



# SAFETY MANAGEMENT SYSTEM

## Plant and Equipment Risk Assessment

|                            |                                          |                   |                             |                     |                    |
|----------------------------|------------------------------------------|-------------------|-----------------------------|---------------------|--------------------|
| <b>Equipment Location:</b> | <b>Hired From All Master Hire Stores</b> | <b>Equipment:</b> | <b>Chainsaw - Petrol</b>    | <b>Approved By:</b> | <b>Steven Jose</b> |
|                            |                                          |                   |                             |                     | <b>Signature:</b>  |
|                            |                                          |                   | <b>Manufacturer Details</b> | <b>Various</b>      |                    |

| Hazard                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Action Required Yes/No                                                 | Risk Level (Refer to risk matrix) | Hierarchy of Control                                                                                                                                                                                                                                                    | Hazard and Risk Treatment (Complete Hazard Report Form)                                                                                                                                                                       | Risk Level after Risk Treatment (Refer to risk matrix) |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------|-----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|
| <b>Entanglement</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                        |                                   |                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                               |                                                        |
| Can anyone's hair, clothing, gloves, necktie, jewellery, cleaning brushes, rags or other materials become entangled with moving parts of the plant, or materials in motion?                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <input checked="" type="checkbox"/> Yes<br><input type="checkbox"/> No | MEDIUM                            | <input checked="" type="checkbox"/> Elimination<br><input type="checkbox"/> Substitution<br><input type="checkbox"/> Isolation<br><input type="checkbox"/> Engineering<br><input checked="" type="checkbox"/> Administration<br><input type="checkbox"/> PPE            | <i>Follow manufacturers' instructions</i><br><i>Obey all warning decals</i><br><i>Do not lean or reach into chain or sprocket area with motor running</i><br><i>Do not do any servicing or maintenance with motor running</i> | LOW                                                    |
| <b>Crushing</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                        |                                   |                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                               |                                                        |
| Can anyone be crushed due to: <ul style="list-style-type: none"> <li>▪ Material falling off the plant?</li> <li>▪ Uncontrolled or unexpected movement of the plant or its load?</li> <li>▪ Lack of capacity for the plant to be slowed, stopped or immobilized?</li> <li>▪ The plant tipping or rolling over?</li> <li>▪ Parts of the plant collapsing?</li> <li>▪ Coming in contact with moving parts of the plant during testing, inspection, use, maintenance, cleaning or repair?</li> <li>▪ Being thrown off or under the plant?</li> <li>▪ Being trapped between the plant and materials or fixed structures?</li> <li>• Other factors?</li> </ul> | <input type="checkbox"/> Yes<br><input checked="" type="checkbox"/> No |                                   | <input type="checkbox"/> Elimination<br><input type="checkbox"/> Substitution<br><input type="checkbox"/> Isolation<br><input type="checkbox"/> Engineering<br><input type="checkbox"/> Administration<br><input type="checkbox"/> PPE                                  | <i>Follow manufacturers' instructions</i><br><i>Obey all warning decals</i><br><i>Use spotter in restricted areas</i>                                                                                                         |                                                        |
| <b>Cutting, Stabbing and Puncturing</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                        |                                   |                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                               |                                                        |
| Can anyone be cut, stabbed or punctured due to? <ul style="list-style-type: none"> <li>▪ Coming in contact with sharp or flying objects?</li> <li>▪ Coming in contact with moving parts of the plant during testing, inspection, operation, maintenance, cleaning or repair of the plant?</li> </ul>                                                                                                                                                                                                                                                                                                                                                     | <input checked="" type="checkbox"/> Yes<br><input type="checkbox"/> No | ACUTE                             | <input type="checkbox"/> Elimination<br><input type="checkbox"/> Substitution<br><input checked="" type="checkbox"/> Isolation<br><input type="checkbox"/> Engineering<br><input checked="" type="checkbox"/> Administration<br><input checked="" type="checkbox"/> PPE | <i>Follow manufacturers' instructions</i><br><i>Obey all warning decals</i><br><i>Do not do any servicing or maintenance with motor and chain running</i>                                                                     | HIGH                                                   |

