**Operating cranes/excavators**

***Training/instructions***

* Instruct in special risks in rough weather
* Instruct in general crane handling
* Instruct in the nature of the duty
* Assess the crane operator's skills with respect to working conditions
* Communication between bridge and crane/excavator

 ***Accidents and injuries***

* Falling items
* Broken wires, hoses, shackles and chain strops
* Crush injury, head injury from swinging machinery or hooks
* Backlash

 ***Illness***

* Bodily injury
* Reduced hearing
* Smoke poisoning
* Eye damage from sunlight

 ***Prevention***

* Use approved, checked lifting and hoisting gear
* Install safety railings or chains to protect machinery work area
* Ensure suitable ergonomic design in operator's cabin
* Ensure suitable cabin temperature
* Shut cabin doors as much as possible to keep out noise and smoke

 ***Personal protection***

* Sunglasses

 ***Aids***

* Air-conditioning in the operator's cabin.
* Cabin sun screening

 ***More reading***