# EWP Plant Pack

# SuperElevate 35.15


| | | |
|---|---|---|
| **Make :** | **Platform Basket** | |
| **Model:** | **SPIDER 33.15 ED** | **Diesel/240/ Lithium** |
| **Year of Manufacture :** | **2017** | **Unit- 40** |
| **Serial Number:** | **PB10149** | |
| **10 Year Major Inspection:** | **N/A** | |
| | | |

# Contents



| Insurance | Policy Number | Expiry |
|---|---|---|
| Industrial Special Plant- Hired in Plant | 12TI019725ISP | 30 June 2025 |
| Motor Fleet Insurance | CPG20184680 | 30 June 2025 |
| Primary Public and Product Liability | AU00012293L120A 408896BAA | 30 June 2025 |
| Marine Cargo Insurance | Hiller Marine | 30 June 2025 |
| PHG (EME CEP-004.1) | CS22060806A/00/03 | 30 June 2025 |
| Professional Indemnity | B074022082200 | 22 August 2025 |
| Management Liability | P_ML/0/235734/19/K9 | 30 June 2025 |
| QLD Workers Comp | WNA031050083 | 30 September 2025 |
| NSW Workers Comp | 104004501 | 30 June 2025 |
| VIC Workers Comp | 13009276 | 30 June 2025 |
| SA Workers Comp | 28043111 | 30 June 2025 |
| WA Workers Comp | PE1964723GWC | 30 June 2025 |
| PHG Workers Comp NSW | 109910101 | 30 June 2025 |
| PHG Workers Comp QLD | WSM220768759 | 30 June 2025 |

# SUPERELEVATE™ 33.15


| | |
|---|---|
| 32,4m | 13.7m |
| 230 kg | max.7,09m<br>min. 6,54m |
| 1,39 m/ 1,99 m | 6800kg |
| 4,85 m x 4,61 m | KUBOTA Diesel<br>Lithium Battery |

The Preston Hire SuperElevate™33.15 unique telescoping articulated boom design provides exceptional up and over outreach specifications. Dual position stabilizer legs allow the Preston Hire SuperElevate™ 33.15 to be set-up in the most difficult locations.
Even with the stabilizers set in the narrow position, a complete 400° slew is still possible!

