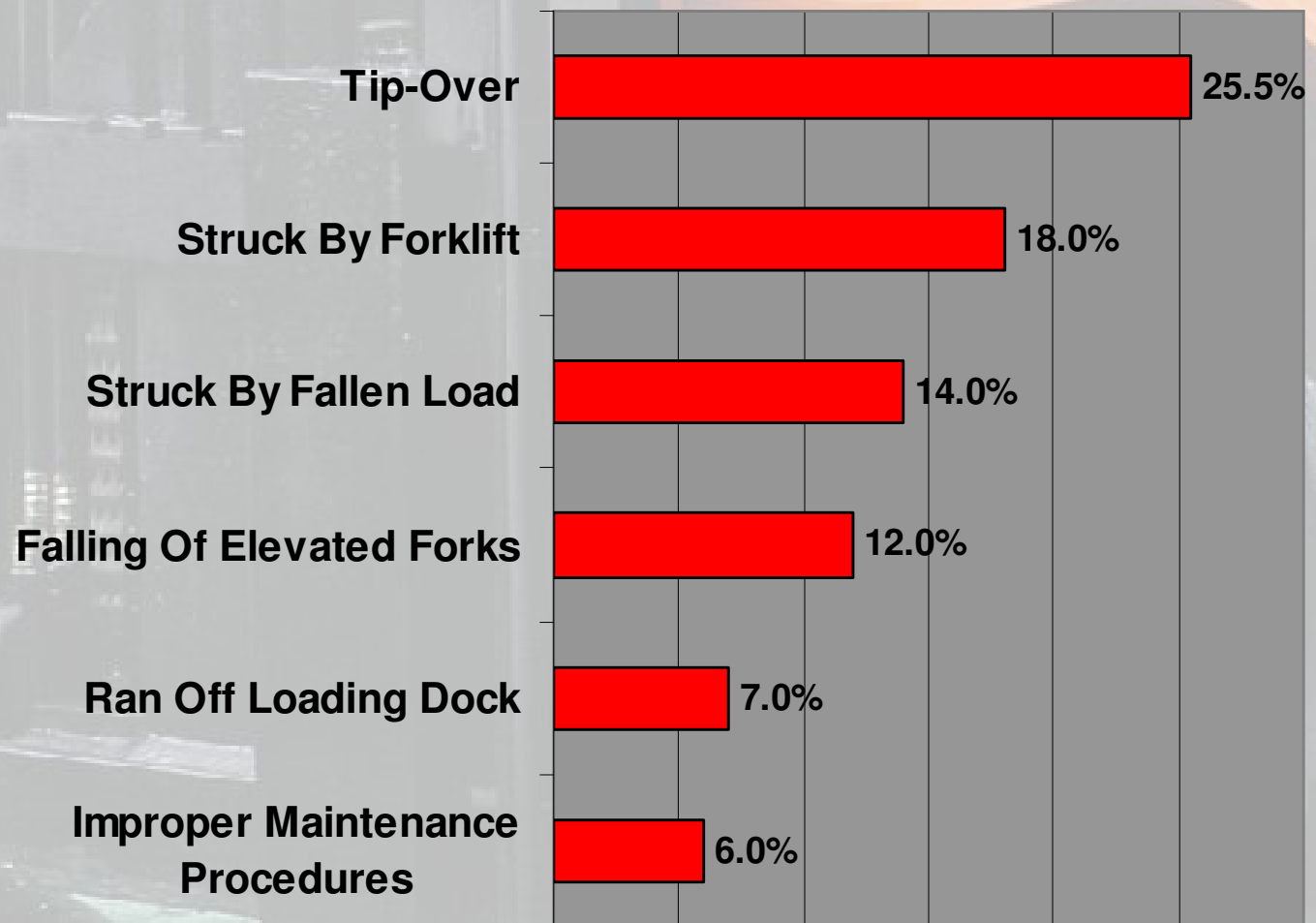
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# Introduction

- Approximately 80,000 forklift related accidents happen each year in the U.S.A.
- Out of these accidents, over 100 people will lose their life.
- Improper and/or no training was found to be the root cause of accidents.
- In an effort to reduce forklift related accidents, mandatory training laws went into effect March of 1999.

