



Likely Risk Issue	Who/what may be harmed? (Specific Persons)	What Is the Rate Level? (Rate risk as Low, Medium or High)	What Risk Control Action Needs To Be Taken? (What needs to be considered so that the risks are identified and effectively controlled)	Time Frame
Rollover of machine. Falling machine during lifting of machine	Operators Spectators Staff	Severity of Risk (S)- 3 Likelihood of Risk (L)- 1 Overall Risk (S x L)= 2 LOW	Operators to be verified as competent and must assess conditions <ul style="list-style-type: none"> Reinforce ground, edges & shoulders Do not operate close to steep inclines or in sloppy material (refer to manufacturers specifications) Machine to be lifted only at designated lifting points Operator to ensure no persons are near machine during operation or lifting of machine 	Each hire / day
Fuel leaks and fire hazards	Participants Operators Spectators Staff	Severity of Risk (S)- 3 Likelihood of Risk (L)- 2 Overall Risk (S x L)= 6 MEDIUM	<ul style="list-style-type: none"> Operators to check fuel lines and fuel level daily Engine to be turned off before refueling Wear appropriate PPE Have an emergency plan. Keep fire extinguisher on machine 	Each hire / day
Noise	Operators Spectators Staff	Severity of Risk (S)- 1 Likelihood of Risk (L)- 3 Overall Risk (S x L)= 3 LOW	<ul style="list-style-type: none"> Operator checks to verify noise and wear suitable ear protection equipment Isolate machine or operate at different times 	Each hire / day
Collision and crushing	Operators Spectators Staff	Severity of Risk (S)- 3 Likelihood of Risk (L)- 1 Overall Risk (S x L)= 3 LOW	<ul style="list-style-type: none"> Operators to check rotating beacon and reversing alarm devices daily Look for bystanders before moving Operator to use an observer to warn of persons, obstacles or other hazards Only operate machine while sitting in seat with belt on Isolate job area and park on level ground Plant operators to be qualified and experienced All plant to have reversing beeper and flashing light Ground staff and operator to maintain visual contact Ground staff to stand clear and signal operator before moving close to plant 	Each hire / day



Burns	Operators Spectators Staff	Severity of Risk (S)- 3 Likelihood of Risk (L)- 2 Overall Risk (S x L)= 6 LOW	<ul style="list-style-type: none"> Operators to be vigilant and keep other persons away from hot machine Allow to cool down before doing any checks on the engine 	Each hire / day
Underground services	Operators Spectators Staff	Severity of Risk (S)- 3 Likelihood of Risk (L)- 1 Overall Risk (S x L)= 3 LOW	<ul style="list-style-type: none"> Use dial before you dig service 1100 Prove services by hand where possible Use a spotter to watch for evidence of services, tape, sand, scoria etc Do not dig within 2m of any underground asset 	Each hire / day
Overhead services	Operators Spectators Staff	Severity of Risk (S)- 3 Likelihood of Risk (L)- 1 Overall Risk (S x L)= 3 LOW	<ul style="list-style-type: none"> Spotter required for working between 3m & 6.4m of power lines on poles Spotter required for working between 8m & 10m of power lines on towers Authority approval required to work closer than above limits 	Each hire / day

Calculation of Risk Evaluation

Severity of Risk (S) is judged by evaluating the effects of the hazard if the risk occurs. This is evaluated as Minor = 1, Major = 2, Serious = 3

Risk Likelihood (L) - The likelihood of the harm occurring is evaluated on the basis of: Unlikely =1, Possible = 2, Likely = 3

Overall Risk is calculated by multiplying the figure for Severity (S) and Likelihood (L). The overall risk figure calculated is related to the Risk Level of either Low: 1 to 3; Medium: 4 to 6 or High: 7 to 9

NB This is a generic risk assessment only. It is advisable to carry out a site-specific assessment prior to using this equipment.

The instructions recommended within this document apply to normal risk conditions. If the machine is to be operated in a dangerous or hostile environment, the user/client is responsible for conducting an appropriate risk analysis and applying suitable controls to mitigate those additional risks.

GENERAL SAFETY

- This machine can only be operated if it is a safe and sound operating condition and by a competent operator and in areas that are clear of obstacles.
- Work sites on roads must be separated from normal traffic flow
- Road making and maintenance plant must remain in a barricaded area at all times unless traffic flow is stopped to allow access in or out of the work area.
- Plant must be fitted with and use an orange flashing lamp when in operation.
- Do not operate on slopes in excess of that approved by the manufacturer
- Operator to wear seat belt at all times as well as safety footwear and Hi-Vis jacket



- Machine operating and maintenance manual available at www.entatas.com

TRANSPORT OF MACHINE

1. Ensure loader or trailer has suitable ramps for safe loading
2. Minimise any slope by parking the loader or trailer facing truck downhill
3. Drive machine slowly when loading or unloading
4. Retrain machine from movement using tie down chains

OPERATING CONDITIONS

- Use ignition key to start and KNOW WHERE EMERGENCY SHUT-DOWN SWITCH IS IF FITTED
- Look in the direction you are travelling and watch out for other people and obey traffic rules and signs
- Use care when working near other machinery
- **DRIVE UP AND DOWN INCLINES AND NEVER ACROSS. NEVER TURN MACHINES ON A SLOPE**
- Exercise care when manoeuvring on sloping ground
- Be aware of wet, soft, or loose edges and don't operate close to open or uncompacted trenches or other excavations
- Look behind when reversing

PARKING

- Park where there will be no obstruction to vehicles, site personnel or access ways
- Do not impede road traffic and post reflective warning signs
- Neutralise controls and apply brake
- Allow engine to idle before switching off
- Lock ignition and move controls to release pressure
- Check and report any damage
- Remove keys

REFUELLING

- Refuelling to be carried out in a hazardous free atmosphere devoid of flammable or explosive substances
- Make sure the area is well ventilated and a safe distance from any combustible materials
- Make sure the area is free from heat sources, ignition sources, open pits and drains



INSPECTION AND MAINTENANCE

- Machine is to be inspected and maintained regular in accordance with manufacturer instructions
- Operator to carry out daily inspections of fuel, oil, lights, beacon and radiator
- Maintain a machine logbook to be kept with the machine.

The above instructions must be always followed, If any of the instructions are not possible, contact the site supervisor for an assessment of any safety requirements