PRESTON HIRE
COUNT ON US

1800 440 550 | prestonhire.com.au

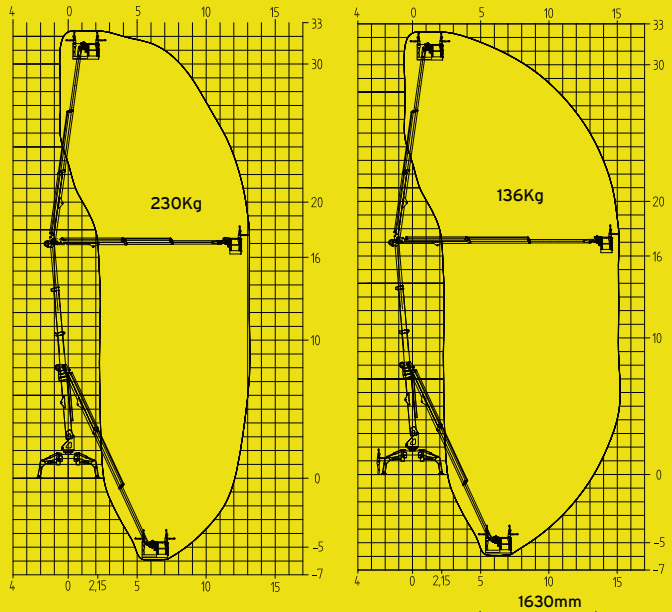
# SPECIFICATIONS SUPERELEVATE™
# 33.15

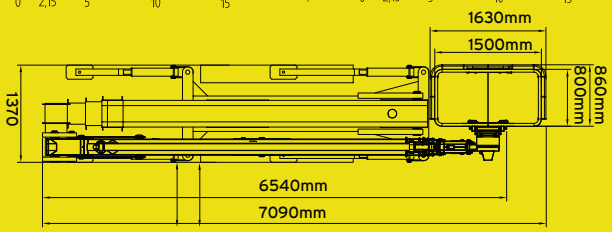
## CAPCITY

| | |
|---|---|
| Load | 230kg |

## SPECIFICATIONS

| | |
|---|---|
| Working Working Height max. | 32.4m |
| Horizontal Working Outreach max. | 14.7m |
| Platform Height max. | 30.4m |
| Total Weight | 6800kg |



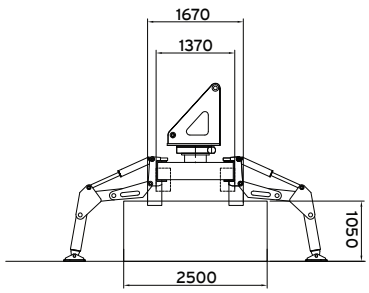



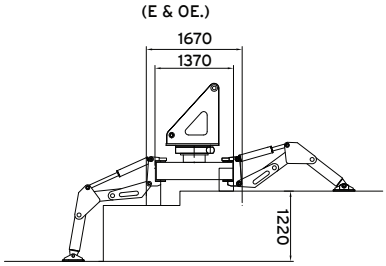


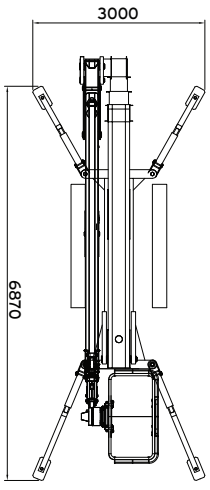
## WORKING RANGE

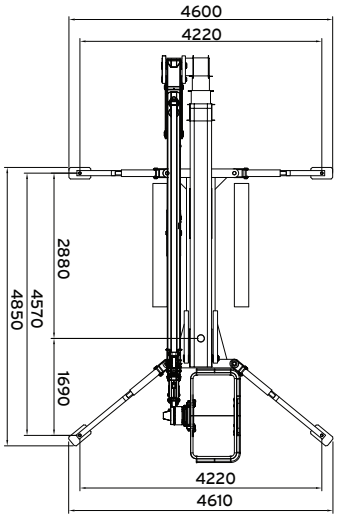
Complies with AS1418.10
*137kN/m$^2$ with optional longer foot pads.

| | |
|---|---|
| Max Horizontal Outreach to edge of basket (m) | 14.7 |
| Weight / Outreach Limited (Yes/No) | Yes |
| Turret Rotation | 400° |
| Basket Rotation | 180° |
| Length with basket (m) | 7.13 |
| Length w/out basket (m) | 6.57 |
| Width stowed (m) tracks retracted | 1.39 |
| Height (m) tracks retracted | 1.99 |
| Basket Dimensions | 1.5 x 0.8 (2.2 x 0.8 option) |
| Total Weight (kg) (diesel and batteries) | 6800 |
| Max ground pressure driving (approx) | 68.6kN/m$^2$ |
| Max stabilizer force | 46.7 kN |
| Max stabilizer pressure with std foot pad | 520kN/m$^2$* |
| Gradeability length-wise | 31 o/o / 17° |
| Gradeability sideways | 31o/o / 17° |
| Stabilizer set-up dimensions | 4.85 x 4.61 o/o |
| Narrow set-up dimensions | 6.87 x 3.0 |
| Max slope for stabilizers | 15° |
| Stabilization system | Radio/auto |
| Optional Power Sources | 24 Volt Battery System<br>240 Volt electric system |
| Stand Power Source/s | Kubota 22 HP Diesel |
| Drive system | Tracks |
| Expanding tracks | Std |
| Drive speed km/h | 2.2 |
| 2 Speed Drive | Yes |
| Remote drive control | Radio Std |
| Battery voltage | 12 |
| Traction battery voltage | 24/420A |
| Basket load control | Std |
| Electric & Air outlets in basket | Std |
| Electric emergency lowering | Std |
| Boom function | Radio control |




