INFO LETTER HSE-Q
OPERATION OF MOBILE CONSTRUCTION MACHINERY

Operating construction machinery is a demanding and responsible task. Well-qualified construction machinery operators work prudently, efficiently and safely. They not only have a significant influence on the economic outcome of the construction site, but are also responsible for the safe and energy-efficient use of the machine.

The following hazards can arise when operating mobile construction machinery:

- Machine overturn due to
  - Machine not suitable for existing ground conditions/terrain gradient,
  - Machine not suitable for the load to be lifted, machine too small
- Hitting and running over due to visibility restrictions
- Falling loads due to
  - missing attachment points
  - unsuitable attachment points
- Unintentional loosening of attachments
- Fall of persons when lifting with machines
- Poisoning from engine exhaust fumes in fully or partially enclosed spaces or excavations

Only persons may authorised to operate or maintain machines independently if they:

1. has completed the 18th year of his/her life,
2. are physically and mentally fit,
3. been instructed in operating or maintaining the machine,
4. have demonstrated their professional suitability to do so to the company,
5. and who can be expected to reliably fulfil the tasks assigned to them,

The appointment must be in writing.

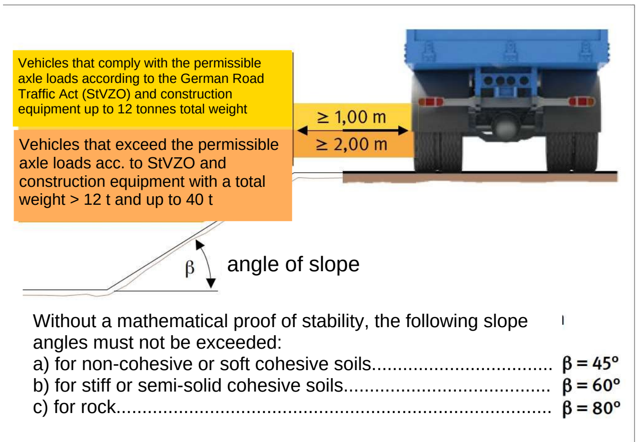
Young people under the age of 18 may operate construction machinery under supervision for training purposes, provided the following conditions are met:

- Minimum age 16 years
- Basic training on construction site operations on the construction site
- Theoretical and practical basic training on construction machinery at the training centre
- followed by practical work on construction machinery in a construction company under the supervision of an expert employee
- Constant supervision is required for cranes

Operation as intended is given if

- the manufacturer's operating instructions and
- the rules and regulations applicable to the operation are complied with.

The operating instructions for the construction machine must be available on site.



INFO LETTER HSE-Q
OPERATION OF MOBILE CONSTRUCTION MACHINERY

The **<u>stability of machinery</u>** can be impaired by unstable subsoil, excessive inclination of the terrain and insufficient safety distances from the edges of excavations, slopes or edges of falls.
Both this and operating errors, such as swivelling or driving too quickly or misjudging the risk of tipping, can cause civil engineering machines to topple over, crash or roll uncontrollably.

General information:

Always use machinery in such a way that stability is guaranteed.

Only operate the machine on stable ground, observing the operating limits, e.g. inclinations and ground pressure.

Maintain sufficient distance from the edges of break, pits, slopes and embankments as well as from the edges of falls.

When working on slopes where there is a risk of the machine toppling over or slipping, special safety measures must be taken. Safety can be improved by

- use of suitable, possibly smaller machines / (e.g. vibratory plates) in the edge area / backfilling, overprofiling / winch-guided cable securing of the machines

Stability of forklift trucks and wheel loaders:

On forklift trucks / wheel loaders, the load handling attachment is located in front of the front axle. If the load is too heavy, the forklift truck / wheel loader can tip forwards.

Therefore:

Do not lift loads that exceed the load capacity of the forklift truck / wheel loader.

<u>Do not hang any components on the fork or bucket</u>, only use existing hooks to attach them.

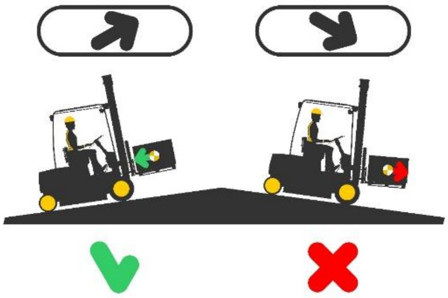
<u>Always drive curves slowly and in as wide an arc as possible</u>.

Never turn on an inclined plane - risk of tipping!

Important:

Without a load, <u>you must drive forwards both uphill and downhill</u>**.**

When loaded<u>, the load must always be transported on the uphill side to prevent it from slipping</u>**.**



Always fasten your seatbelt!

The belt is part of the standard equipment of a mobile construction machine!

Of course, the belt hinders certain work processes, e.g. frequent mounting and dismounting.

However, this does not exempt you from wearing a seatbelt!