Incidents – 3 Machinery overturning in 1 month

WARNING FLASH

FACTS

Circumstances:

HIPO*

- Overturning of an excavator while handling a strut: excavator not facing the direction of travel when travelling with a load on a slope.

- Overturning of a toucan aerial work platform while travelling across a ramp: the aerial lift gets onto the ramp with the counterweights on the low-point end of the ramp.

- Overturning of a mini-excavator while transporting soil: the operator runs one of the loaded mini-excavator's track over a pit.

IDENTIFIED CAUSES

Causes: In each case, the machinery operator did not follow the manufacturer's operating instructions for safe travel.

Why: Mistakes made by the operators are rooted in poor work habits, lack of awareness of risks involved and haste.

ALWAYS stop working if conditions are unsage and alert suprervision or management

*HIPO = which could have had severe consequences

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KEEP IN MIND

Analyse whether the machinery is designed to be used for the work area: including conditions for machinery access and movement / travel

- Adequacy between the ground bearing capacity and the machinery *(nature of the ground, distribution plates/mats, under-pinning, allowable soil bearing capacity, etc.)*
- Focus on unsafe machinery travel situations:
  - *configuration of the machinery for moving around,*
  - *centre of gravity identification,*
  - *counterweights positioning,*
  - *maximum permitted slope and direction of machinery when climbing slope,*
  - *travelling across an obstacle,*
  - *traffic along edge of slope or top of wall,*
  - *travelling across a hole, etc.*

	Unstable ground, very loose soil	Unstable ground, with little degradation	Stabilised natural ground	Stable outdoor floor	Stable indoor floor
					
Steel track 	✓	✓	✓	✗	✗
Rubber track 	✓	✓	✓	✗	✗
4x4 wheel 	✗	✓	✓	✓	✗
Solid wheel 	✗	✗	✓	✓	✓

For further information:

- Memo: Machinery & Operating authorisations
- Poster: Which CACES (Safe Driving Aptitude Certificate) for which machinery?

Thank you for this information feedback which contributes to improving our safety.

we ♥ life