PRESTON HIRE
COUNT ON US

1800 440 550 | prestonhire.com.au

# SPIDER LIFT EWP ANNUAL SERVICE INSPECTION REPORT_CHECKLIST

**Description:** #40. Annual Service.
Extra parts supplied and fitted.
* NO CPS manual in the Basket or pouch.
* Basket Remote faulty!

**Next Service Days:** 365

## Check Sheet

| Item | Yes/No | Comment |
|---|---|---|
| **Job Location:** PHV workshop. | | |
| **MACHINE STATUS** | | |
| Machine Hours: 1461 Hrs | | |
| Next Service Hours: 90 Day. | | |
| **CHECKLIST** (√ : Completed, x: Further Work Required) | | |
| **Engine** | | |
| Oil Level | ✓ | Replace. |
| Air Filter clean or replace | ✓ | Replace |
| Fuel filter | ✓ | Replace |
| Check spark plug (If Applicable) | NA. | |
| Check spark arrestor (If Applicable) | NA. | |
| Check all nuts and bolts are tight | ✓ | |
| Fuel tank & filter strainer | ✓ | |
| Check pull start & Elec start system | NA. | |
| Check all engine mounts & covers | ✓ | |
| **12V Electrical** | | |
| Check 12v Battery is secure & clean | ✓ | |
| Check alternator charge | ✓ | |
| HYBRID- Check all batteries & components | ✓ | |
| Check all limit switches are operational | ✓ | |
| Check all connections are secure | ✓ | |
| Check for moisture in connections | ✓ | |
| Check on board 12v charger is operational | ✓ | |
| Check all safety beacons/lights & alarms | ✓ | |

| | | |
|---|---|---|
| Check all outrigger lights & lenses | ✓ | |
| Test isolator & key switches working on/off | ✓ | |
| **240V Electrical** | | |
| Check test & tag is in date. Date on Tag: | ✓ | |
| Test RCD (Residual Current Devices) | ✓ | |
| Check 240v plug outlet on platform | ✓ | |
| Check 240v plug for damage/water | ✓ | |
| Check 240v motor (if applicable) | ✓ | |
| Test any on board battery chargers | ✓ | |
| **Hydraulics** | | |
| Hydraulic oil Level | ✓ | |
| Hydraulic filters | ✓ | Replaced |
| Check all components for damage | ✓ | |
| Check all hoses & fitting for leaks | ✓ | |
| Test emergency lowering devices/valves | ✓ | |
| Check control valves for leaks | ✓ | |
| Check hydraulic drive motor/brakes/oil | ✓ | |
| Check all outrigger cylinders leaks/damage | ✓ | NO Leaks |
| Check basket levelling system is operational | ✓ | |
| Check lifting cylinder for leaks/damage | ✓ | |
| Check all track width cylinders leaks/damage | ✓ | Adjust Tension |
| Check & test all safety hydraulic valves | ✓ | |
| **Structure** | | |
| Replace track drive motor oil | X | |
| Re-tension turret support bolts in/out | ✓ | |
| Re-tension drive wheel nuts | X | |
| Check chain | ✓ | |
| Change slew gearbox oil | ✓ | |
| Check track condition, tread & tension | ✓ | Cuts and Tears in Track x1 |
| Check all nuts & bolts are tight & secure | ✓ | |
| Check all booms independently for damage | ✓ | External Scuffs on Booms. |
| Check step boards are secure/clean | ✓ | |
| Check all telescope wear blocks | ✓ | |
| Check turret/slew ring for wear/damage | ✓ | |
| Check all cover plates are secured | ✓ | Straighten bent Panels. |
| Grease telescopic boom & chains | ✓ | |
| Grease all points where required | ✓ | |
| Check level indicator is operational/secure | ✓ | |

