

Case examples
of accidents
(Forklift)

어두운 장소에서 지게차 후진 중 끼임 Becoming trapped behind a backing forklift in a dark place

A worker moving on foot in a dark workplace was hit by a backing 16-ton forklift and fell, becoming trapped under the wheels.



! Causes of accident

- Risk of reckless driving by an unlicensed operator
- Unclear view caused by faulty lights and blind spots for a forklift backing at night

! Safety operating procedure

TIP

- 1 Forklifts must be operated by a licensed operator
 - Separate storage of forklift keys and operation by licensed operators
 - 2 Ensure safety measures are enforced for pedestrian passages, obstructed views, etc.
 - Secure pedestrian passages using barriers, etc. and install additional safety devices such as rear-view cameras to eliminate blind spots when backing up
- Preparation of work plans
 - Prepare work plans for hazard control to contain details on collision and risks of entrapment, operating paths, and safety operating procedures, and perform tasks according to the plans





Illustrated case examples of accidents

Becoming trapped behind a backing forklift in a dark place

지게차, 반드시 유자격자만 운전하세요!

Forklifts must be operated by licensed operators only!

Fatal accidents from forklifts occur frequently. A worker was killed in a collision with a backing forklift in the dark at night.



Boss! We need more assembly components.

Didn't the forklift operator bring them here during the day shift?



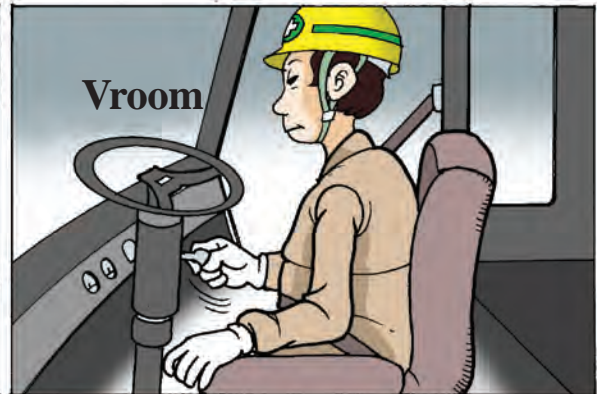
Only licensed operators are supposed to operate forklifts...

I don't have a forklift license...

Well, it's nighttime and we don't have the personnel. We have no choice...

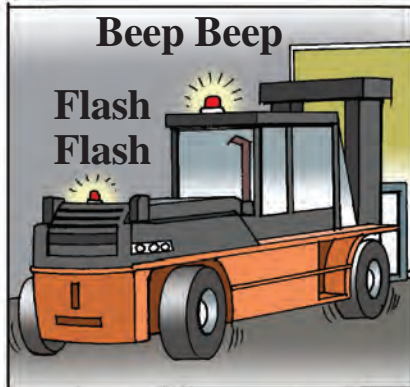


Vroom



Beep Beep

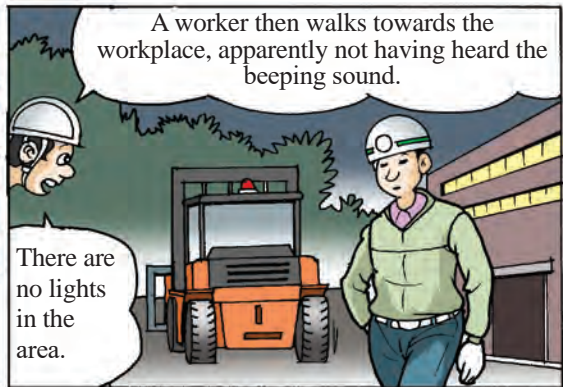
Flash Flash



It's too dark, so I can't quite see in the rear...



A worker then walks towards the workplace, apparently not having heard the beeping sound.



There are no lights in the area.

Argh! Help!



Forklifts must be operated by licensed operators under the Construction Machinery Management Act, workplaces through which workers frequently pass must be separated using barriers, etc., and an adequate level of lighting must be maintained at all times.



Reference statutes and standards

- Rules on Occupational Safety and Health Standards Article 38 (Pre-Operational Inspection and Preparation of Work Plans, etc.)
- Rules on Restricted Employment for Hazardous Jobs Article 3 (Scope of jobs requiring qualifications and licenses, etc.)



고용노동부



산업재해예방 안전보건공단

재해사례
(지게차)

어두운 장소에서 지게차 후진 중 끼임

어두운 사무동에서 작업을 위해 도보로 이동하던 작업자가 후진하는 16톤 지게차에 부딪혀 넘어지면서 바퀴에 끼임



! 재해발생 원인

- 무자격자 운전으로 인한 운전 부주의 상존
- 야간의 고장 난 조명 및 지게차 후진시 사각지대에 의한 시야 확보 불충분

+ 안전작업 방법

TIP

- 1 지게차 유자격자에 의한 운전
 - 지게차 키 별도 보관 조치 및 지게차 면허 유자격자 운전
 - 2 보행자 안전통로 및 시야확보 등의 안전조치 강화
 - 방책 등을 통한 보행자통로 확보 및 후진시 사각지대 해소를 위한 후방카메라 등 안전장치 추가 설치
- 작업계획서의 작성
 - 부딪힘, 끼임 위험, 운행경로 및 안전 작업방법을 포함한 위험예방 대책에 관한 작업계획서 작성 및 계획에 따라 작업 실시

1



2





어두운 장소에서 지게차 후진 중 끼임

지게차, 반드시 유자격자만 운전하세요!

지게차로 인한 사망재해는 자주 일어납니다. 이번 재해는 어두운 야간에 후진 중 1명이 부딪혀 사망한 재해입니다.



참고법령 및 기준

- 산업안전보건기준에 관한 규칙 제38조(사전조사 및 작업계획서 작성 등)
- 유해위험작업의 취업 제한에 관한 규칙 제3조(자격 면허등이 필요한 작업의 범위 등)