## Plant and Equipment Risk Assessment

|                                                                                                                                                                                                                                                                                                                                                                    |                                                                        |               |                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |               |
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| <ul style="list-style-type: none"> <li>▪ Plant, parts of the plant or work pieces disintegrating?</li> <li>▪ Work pieces being ejected?</li> <li>▪ The mobility of the plant?</li> <li>▪ Uncontrolled or unexpected movement of the plant?</li> <li>▪ Other factors?</li> </ul>                                                                                    |                                                                        |               |                                                                                                                                                                                                                                                                                    | <p><i>Ensure all guards and fixtures are in place and operate correctly</i></p> <p><i>Ensure machine is switched off before making any adjustments</i></p> <p><i>Ensure appropriate PPE is used (e.g. protection for eyes, hearing and footwear)</i></p> <p><i>Always engage chain brake when carrying with motor running</i></p> <p><i>Keep body clear of chain when cutting and ensure two hands are used</i></p> <p><i>Cover the chain with chain guard when not in use</i></p> |               |
| <b>Shearing</b>                                                                                                                                                                                                                                                                                                                                                    |                                                                        |               |                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |               |
| <p>Can anyone's body parts be:</p> <ul style="list-style-type: none"> <li>▪ Sheared between two or more parts of the plant, or between a part of the plant and a work piece or structure?</li> </ul>                                                                                                                                                               | <input checked="" type="checkbox"/> Yes<br><input type="checkbox"/> No | <b>HIGH</b>   | <input type="checkbox"/> Elimination<br><input type="checkbox"/> Substitution<br><input checked="" type="checkbox"/> Isolation<br><input type="checkbox"/> Engineering<br><input checked="" type="checkbox"/> Administration<br><input checked="" type="checkbox"/> PPE            | <p><i>Follow manufacturers' instructions</i></p> <p><i>Obey all warning decals</i></p> <p><i>Do not do any servicing or maintenance with motor running</i></p>                                                                                                                                                                                                                                                                                                                     | <b>MEDIUM</b> |
| <b>Friction</b>                                                                                                                                                                                                                                                                                                                                                    |                                                                        |               |                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |               |
| <p>Can anyone be burnt, gain abrasions etc. due to:</p> <ul style="list-style-type: none"> <li>▪ Contact with moving parts or surfaces of the plant, or material handled by the plant?</li> </ul>                                                                                                                                                                  | <input checked="" type="checkbox"/> Yes<br><input type="checkbox"/> No | <b>MEDIUM</b> | <input type="checkbox"/> Elimination<br><input type="checkbox"/> Substitution<br><input checked="" type="checkbox"/> Isolation<br><input type="checkbox"/> Engineering<br><input checked="" type="checkbox"/> Administration<br><input checked="" type="checkbox"/> PPE            | <p><i>Follow manufacturers' instructions</i></p> <p><i>Obey all warning decals</i></p> <p><i>Do not do any servicing or maintenance with motor running</i></p> <p><i>Allow motor and other components to cool before servicing</i></p> <p><i>Hot parts that require access should be guarded and/or wear appropriate PPE</i></p>                                                                                                                                                   | <b>LOW</b>    |
| <b>Striking</b>                                                                                                                                                                                                                                                                                                                                                    |                                                                        |               |                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |               |
| <p>Can anyone be struck by moving objects due to:</p> <ul style="list-style-type: none"> <li>▪ Uncontrolled or unexpected movement of the plant or material handled by the plant?</li> <li>▪ Plant, parts of the plant or work pieces disintegrating?</li> <li>▪ Work pieces being ejected?</li> <li>▪ Mobility of the plant?</li> <li>▪ Other factors?</li> </ul> | <input checked="" type="checkbox"/> Yes<br><input type="checkbox"/> No | <b>HGH</b>    | <input type="checkbox"/> Elimination<br><input type="checkbox"/> Substitution<br><input checked="" type="checkbox"/> Isolation<br><input checked="" type="checkbox"/> Engineering<br><input checked="" type="checkbox"/> Administration<br><input checked="" type="checkbox"/> PPE | <p><i>Follow manufacturers' instructions</i></p> <p><i>Obey all warning decals</i></p> <p><i>Ensure exclusion zone in and around plant when in use</i></p> <p><i>Wear appropriate PPE</i></p> <p><i>Ensure spotter is positioned out of the line of flying debris</i></p> <p><i>Ensure exclusion zone is free of spectators</i></p> <p><i>Never operate machine above shoulder</i></p>                                                                                             | <b>MEDIUM</b> |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                        |               |                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                              |               |
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|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                        |               |                                                                                                                                                                                                                                                                         | <i>height</i>                                                                                                                                                                                                                                                                                                                                                                                                                                |               |
| <b>High Pressure Fluid</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                        |               |                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                              |               |
| Can anyone come into contact with? <ul style="list-style-type: none"> <li>▪ Fluids under high pressure in normal use, in the instance of plant failure?</li> </ul>                                                                                                                                                                                                                                                                                                                              | <input type="checkbox"/> Yes<br><input checked="" type="checkbox"/> No |               | <input type="checkbox"/> Elimination<br><input type="checkbox"/> Substitution<br><input type="checkbox"/> Isolation<br><input type="checkbox"/> Engineering<br><input type="checkbox"/> Administration<br><input type="checkbox"/> PPE                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                              |               |
| <b>Electrical</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                        |               |                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                              |               |
| Can anyone be injured by electrical shock or burnt due to: <ul style="list-style-type: none"> <li>▪ The plant contacting live electrical conductors?</li> <li>▪ Plant working close to electrical conductors?</li> <li>▪ Overload of electrical circuits?</li> <li>▪ Damaged or poorly maintenance electrical leads or cables?</li> <li>▪ Damaged electrical switches?</li> <li>▪ Water near electrical equipment?</li> <li>▪ Lack of isolation procedures?</li> <li>▪ Other factors</li> </ul> | <input checked="" type="checkbox"/> Yes<br><input type="checkbox"/> No | <b>MEDIUM</b> | <input checked="" type="checkbox"/> Elimination<br><input type="checkbox"/> Substitution<br><input checked="" type="checkbox"/> Isolation<br><input type="checkbox"/> Engineering<br><input checked="" type="checkbox"/> Administration<br><input type="checkbox"/> PPE | <i>Follow manufacturers' instructions</i><br><i>Obey all warning decals</i><br><i>Ensure all overhead/underground wiring or other obstructions have been located prior to commencing work</i>                                                                                                                                                                                                                                                | <b>LOW</b>    |
| <b>Explosion</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                        |               |                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                              |               |
| Can anyone be injured by fuels such as gases, vapors, liquids, dusts or other substances being ignited triggered by the operation of the plant or by materials handled by the plant?                                                                                                                                                                                                                                                                                                            | <input checked="" type="checkbox"/> Yes<br><input type="checkbox"/> No | <b>MEDIUM</b> | <input type="checkbox"/> Elimination<br><input type="checkbox"/> Substitution<br><input checked="" type="checkbox"/> Isolation<br><input type="checkbox"/> Engineering<br><input checked="" type="checkbox"/> Administration<br><input checked="" type="checkbox"/> PPE | <i>Follow manufacturers' instructions</i><br><i>Obey all warning decals</i><br><i>Fueling must be carried out in well ventilated space, away from ignition source/s</i><br><i>Engine must be switched off and cooled before refueling</i><br><i>Avoid contact with hot surfaces such as exhaust system</i><br><i>Open fuel cap slowly to allow any back pressure to escape</i><br><i>Start chainsaw at least 3m away from refueling site</i> | <b>LOW</b>    |
| <b>Slipping, tripping and Falling</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                        |               |                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                              |               |
| Can anyone using the plant, or in the vicinity of the plant, slip, trip or fall due to: <ul style="list-style-type: none"> <li>▪ Uneven or slippery work surfaces?</li> <li>▪ Poor housekeeping, such as shavings in the vicinity of the plant, spillage not cleaned up?</li> </ul>                                                                                                                                                                                                             | <input checked="" type="checkbox"/> Yes<br><input type="checkbox"/> No | <b>HIGH</b>   | <input type="checkbox"/> Elimination<br><input type="checkbox"/> Substitution<br><input type="checkbox"/> Isolation<br><input checked="" type="checkbox"/> Engineering<br><input checked="" type="checkbox"/> Administration<br><input checked="" type="checkbox"/> PPE | <i>Follow manufacturers' instructions</i><br><i>Obey all warning decals</i><br><i>Wear appropriate footwear</i><br><i>Maintain cleanliness of plant/vehicle (inside and out)</i>                                                                                                                                                                                                                                                             | <b>MEDIUM</b> |