| | | |
|---|---|---|
| Check undercarriage for cracks/damage | ✓ | |
| **Functions/Operations** | | |
| Check/test weight limits are calibrated | ✓ | |
| Load 300kg into basket and test deflection | ✓ | |
| Insert scale and calibrate outrigger weights | ✓ | |
| Test dead man pedal/switch | ✓ | |
| Decals/Warning stickers | ✓ | |
| Test all working envelopes | + | |
| Test all safety cut outs/switches | + | *Needs new Remote. |
| Test all operations on control & panels on all modes i.e diesel, 240v or hybrid | + | Basket Remote faulty Cannot operate. |
| Test steer functions | ✓ | Wiring Tests OK. |
| Test Hi/Lo drive function | ✓ | |
| Test Auto self-level function | ✓ | |
| Test all working envelopes & restrictions | ✓ | |
| Check locking pins on alloy basket are secured | ✓ | |
| Test emergency stops | ✓ | |
| Test safety bar & step is operation in basket | ✓ | |
| Fire Extinguisher (if applicable) | WA. | |
| Check for all operator's manuals | ✓ | |
| Complete service sticker & sign log book | ✓ | |
| **JOBCARD** | | |
| WORK SUMMARY: | ✓ | Some service as per parts Supplied |
| ADDITIONAL WORK CARRIED OUT: | | By PHU. |
| ADDITIONAL WORK REQUIRES: | | * No Ops manual. |
| **PART USED** | | |
| Travel (Kms) | | |
| Tolls | | |
| Consumables | | |
| Part Number/Description/Quantity: | | |
| **Technician's Name:** Moe Carter. | M | |

## Costs

Date: 01/10/2024

| Item | Qty. | Unit Price | Disc. |
|---|---|---|---|
| Total | | | |

**Job No. 840**

Date: 09:05 19/06/2024
Pickup Time: 17:00 19/06/2024
Invoice No#: PH14078
Job Type: SPIDER LIFT EWP ANNUAL SERVICE INSPECTION REPORT_CHECKLIST
Odometer:
Mechanic: Rowan Grant

Make/Model: PLATFORM BASKET SPIDER 33.15 ED, Fleet# 40
Registration No.:
Registration Due Date:
Year/Build Date: 2017
Fleet No: 40
VIN:
Serial No: PB10149
Engine Type:
Next Service Date: 02/06/2024
Next Service Odometer:

Customer: PRESTON HIRE (VIC) Pty
Mobile: 0429 892 193
Phone: +61-1800440550
Email: Steve.bowden@prestonhire.com.au, dennis.apted@prestongroup.com.au, raymond.wade@prestonhire.com.au

**Note:**

**Tags:** VIC WORKSHOP

## Check Sheet

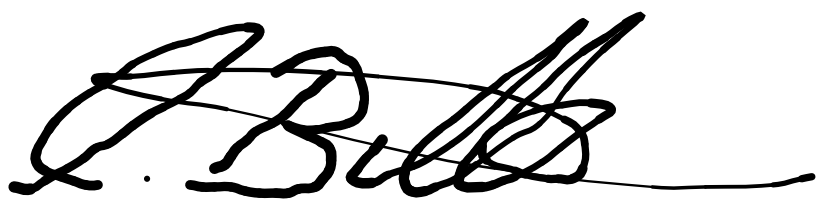
| Item | Yes/No | Comment/Part Used |
|---|---|---|
| **SPIDER LIFT EWP ANNUAL SERVICE INSPECTION REPORT_CHECKLIST** | | |
| **Job Location:** | | |
| **MACHINE STATUS** | | |
| Machine Hours: | ✓ | 1451H |
| Next Service Hours: | ✓ | 90 days or 3 months |
| **CHECKLIST** **(√ : Completed, x: Further Work Required)** | | |
| **Engine** | | |
| Oil Level | ✓ | |
| Air Filter clean or replace | ✓ | new air filter needed |
| Fuel filter | ✓ | |
| Check spark plug (If Applicable) | ✓ | |
| Check spark arrestor (If Applicable) | ✓ | muffler has a crack in it |
| Check all nuts and bolts are tight | ✓ | |
| Fuel tank & filter strainer | ✓ | |
| Check pull start & Elec start system | ✓ | |
| Check all engine mounts & covers | ✓ | 3 broken engine mounts |