# Causes of Accidents



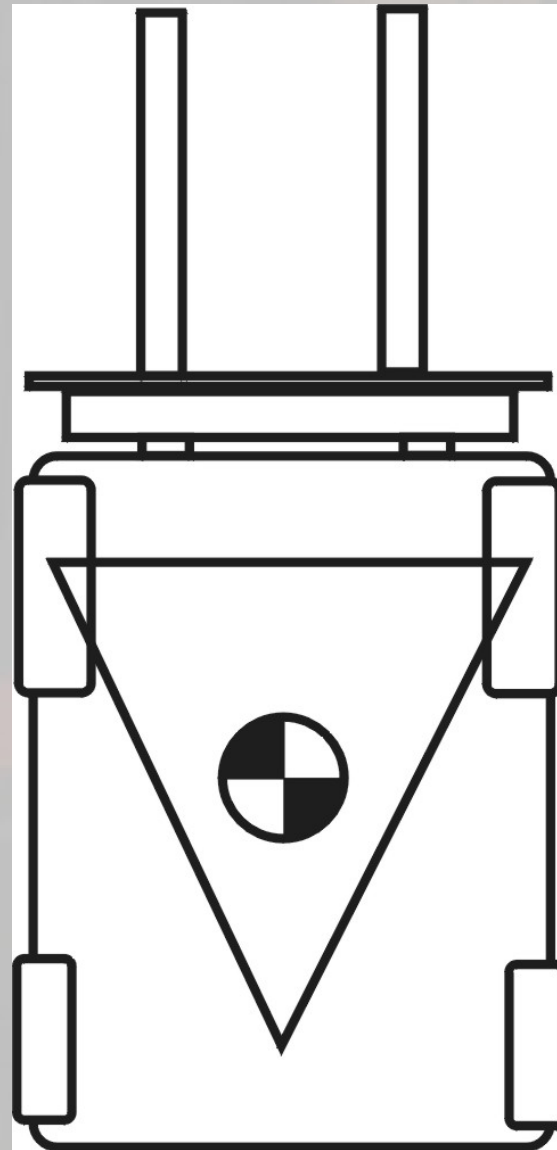
# Stability

The background of the slide features a photograph of a person operating a Toyota forklift. The operator is wearing a blue shirt and is positioned on the right side of the frame. The forklift is white with a blue and red stripe along the side, and the word "TOYOTA" is visible on the mast. The setting appears to be an industrial or warehouse environment with wooden walls and overhead lighting.

Since tip-over is the leading cause of accidents and deaths, understanding the stability principles of a lift truck is the most important part of any forklift training program.

# Center Of Gravity

- All forklifts have 3 point suspension.
- The center of gravity of an unloaded lift truck is located just below the operator compartment.
- The center of gravity will move forward if an attachment, such as a carton clamp, is installed on the lift truck.



# Mast Chains

- Environmental conditions will determine how often the chains should be lubricated.
- Environmental conditions, lack of lubrication and the constant handling of capacity loads will reduce the life of a lift chain.



# Pre-Shift Inspections

- Must be preformed at the beginning of each shift.
- Serves a two part function to the operator:
  - 1) Identifies damage
  - 2) Ensures the unit is in a safe operating condition.
- Remove any debris that is wrapped around the drive axle. (banding materials, shrink wrap, or string)

# Safety Checklist - Propane

**OPERATOR CHECKLIST – PROPANE C/B**  
 TO BE PERFORMED AT BEGINNING OF EACH SHIFT

WEEK ENDING DATE: \_\_\_\_\_ TRUCK #: \_\_\_\_\_

OPERATOR: \_\_\_\_\_

HOOR METER: START \_\_\_\_\_ END \_\_\_\_\_

SHIFT: 1<sup>ST</sup> 2<sup>ND</sup> 3<sup>RD</sup>

USE IF O.K., USE AN X IF PROBLEM EXISTS, REPORT ALL PROBLEMS

	MON	TUE	WED	THU	FRI	SAT	SUN
OVERHEAD GUARD							
HYDRAULIC CYLINDERS							
MAST ASSEMBLY							
LIFT CHAINS AND ROLLERS							
FORKS							
TIRES							
BATTERY CHECK							
HYDRAULIC FLUID							
GAUGES							
STEERING							
BRAKES							
LIGHTS							
HORN							
PROPANE TANK BRACKET							
PROPANE HOSE AND CONNECTOR							
ENGINE OIL LEVEL							
ENGINE COOLANT LEVEL							
TRANSMISSION FLUID							
SEAT BELTS							
CHECK UNDER TRUCK FOR LEAKS							

Comments: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

# Dock Safety

- The operator is responsible for ensuring the trailer is properly secured before entering with a lift truck.
- The brakes must be set and wheel chocks put in place to prevent movement of the trailer while loading or unloading.



