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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | **Hand Power/Battery Tools Risk Assessment** | | | | | | | | | | |  | | |
|  | |  | | |  | | | | | |  | |  | | |
| **Suppliers Company Name: Makita NZ Ltd** | | | | **Date: 21/05/24** | | | | | | | **Plant Description:** BAC01 | | | | |
|  | |  | | |  | | | | | |  | |  | | |
| **MANDATORY PERSONAL PROTECTIVE EQUIPMENT** | | | | | | | | | | | | | | | |
|  | |  | | |  | | | | | |  | |  | | |
|  | Hearing Protection |  | Head Protection | |  | Shock Protection |  | Toxic Material | | | | | |  | Face Shield |
|  | Hand Protection |  | Protective Clothing | |  | Ventilation |  | Safety Harness | | | | | |  | Visual |
|  | Eye Protection |  | Foot Protection | |  | Dust Mask |  | Safety Chaps | | | | | |  | Breathing Filter |
|  | |  | | |  | | | | | |  | |  | | |
| **Example: Questions** | | | | | | | | | **Yes** | **No** | | **N/A** | **Example: Comments** | | |
| Can anyone be injured due to repetitive body movement? | | | | | | | | |  |  | |  | Do not operate for prolonged periods | | |
|  | | | | | | | | |  |  | |  |  | | |
| **Entanglement** | | | | | | | | | **Yes** | **No** | | **N/A** | **Comments** | | |
| Can anyone’s hair, clothing, gloves, necktie, jewellery, cleaning brushes, rags or other materials become entangles with moving parts of the plant, or materials in motion? | | | | | | | | |  |  | |  |  | | |
| **Crushing** | | | | | | | | | **Yes** | **No** | | **N/A** | **Comments** | | |
| Can anyone be crushed due to coming in contact with moving parts of the plant during testing, inspection, operation, maintenance, cleaning etc | | | | | | | | |  |  | |  |  | | |
| **Cutting, Stabbing and Puncturing** | | | | | | | | | **Yes** | **No** | | **N/A** | **Comments** | | |
| Can anyone be cut, stabbed or punctured due to coming in contact with sharp or flying objects? | | | | | | | | |  |  | |  |  | | |
| Can anyone be cut, stabbed or punctured due to coming in contact with moving parts of the plant during testing, inspection, operation, maintenance, cleaning or repair of the plant? | | | | | | | | |  |  | |  |  | | |
| Can anyone be cut, stabbed or punctured due to the plant, pars of the plant or work pieces disintegration? | | | | | | | | |  |  | |  |  | | |
| Can anyone be cut, stabbed or punctured due to work pieces being ejected? | | | | | | | | |  |  | |  |  | | |
| Can anyone be cut, stabbed or punctured due to uncontrolled or unexpected movement of the plant? | | | | | | | | |  |  | |  |  | | |
| **Shearing** | | | | | | | | | **Yes** | **No** | | **N/A** | **Comments** | | |
| Can anyone’s body parts be sheared between two parts of the plant, or between a part of the plant and a work piece of structure? | | | | | | | | |  |  | |  |  | | |
| **Friction** | | | | | | | | | **Yes** | **No** | | **N/A** | **Comments** | | |
| Can anyone be burnt due to contact with moving parts or surfaces of the plant, or material handled by the plant? | | | | | | | | |  |  | |  |  | | |
| **Striking** | | | | | | | | | **Yes** | **No** | | **N/A** | **Comments** | | |
| Can anyone be struck by moving objects due to uncontrolled or unexpected movement of plant or material handled by the plant? | | | | | | | | |  |  | |  |  | | |
| Can anyone be struck by moving objects due to the plant, parts of the plant or work piece disintegrating? | | | | | | | | |  |  | |  |  | | |
| Can anyone be struck by moving objects due to work pieces be ejected? | | | | | | | | |  |  | |  |  | | |
| Can anyone be struck by moving objects due to other factors not mentioned? | | | | | | | | |  |  | |  |  | | |
| **Electrical** | | | | | | | | | **Yes** | **No** | | **N/A** | **Comments** | | |
| Can anyone be injured by electrical shock or burnt due to the plant contacting live electrical conductors? | | | | | | | | |  |  | |  | Power converters pose the risk of electric shock to maintenance workers from exposure to the high-voltage components of a damaged lithium-ion battery. | | |