| | | |
|---|---|---|
| **12V Electrical** | | |
| Check 12v Battery is secure & clean | ✓ | |
| Check alternator charge | ✓ | |
| HYBRID- Check all batteries & components | ✓ | |
| Check all limit switches are operational | ✓ | |
| Check all connections are secure | ✓ | |
| Check for moisture in connections | ✓ | |
| Check on board 12v charger is operational | ✓ | |
| Check all safety beacons/lights & alarms | ✓ | |
| Check all outrigger lights & lenses | ✓ | |
| Test isolator & key switches working on/off | ✓ | |
| **240V Electrical** | | |
| Check test & tag is in date. Date on Tag: | ✓ | |
| Test RCD (Residual Current Devices) | ✓ | |
| Check 240v plug outlet on platform | ✓ | |
| Check 240v plug for damage/water | ✓ | |
| Check 240v motor (if applicable) | ✓ | |
| Test any on board battery chargers | ✓ | |
| **Hydraulics** | | |
| Hydraulic oil Level | ✓ | topped up oil due to minor leak from one of the supply hoses from the pump |
| Hydraulic filters | ✓ | |
| Check all components for damage | ✓ | |
| Check all hoses & fitting for leaks | ✓ | |
| Test emergency lowering devices/valves | ✓ | |
| Check control valves for leaks | ✓ | |
| Check hydraulic drive motor/brakes/oil | ✓ | |
| Check all outrigger cylinders leaks/damage | ✓ | |
| Check basket levelling system is operational | ✓ | |
| Check lifting cylinder for leaks/damage | ✓ | |
| Check all track width cylinders leaks/damage | ✓ | |

| | | |
|---|---|---|
| Check & test all safety hydraulic valves | ✓ | |
| **Structure** | | |
| Replace track drive motor oil | ✓ | |
| Re-tension turret support bolts in/out | ✓ | |
| Re-tension drive wheel nuts | ✓ | |
| Check chain | ✓ | |
| Change slew gearbox oil | ✓ | |
| Check track condition, tread & tension | ✓ | |
| Check all nuts & bolts are tight & secure | ✓ | |
| Check all booms independently for damage | ✓ | |
| Check step boards are secure/clean | ✓ | |
| Check all telescope wear blocks | ✓ | |
| Check turret/slew ring for wear/damage | ✓ | |
| Check all cover plates are secured | ✓ | |
| Grease telescopic boom & chains | ✓ | |
| Grease all points where required | ✓ | |
| Check level indicator is operational/secure | ✓ | |
| Check undercarriage for cracks/damage | ✓ | |
| **Functions/Operations** | | |
| Check/test weight limits are calibrated | ✓ | |
| Load 300kg into basket and test deflection | ✓ | |
| Insert scale and calibrate outrigger weights | ✓ | |
| Test dead man pedal/switch | ✓ | |
| Decals/Warning stickers | ✓ | |
| Test all working envelopes | ✓ | |
| Test all safety cut outs/switches | ✓ | |
| Test all operations on control & panels on all modes i.e diesel, 240v or hybrid | ✓ | |
| Test steer functions | ✓ | |
| Test Hi/Lo drive function | ✓ | |
| Test Auto self-level function | ✓ | |
| Test all working envelopes & restrictions | ✓ | |