|                                                                                                                                    |  |  |  |                                                                                                                                                                                    |
|------------------------------------------------------------------------------------------------------------------------------------|--|--|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>▪ Obstacles being placed in the vicinity of the plant?</li> <li>▪ Other factors?</li> </ul> |  |  |  | <p><i>Ensure ground is free from obstacles and stable before commencing cutting</i></p> <p><i>Ensure chain brake is engaged and chain is covered when moving between sites</i></p> |
|------------------------------------------------------------------------------------------------------------------------------------|--|--|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|                                                                                                                                                                                                         |                                                                        |               |                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                   |            |
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| <b>High Temperature</b>                                                                                                                                                                                 |                                                                        |               |                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                   |            |
| <p>Can anyone:</p> <ul style="list-style-type: none"> <li>▪ Come into contact with objects at high temperature?</li> <li>▪ Come into contact with hot fluids?</li> <li>▪ Be injured by fire?</li> </ul> | <input checked="" type="checkbox"/> Yes<br><input type="checkbox"/> No | <b>MEDIUM</b> | <input checked="" type="checkbox"/> Elimination<br><input type="checkbox"/> Substitution<br><input checked="" type="checkbox"/> Isolation<br><input type="checkbox"/> Engineering<br><input checked="" type="checkbox"/> Administration<br><input checked="" type="checkbox"/> PPE | <p><i>Follow manufacturers' instructions</i></p> <p><i>Obey all warning decals</i></p> <p><i>Do not do any servicing or maintenance with motor running</i></p> <p><i>Allow motor and other components to cool before servicing</i></p> <p><i>Wear appropriate PPE</i></p> <p><i>Open fuel cap slowly to allow any back pressure to escape</i></p> | <b>LOW</b> |