| Can anyone be injured by electrical shock or burnt due to the plant working in close proximity to electrical conductors? | | | | | | | | |  |  | |  | Power converters pose the risk of electric shock to maintenance workers from exposure to the high-voltage components of a damaged lithium-ion battery. | | |
| **Explosion** | | | | | | | | | **Yes** | **No** | | **N/A** | **Comments** | | |
| Can anyone be injured by explosion of gases, vapours, liquids, dusts, batteries or other substances, triggered by the operation of the plant or by material handled by the plant? | | | | | | | | |  |  | |  | Do not operate the power converter in explosive atmospheres, such as in the presence of  flammable liquids, gases or dust. A small static  charge or spark may ignite the dusts or fumes,  creating a fire or explosion | | |
| **Slipping, Tripping and Falling** | | | | | | | | | **Yes** | **No** | | **N/A** | **Comments** | | |
| Can anyone using the plant, or in the vicinity of the plant, slip, trip or fall due to uneven or slippery work services? | | | | | | | | |  |  | |  |  | | |
| Can anyone using the plant, or in the vicinity of the plant, slip, trip or fall due to poor housekeeping, e.g. swarf in the vicinity of the plant, spillage not cleaned up? | | | | | | | | |  |  | |  |  | | |
| Can anyone using the plant, or in the vicinity of the plant, slip, trip or fall due to obstacles being placed in the vicinity of the plant? | | | | | | | | |  |  | |  |  | | |
| Can anyone fall from a height due to lack of proper work platform? | | | | | | | | |  |  | |  |  | | |
| Can anyone fall from a height due to lack of proper stairs or ladders? | | | | | | | | |  |  | |  |  | | |
| Can anyone fall from a height due to steep walking surfaces? | | | | | | | | |  |  | |  |  | | |
| Can anyone fall from a height due to collapse of the supporting structure? | | | | | | | | |  |  | |  |  | | |
| **Ergonomic** | | | | | | | | | **Yes** | **No** | | **N/A** | **Comments** | | |
| Can anyone be injured due to repetitive body movement? | | | | | | | | |  |  | |  |  | | |
| Can anyone be injured due to lack of consideration given to human error or human behaviour? | | | | | | | | |  |  | |  | Lack of awareness for surroundings on site i.e water, flammable gases | | |
| Can anyone be injured due to mismatch of the plant with human traits and natural limitations? | | | | | | | | |  |  | |  |  | | |
| Can anyone be injured due to other factors not mentioned? | | | | | | | | |  |  | |  |  | | |
| **Suffocation** | | | | | | | | | **Yes** | **No** | | **N/A** | **Comments** | | |
| Can anyone be suffocated due to lack of oxygen, or atmospheric contamination? | | | | | | | | |  |  | |  |  | | |
| **High Temperature or Fire** | | | | | | | | | **Yes** | **No** | | **N/A** | **Comments** | | |
| Can anyone come into contact with objects at high temperature? | | | | | | | | |  |  | |  | Use of any unauthorised power sources can result in fire, ensure nothing clogs the air vent, do not connect the converter to anything that exceeds the max voltage output | | |
| Can anyone be injured by fire? | | | | | | | | |  |  | |  | If necessary precautions are ignored, injuries by fire can be severe or fatal. | | |
| **Other Hazards** | | | | | | | | | **Yes** | **No** | | **N/A** | **Comments** | | |
| Can anyone be injured or suffer ill-health from exposure to fumes? | | | | | | | | |  |  | |  |  | | |
| Can anyone be injured or suffer ill-health from exposure to dust? | | | | | | | | |  |  | |  |  | | |
| Can anyone be injured or suffer ill-health from exposure to noise? | | | | | | | | |  |  | |  |  | | |
| Can anyone be injured or suffer ill-health from exposure to vibration? | | | | | | | | |  |  | |  |  | | |
| Can anyone be injured or suffer ill-health from exposure to other factors not mentioned? | | | | | | | | |  |  | |  |  | | |