| | | |
|---|---|---|
| Check locking pins on alloy basket are secured | ✓ | |
| Test emergency stops | ✓ | |
| Test safety bar & step is operation in basket | ✓ | |
| Fire Extinguisher (if applicable) | ✓ | |
| Check for all operator's manuals | ✓ | |
| Complete service sticker & sign log book | ✓ | |
| **JOBCARD** | | |
| WORK SUMMARY: | | completed annual service per inspection checklist.<br>changed oil and filter |
| ADDITIONAL WORK CARRIED OUT: | | |
| ADDITIONAL WORK REQUIRES: | | |
| **PART USED** | | |
| Travel (Kms) | | |
| Tolls | | |
| Consumables | | |
| Part Number/Description/Quantity: | | |
| **Technician's Name: Rowan** | | |

**Authorised Signature**



**Date: 20/06/2024**

PRESTON HIRE®

**Job No. 585**

Date: 07:20 01/03/2024
Pickup Time: 17:00 01/03/2024
Invoice No#: PH13841
Job Type: SPIDER LIFT EWP 90 DAY SERVICE INSPECTION REPORT_CHECKLIST
Odometer:
Mechanic: Rowan Grant

Make/Model: PLATFORM BASKET SPIDER 33.15 ED, Fleet# 40
Registration No.:
Registration Due Date:
Year/Build Date: 2017
Fleet No: 40
VIN:
Serial No: PB10149
Engine Type:
Next Service Date: 25/02/2024
Next Service Odometer:

Customer: PRESTON HIRE (VIC) Pty
Mobile: 0429 892 193
Phone: +61-1800440550
Email: Steve.bowden@prestonhire.com.au, dennis.apted@prestongroup.com.au, raymond.wade@prestonhire.com.au

**Note:**

**Tags:** VIC WORKSHOP | Carl

## Check Sheet

| Item | Yes/No | Comment/Part Used |
|---|---|---|
| **SPIDER LIFT EWP 90 DAY SERVICE INSPECTION REPORT_CHECKLIST** | | |
| **Job Location:** | | |
| **MACHINE STATUS** | | |
| Machine Hours: | ✓ | 1302h |
| Next Service Hours: | ✓ | 1/6/24 |
| **CHECKLIST**<br>**(√ : Completed, X: Further Work Required)** | | |
| **Engine** | | |
| Oil Level | ✓ | |
| Air Filter clean or replace | ✓ | |
| Fuel filter | ✓ | |
| Check all nuts and bolts are tight | ✓ | |
| Fuel tank & filter strainer | ✓ | |
| Check pull start & Elec start system | ✓ | |
| Check all engine mounts & covers | ✓ | |
| **12V Electrical** | | |
| Check 12v Battery is secure & clean | ✓ | |

| | | |
|---|---|---|
| Check alternator charge | ✓ | |
| HYBRID- Check all batteries & components | ✓ | |
| Check all limit switches are operational | ✓ | |
| Check all connections are secure | ✓ | |
| Check for moisture in connections | ✓ | |
| Check on board 12v charger is operational | ✓ | |
| Check all safety beacons/lights & alarms | ✓ | |
| Check all outrigger lights & lenses | ✓ | |
| Test isolator & key switches working on/off | ✓ | |
| **240V Electrical** | | |
| Check test & tag is in date. Date on Tag: | ✓ | Needs test and tag |
| Test RCD (Residual Current Devices) | ✓ | |
| Check 240v plug outlet on platform | ✓ | |
| Check 240v plug for damage/water | ✓ | |
| Check 240v motor (if applicable) | ✓ | |
| Test any on board battery chargers | ✓ | |
| **Hydraulics** | | |
| Hydraulic oil Level | ✓ | |
| Hydraulic filters | ✓ | |
| Check all components for damage | ✓ | |
| Check all hoses & fitting for leaks | ✓ | |
| Test emergency lowering devices/valves | ✓ | |
| Check control valves for leaks | ✓ | |
| Check hydraulic drive motor/brakes/oil | ✓ | |
| Check all outrigger cylinders leaks/damage | ✓ | |
| Check basket levelling system is operational | ✓ | |
| Check lifting cylinder for leaks/damage | ✓ | |
| Check all track width cylinders leaks/damage | ✓ | |
| Check & test all safety hydraulic valves | ✓ | |
| **Structure** | | |
| Replace track drive motor oil | ✓ | |

