

Occupational Health and Safety

PLANT RISK ASSESSMENT

Plant Description:	CAT 980H	Assessment No:	PRA-08
Prepared by: Date:	Greg Fieldwick 24/10/2021	Approved by: Date:	Steven Fieldwick 24/10/2021

Reference Documents:

Fieldwicks SW106 Loader Operations
Fieldwicks Employee Induction Handbook
Manufacturers Maintenance Manual
Manufacturers Operating Manual

Note : Refer to the Risk Matrix set out in OH&SP No. 004 for calculation of risk level

Hazards/Risk Factors	Uncontrolled Risk Score	Control Measures	Controlled Risk Score
Entanglement: <i>Hair, clothing, gloves, or other materials becoming entangled with moving parts of the plant</i>	16	- Licensed and Competent Operators - No unauthorised personnel allowed at the controls of the machine - Fieldwicks SWP106 to be read and understood by all operators - Machine guarding in place and checked on a daily basis as part of start up procedures - No person permitted to be in close proximity to the operating area of the machine unless authorised and has made contact with the operator - All obstacles that may be in the path of a machine are removed before work commences - Daily plant inspections before the beginning of a shift are used to identify any potential machine issues that may exist - Isolation Procedures are undertaken before any maintenance activity - Machine fitted with movement alarm - Driver only permitted in cab during operation	2

Hazards/Risk Factors	Uncontrolled Risk Score	Control Measures	Controlled Risk Score
Crushing: <i>Uncontrolled or unexpected movement of the plant</i>	16	• Licensed and Competent Operators • No unauthorised personnel allowed at the controls of the machine • Fieldwicks SWP106 to be read and understood by all operators • Operator Manual Located in Cab of Machine at all times • Warning decals on machine highlighting pinch points / close clearance • Machine controls have their functions labelled • No person permitted to be in close proximity to the operating area of the machine unless authorised and has made contact with the operator • Isolation Procedures are undertaken before any maintenance activity • Machine fitted with movement alarm • Machine fitted with warning lights • Machine fitted with rear view mirrors	2

Hazards/Risk Factors	Uncontrolled Risk Score	Control Measures	Controlled Risk Score
Cutting, Stabbing, Puncturing: <i>Contact with moving parts of machine, sharp objects</i>	16	• Licensed and Competent Operators • No unauthorised personnel allowed at the controls of the machine • Fieldwicks SWP106 to be read and understood by all operators • Operator Manual Located in Cab of Machine at all times • Machine controls have their functions labelled • All obstacles that may be in the path of a machine are removed before work commences • Machine bucket, attachments etc are always lowered to the ground before any attempt to repair or inspect them • Daily plant inspections before the beginning of a shift are used to identify any potential machine issues that may exist • Isolation Procedures are undertaken before any maintenance activity • Regular job briefing take place between all relevant stakeholders when machine is operating	2

Hazards/Risk Factors	Uncontrolled Risk Score	Control Measures	Controlled Risk Score
Shearing: <i>Body parts sheared between two parts of the machine or other structures</i>	16	• Licensed and Competent Operators • No unauthorised personnel allowed at the controls of the machine • Operator Manual Located in Cab of Machine at all times • Warning decals on machine highlighting pinch points / close clearance • Machine controls have their functions labelled • No person permitted to be in close proximity to the operating area of the machine unless authorised and has made contact with the operator • Isolation Procedures are undertaken before any maintenance activity • Machine fitted with movement alarm • Machine fitted with warning lights • Lockable cab to prevent unauthorised access • Driver only permitted in cab during operation	2

Hazards/Risk Factors	Uncontrolled Risk Score	Control Measures	Controlled Risk Score
Striking: <i>During operation of plant, moving parts of plant, movement of plant</i>	16	• Licensed and Competent Operators • No unauthorised personnel allowed at the controls of the machine • Warning decals on machine highlighting pinch points / close clearance • Machine controls have their functions labelled • Machines fitted with pattern changes have warning signage to advise operator to check before moving • No person permitted to be in close proximity to the operating area of the machine unless authorised and has made contact with the operator • All obstacles that may be in the path of a machine are removed before work commences • Regular job briefing take place between all relevant stakeholders when machine is operating • Machine fitted with movement alarm • Machine fitted with warning lights • Machine fitted with Spot lights for working in low of no natural light • Machine fitted with rear view mirrors	2

Hazards/Risk Factors	Uncontrolled Risk Score	Control Measures	Controlled Risk Score
High Pressure Fluid: <i>Contact with high pressure fluids during operation or maintenance</i>	16	• Licensed and Competent Operators • No unauthorised personnel allowed at the controls of the machine • Operator Manual Located in Cab of Machine at all times • Machine controls have their functions labelled • Machine buckets, attachments etc are always lowered to the ground before any attempt to repair or inspect them • Daily pant inspections before the beginning of a shift are used to identify any potential machine issues that may exist • All fluid lines are relieved on any pressure before they are disconnected and/or repaired • Isolation Procedures are undertaken before any maintenance activity • Regular job briefing take place between all relevant stakeholders when machine is operating • Lockable cab to prevent unauthorised access • Driver only permitted in cab during operation	2