# Propane Fuel Safety

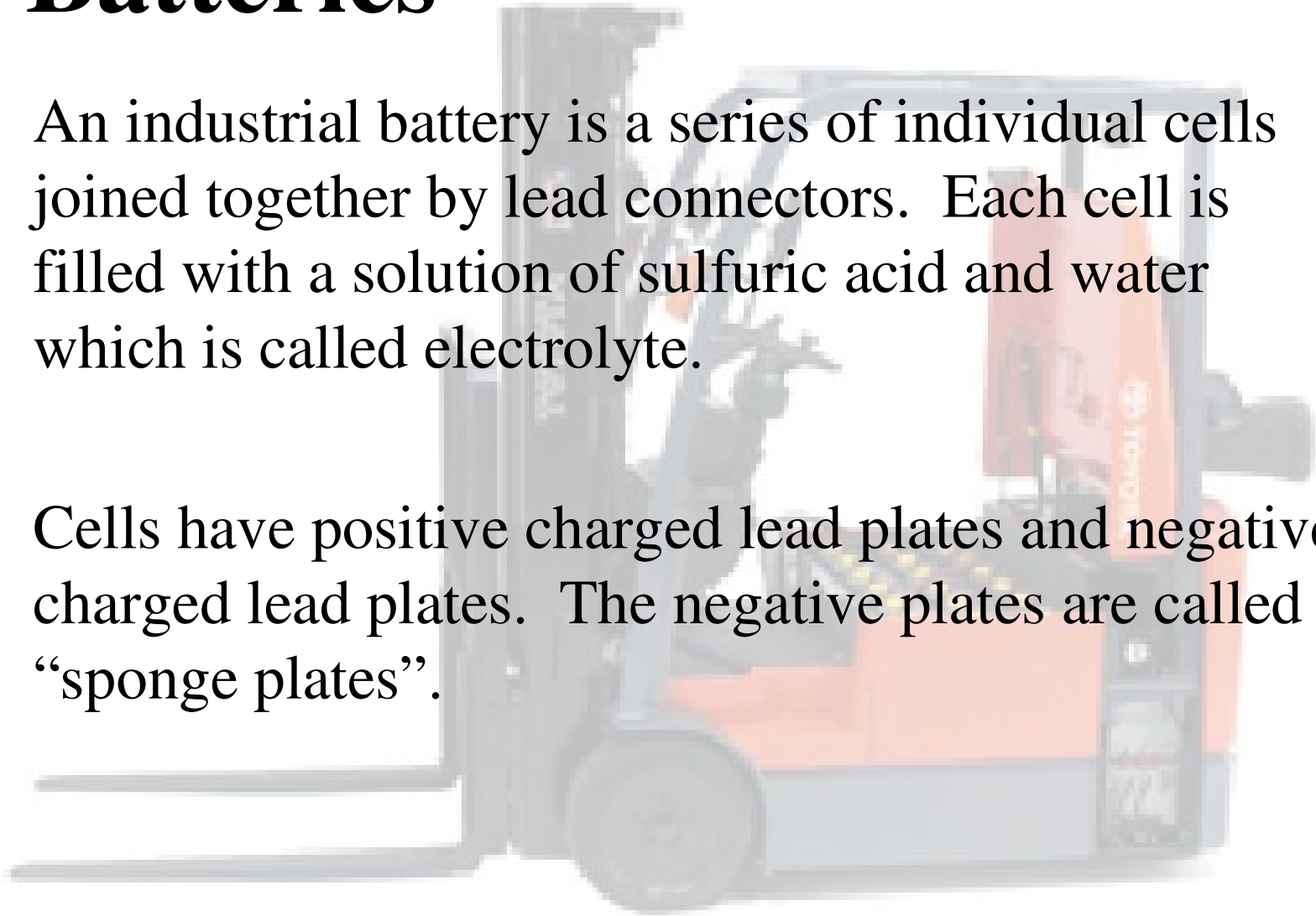


- No Smoking.
- Wear Eye Protection.
- Wear Hand Protection.
- Propane fuel boils at minus 44 degrees.
- Follow the proper procedures when changing LP tanks.

# Batteries

An industrial battery is a series of individual cells joined together by lead connectors. Each cell is filled with a solution of sulfuric acid and water which is called electrolyte.

Cells have positive charged lead plates and negative charged lead plates. The negative plates are called “sponge plates”.





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