| | | |
|---|---|---|
| Re-tension turret support bolts in/out | ✓ | |
| Re-tension drive wheel nuts | ✓ | |
| Check chain | ✓ | |
| Change slew gearbox oil | ✓ | |
| Check track condition, tread & tension | ✓ | |
| Check all nuts & bolts are tight & secure | ✓ | |
| Check all booms independently for damage | ✓ | |
| Check step boards are secure/clean | ✓ | |
| Check all telescope wear blocks | ✓ | |
| Check turret/slew ring for wear/damage | ✓ | |
| Check all cover plates are secured | ✓ | |
| Grease telescopic boom & chains | ✓ | |
| Grease all points where required | ✓ | |
| Check level indicator is operational/secure | ✓ | |
| Check undercarriage for cracks/damage | ✓ | |
| **Functions/Operations** | | |
| Check/test weight limits are calibrated | ✓ | |
| Load 300kg into basket and test deflection | ✓ | |
| Insert scale and calibrate outrigger weights | ✓ | |
| Test dead man pedal/switch | ✓ | |
| Decals/Warning stickers | ✓ | |
| Test all working envelopes | ✓ | |
| Test all safety cut outs/switches | ✓ | |
| Test all operations on control & panels on all modes i.e diesel, 240v or hybrid | ✓ | |
| Test steer functions | ✓ | |
| Test Hi/Lo drive function | ✓ | |
| Test Auto self-level function | ✓ | |
| Test all working envelopes & restrictions | ✓ | |
| Check locking pins on alloy basket are secured | ✓ | |
| Test emergency stops | ✓ | |

| | | |
|---|---|---|
| Test safety bar & step is operation in basket | ✓ | |
| Fire Extinguisher (if applicable) | ✓ | |
| Check for all operator's manuals | ✓ | |
| Complete service sticker & sign log book | ✓ | |
| **JOBCARD** | | |
| WORK SUMMARY: | ✓ | Carried out 90 day service per inspection checklist, performed full function test and visual observation. Grease machine and hot wash |
| ADDITIONAL WORK CARRIED OUT: | | |
| ADDITIONAL WORK REQUIRES: | ✓ | Requires both tracks to be replaced |
| **PART USED** | | |
| Travel (Kms) | | |
| Tolls | | |
| Consumables | | |
| Part Number/Description/Quantity: | | |
| **Technician's Name: Rowan/Carl** | | |

**Authorised Signature**

**Date: 04/03/2024**

PRESTON HIRE

# SPIDERLIFT EWP 13.76, 16.74, 18.93, 22.11, 32.16
# OPERATOR FAMILIARISATION CHECKLIST

**WARNING!**

**ALL operators are required to undergo this specific Familiarization for the Spider Lift EWP. Failure to conduct these checks may results in serious equipment damage and/or personnel injury.**

**INSTRUCTIONS:**

**Discuss all key points throughout this induction as below, once deemed competent, tick as required☑.**
**2 people must complete this Operator Familiarization at a time as there needs to be someone available to lower EWP in case of emergency.**