|                                                                                                                                                                                         |                                                                        |               |                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                           |            |
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| <b>Temperature and Thermal Comfort</b>                                                                                                                                                  |                                                                        |               |                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                           |            |
| <p>Can anyone suffer ill-health due to:</p> <ul style="list-style-type: none"> <li>▪ Exposure to high or low temperatures?</li> <li>▪ Failure of air conditioning equipment?</li> </ul> | <input checked="" type="checkbox"/> Yes<br><input type="checkbox"/> No | <b>MEDIUM</b> | <input checked="" type="checkbox"/> Elimination<br><input type="checkbox"/> Substitution<br><input type="checkbox"/> Isolation<br><input type="checkbox"/> Engineering<br><input checked="" type="checkbox"/> Administration<br><input checked="" type="checkbox"/> PPE | <p><i>Follow manufacturers' instructions</i></p> <p><i>Obey all warning decals</i></p> <p><i>Be aware of body responses to adverse/ extreme weather conditions (hot/cold)</i></p> <p><i>Wear appropriate clothing (sunsmart/cold weather) and PPE</i></p> | <b>LOW</b> |

|                                                                                                                                           |                                                                        |               |                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                            |            |
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| <b>Suffocation</b>                                                                                                                        |                                                                        |               |                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                            |            |
| <p>Can anyone be suffocated due to:</p> <ul style="list-style-type: none"> <li>▪ Lack of oxygen, or atmospheric contamination?</li> </ul> | <input checked="" type="checkbox"/> Yes<br><input type="checkbox"/> No | <b>MEDIUM</b> | <input type="checkbox"/> Elimination<br><input type="checkbox"/> Substitution<br><input type="checkbox"/> Isolation<br><input type="checkbox"/> Engineering<br><input checked="" type="checkbox"/> Administration<br><input checked="" type="checkbox"/> PPE | <p><i>Follow manufacturers' instructions</i></p> <p><i>Obey all warning decals</i></p> <p><i>Position and operate in well-ventilated area to prevent inhaling vapours or fumes</i></p> <p><i>Wear appropriate PPE (e.g. Dust mask)</i></p> | <b>LOW</b> |