Hazards/Risk Factors	Uncontrolled Risk Score	Control Measures	Controlled Risk Score
Electrical: <i>Contact with live electrical conductors during operation, overload of electrical circuits, electrical leads and cables</i>	23	• Licensed and Competent Operators • No unauthorised personnel allowed at the controls of the machine • Fieldwicks SWP106 to be read and understood by all operators • Operator Manual Located in Cab of Machine at all times • All obstacles that may be in the path of a machine are removed before work commences • Machine booms, attachments etc are always lowered to the ground before any attempt to repair or inspect them • Daily pant inspections before the beginning of a shift are used to identify any potential machine issues that may exist • Isolation Procedures are undertaken before any maintenance activity • Machine is fitted with circuit breakers and fuses • Warning signage inside machine to warn of contact with overhead powerlines • Machine fitted with movement alarm • Machine fitted with UHF Radio • Machine fitted with Spot lights for working in low of no natural light • Machine fitted with rear view mirrors	11

Hazards/Risk Factors	Uncontrolled Risk Score	Control Measures	Controlled Risk Score
Explosion: <i>Explosion of onboard fuel supply or other substances</i>	16	• Operator Manual Located in Cab of Machine at all times • All obstacles that may be in the path of a machine are removed before work commences • Daily plant inspections before the beginning of a shift are used to identify any potential machine issues that may exist • All fluid lines are relieved on any pressure before they are disconnected and/or repaired • Isolation Procedures are undertaken before any maintenance activity • Machine is fitted with circuit breakers and fuses • Regular job briefing take place between all relevant stakeholders when machine is operating	11

Hazards/Risk Factors	Uncontrolled Risk Score	Control Measures	Controlled Risk Score
Slipping, Tripping, Falling: <i>Uneven or slippery surfaces, poor housekeeping, other obstacles, poor access and egress, lack of handrails</i>	17	- Licensed and Competent Operators - No unauthorised personnel allowed at the controls of the machine - Fieldwicks SWP106 to be read and understood by all operators - Operator Manual Located in Cab of Machine at all times - Machine bucket, attachments etc are always lowered to the ground before any attempt to repair or inspect them - Daily plant inspections before the beginning of a shift are used to identify any potential machine issues that may exist - Isolation Procedures are undertaken before any maintenance activity - Handrails in place to allow for safe access and egress - All personnel accessing and egressing machine must always maintain a 3 point contact - Slip resistant ladder rails and foot wells are fitted - Machine fitted with Spot lights for working in low of no natural light	5

Hazards/Risk Factors	Uncontrolled Risk Score	Control Measures	Controlled Risk Score
Ergonomic: <i>Seating, repetitive body movements, inadequate lighting, poor vision from normal operating position</i>	13	• Licensed and Competent Operators • Handrails in place to allow for safe access and egress • All personnel accessing and egressing machine must always maintain a 3 point contact • Slip resistant ladder rails and foot wells are fitted • Machine is fitted with a seat belt and warning signage • Machine fitted with movement alarm • Machine fitted with warning lights • Machine fitted with UHF Radio • Machine fitted with Spot lights for working in low of no natural light • Ergonomically designed , fully adjustable operator seat in stalled • Machine fitted with rear view mirrors • Lockable cab to prevent unauthorised access • Windscreen wipers fitted • Driver only permitted in cab during operation	5

Hazards/Risk Factors	Uncontrolled Risk Score	Control Measures	Controlled Risk Score
Suffocation: <i>Exhaust Gases, atmospheric contamination, other fume sources</i>	16	• Licensed and Competent Operators • No unauthorised personnel allowed at the controls of the machine • Fieldwicks SWP106 to be read and understood by all operators • Operator Manual Located in Cab of Machine at all times • Daily plant inspections before the beginning of a shift are used to identify any potential machine issues that may exist • All fluid lines are relieved on any pressure before they are disconnected and/or repaired • Isolation Procedures are undertaken before any maintenance activity	2

Hazards/Risk Factors	Uncontrolled Risk Score	Control Measures	Controlled Risk Score
High Temperature: <i>Engine or exhausts, fluids or other exposure to high temperatures</i>	16	- Licensed and Competent Operators - No unauthorised personnel allowed at the controls of the machine - Fieldwicks SWP106 to be read and understood by all operators - Operator Manual Located in Cab of Machine at all times - Daily plant inspections before the beginning of a shift are used to identify any potential machine issues that may exist - Isolation Procedures are undertaken before any maintenance activity	5

Plant Specific Control Measures	Control Measure Description

Note : Refer to the Risk Matrix set out in OH&SP No. 004 for calculation of risk level