## Plant and Equipment Risk Assessment

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                        |        |                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |
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| <b>Ergonomics</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                        |        |                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |
| Can anyone be injured due to: <ul style="list-style-type: none"> <li>▪ Poorly designed seating?</li> <li>▪ Repetitive body movements?</li> <li>▪ Constrained body posture or the need for excessive effort?</li> <li>▪ Design deficiency causing physical or personal stress?</li> <li>▪ Inadequate or poorly placed lighting?</li> <li>▪ Lack of consideration given to human error or human behavior?</li> <li>▪ Mismatch of the plant with human traits and natural limitations?</li> <li>▪ Other factors?</li> </ul> | <input checked="" type="checkbox"/> Yes<br><input type="checkbox"/> No | MEDIUM | <input checked="" type="checkbox"/> Elimination<br><input type="checkbox"/> Substitution<br><input type="checkbox"/> Isolation<br><input checked="" type="checkbox"/> Engineering<br><input checked="" type="checkbox"/> Administration<br><input type="checkbox"/> PPE            | <i>Follow manufacturers' instructions</i><br><i>Obey all warning decals</i><br><i>Take regular breaks/rests</i><br><i>Exercise/stretch regularly</i><br><i>Do not operate beyond operators personal capabilities</i><br><i>Observe and use proper manual handling techniques</i>                                                                                                                                                                                                     | LOW  |
| <b>Transportation</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                        |        |                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |
| Can anyone be injured by this equipment falling or driven off vehicle or trailer while loading, unloading or transportation?                                                                                                                                                                                                                                                                                                                                                                                             | <input type="checkbox"/> Yes<br><input checked="" type="checkbox"/> No |        | <input type="checkbox"/> Elimination<br><input type="checkbox"/> Substitution<br><input type="checkbox"/> Isolation<br><input type="checkbox"/> Engineering<br><input type="checkbox"/> Administration<br><input type="checkbox"/> PPE                                             | <i>Follow manufacturers' instructions</i><br><i>Obey all warning decals</i><br><i>Ensure engine and fuel is switched off</i><br><i>Ensure equipment, attachments and sundry items are securely tied down</i><br><i>Ensure liquids are prevented from spillage</i><br><i>Maintain equipment in good working order - report any malfunction or damage to Master Hire immediately and stop using plant where it is reasonable to foresee further risk to persons or damage to plant</i> |      |
| <b>Operational</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                        |        |                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |
| Can anyone be injured by this equipment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <input checked="" type="checkbox"/> Yes<br><input type="checkbox"/> No | ACUTE  | <input type="checkbox"/> Elimination<br><input type="checkbox"/> Substitution<br><input checked="" type="checkbox"/> Isolation<br><input checked="" type="checkbox"/> Engineering<br><input checked="" type="checkbox"/> Administration<br><input checked="" type="checkbox"/> PPE | <i>Follow manufacturers' instructions</i><br><i>Obey all warning decals</i><br><i>Ensure plant/equipment is on stable ground and clear of obstructions</i><br><i>Ensure adequate ventilation</i><br><i>Ensure gears, levers, switches etc. are engaged/disengaged appropriately before starting/operating</i><br><i>Ensure all guards and fixtures are in place</i>                                                                                                                  | HIGH |

## Plant and Equipment Risk Assessment

|                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                            |             |                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |               |
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|                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                            |             |                                                                                                                                                                                                                                                                                    | <p><i>Ensure appropriate PPEs are used (e.g. protection for eyes, hearing and footwear)</i></p> <p><i>Ensure plant is switched off before making any adjusts</i></p> <p><i>Do not operate on steep slope</i></p> <p><i>Ensure handles and other adjustable parts are set right for the operator</i></p> <p><i>Ensure guards cover the entire width of the rotating parts</i></p> <p><i>Ensure exclusion zone is free of spectators</i></p>                                                                                                                                                                                  |               |
| <b>Other Hazards</b>                                                                                                                                                                                                                                                                            |                                                                                                                                                                            |             |                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |               |
| <p>Can anyone be injured or suffer ill-health from exposure to:</p> <ul style="list-style-type: none"> <li>• Chemicals?</li> <li>• Toxic gases or vapors?</li> <li>• Fumes?</li> <li>• Dust?</li> <li>• Noise?</li> <li>• Vibration?</li> <li>• Radiation?</li> <li>• Other Factors?</li> </ul> | <input checked="" type="checkbox"/> Yes<br><input type="checkbox"/> No                                                                                                     | <b>HIGH</b> | <input checked="" type="checkbox"/> Elimination<br><input type="checkbox"/> Substitution<br><input type="checkbox"/> Isolation<br><input checked="" type="checkbox"/> Engineering<br><input checked="" type="checkbox"/> Administration<br><input checked="" type="checkbox"/> PPE | <p><i>Follow manufacturers' instructions</i></p> <p><i>Obey all warning decals</i></p> <p><i>Position and operate in well-ventilated area to prevent inhaling vapours or fumes</i></p> <p><i>Check for overhead/underground utilities (gas, water, electrical) before operation</i></p> <p><i>Ensure equipment is appropriately labeled and meet the relevant State Legislative requirements</i></p> <p><i>Maintain plant in good working order - report any malfunction or damage to Master Hire immediately and stop using plant where it is reasonable to foresee further risk to persons or damage to equipment</i></p> | <b>MEDIUM</b> |
| <b>Further Comments:</b>                                                                                                                                                                                                                                                                        | <b>A Specific Risk Assessment on site must be undertaken prior to plant operation.</b>                                                                                     |             |                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |               |
|                                                                                                                                                                                                                                                                                                 | <b>This equipment must only be driven/operated by competent persons and holders of the appropriate license</b>                                                             |             |                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |               |
|                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                            |             |                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |               |
|                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                            |             |                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |               |
| <b>Checklist:</b>                                                                                                                                                                                                                                                                               | <input checked="" type="checkbox"/> <i>Manufacturers' manuals referenced</i><br><input checked="" type="checkbox"/> <i>Copy kept in Master Hires' Risk Management File</i> |             |                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |               |

### Hazard / Risk Matrix

Reference: Workplace Health and Safety Queensland - Risk Assessment - Supplement 2  
Risk Management Code of Practice 2007

**Step 1 Determine Likelihood – What is the possibility of the event happening?**

|                       | Criteria                                    | Description                                                                  |
|-----------------------|---------------------------------------------|------------------------------------------------------------------------------|
| <b>Almost certain</b> | Expected in most circumstances.             | Event is a common problem                                                    |
| <b>Likely</b>         | Will probably occur in most circumstances.  | Event is known to have occurred at this site or it has happened              |
| <b>Possible</b>       | Might occur at some time                    | Event could occur at the site or I've heard of it happening                  |
| <b>Unlikely</b>       | Could occur at some time                    | Event is not likely to occur at the site or I have not heard of it happening |
| <b>Rare</b>           | May occur only in exceptional circumstances | Event is practically impossible.                                             |

**Step 2 Determine Consequence - What will be the result if it happens?**

| Classification       | Example detail description                                   |
|----------------------|--------------------------------------------------------------|
| <b>Insignificant</b> | No injuries                                                  |
| <b>Minor</b>         | First aid treatment only; spillage contained at site.        |
| <b>Moderate</b>      | Medical treatment; spillage contained but with outside help. |
| <b>Major</b>         | Extensive injuries; loss of production                       |
| <b>Catastrophic</b>  | Death; toxic release of chemicals                            |

**Step 3 Determine the risk score**

| LIKELIHOOD            | CONSEQUENCE     |                 |                 |                |                |
|-----------------------|-----------------|-----------------|-----------------|----------------|----------------|
|                       | Insignificant   | Minor           | Moderate        | Major          | Catastrophic   |
| <b>Almost certain</b> | <b>3 High</b>   | <b>3 High</b>   | <b>4 Acute</b>  | <b>4 Acute</b> | <b>4 Acute</b> |
| <b>Likely</b>         | <b>2 Medium</b> | <b>3 High</b>   | <b>3 High</b>   | <b>4 Acute</b> | <b>4 Acute</b> |
| <b>Possible</b>       | <b>1 Low</b>    | <b>2 Medium</b> | <b>3 High</b>   | <b>4 Acute</b> | <b>4 Acute</b> |
| <b>Unlikely</b>       | <b>1 Low</b>    | <b>1 Low</b>    | <b>2 Medium</b> | <b>3 High</b>  | <b>4 Acute</b> |
| <b>Rare</b>           | <b>1 Low</b>    | <b>1 Low</b>    | <b>2 Medium</b> | <b>3 High</b>  | <b>3 High</b>  |

**Step 4 Record risk score against the job sequence steps**

(Note – Risk scores have no absolute value and should only be used for comparison and to engender discussion.)

| Score                  | Action                                                                                                         |
|------------------------|----------------------------------------------------------------------------------------------------------------|
| <b>4<br/>A: Acute</b>  | <b>ACT NOW – Urgent – do something about the risks immediately. Requires immediate attention.</b>              |
| <b>3<br/>H: High</b>   | <b>Highest management decision is required urgently.</b>                                                       |
| <b>2<br/>M: Medium</b> | <b>Follow management instructions.</b>                                                                         |
| <b>1<br/>L: Low</b>    | <b>OK for now. Record and review if any equipment/ people/ materials/ work processes or procedures change.</b> |