**INDUCTION:**

| FAMILIARISATION SUMMARY FOR KNUCKLEBOOM EWP | Competent ☑ |
|---|---|
| **Manuals:** | |
| Manuals- Must be with the EWP at all times. | |
| Yellow operators Log Book- Must be with the EWP at all times & filled out daily. | |
| Display how to correctly fill in log book/prestart checklist and where it is located on machine. | |
| **Unit Maintenance** | |
| Explain the service intervals for potential long term hire. 90 day services | |
| Operator is to contact the equipment owner if a service is required (as per service date sticker). | |
| **Daily Pre Checks: Basket** | |
| Display where the harness is to connect it to machine. | |
| Explain harness testing for potential long term hire – Working at heights as per site specific policy | |
| Display how to check alloy basket condition for cracks or damage. Check the safety bars are operational | |
| Display how to ensure locking pin on alloy basket is inserted. | |
| **Daily Pre Checks: Machine engine and lubricants** | |
| Display how and where to check engine oil. | |
| Display how and where to check hydraulic oil if possible. | |
| Display where fuel level is checked and what type of fuel is relevant to that specific machine. *i.e petrol, diesel.* | |
| **Daily Pre Checks: Machine body, booms, hoses, wires** | |
| Display how to visually check all nuts and bolts are tight on entire unit. | |
| Display how to check track tread condition and slack. | |
| Display how to visually check all hydraulic hoses, valves for leaks and are secure/safe for operation. | |
| Display how to visually check for oil, fuel & hydraulic leaks under or around machine. | |
| Display how to visually check 240v 10amp outlet and plug for moisture or damage. | |
| Display how to check current test & tag is in date/current. | |
| Display where the Electrical Monitoring Devices (RCD) are located. | |
| **Control Panel & Operations: Always keep a safe distance from moving equipment, beware of tail spin.** | |
| Display where and how to use the 3 emergency stops. | |
| Display where the 12v battery isolator, start key and engine key is located, outline their function/purpose. | |
| Display how the controller works, syncs, where charger batteries are located & auto boom switch in basket | |
| Display the location of the hour meter. (if required) | |
| Display how to start and stop the engine in Thermic, 240v & lithium (where applicable). | |
| Display how to narrow and widen track width. Wider Maximizes stability. | |
| Display how to drive machine including the hi/lo drive system, speed doubles after 5 sec in a straight line. | |
| Display where to locate the safety beacons and the purpose of the motion alarm. | |
| Discuss the weight limiter, the remote indicates basket capacity when at 30, 60, 80, 100%.Stops at 100% | |
| Discuss the slope degree. Drivability will lock at approx. 8 degrees to prevent topple. | |

| | |
|---|---|
| In the event this occurs lower appropriate stabilizers to prevent tipping, reverse the machine out of the danger zone. In the event of full lock out, call technical support for advice. | |
| Discuss how to set up the articulated stabilizers and the working envelopes (22-11 only) | |
| Discuss how to lower the stabilizers, beeping while levelling , solid noise when level, ABCD, sight glass X&Y. | |
| Display & discuss the minimum track clearance to ground on setting up the outriggers. (Minimum 5 cm) | |
| Display how to place control in cradle, electromagnets detect and switch to boom functions. | |
| **Specific to 22-11 units**, if any stabilizer is in the yellow envelop the remote will be alarming and vibrating. This is an anti crush warning which requires the following authorization. Place Remote in cradle, hold the far left lever down for 7 second. | |
| Display how to operate all controls. Deadman, Aerial functions, jib, booms, turret, basket tilt and rotate. | |
| Display what the warning lights are and their meaning/alarm. i.e. movement limiter. | |
| Display the go home function, note: it will not go home the same way of elevation. Detail and reiterate the booms must be fully home activating sensors for pack up. | |
| Display how to pack the machine up into the rest position in the correct manner. | |
| Display how to charge the machine after use. (if required) Keys off , Battery isolator on | |
| Display how and where to store the machine suitably. *I.e. do not pressure wash and keep out of heavy rain*. | |
| **Emergency Retrieval – only to be used in an emergency situation** | |
| Explain and Demonstrate how to operate hydraulic pump and levers when endothermic and electric power | |
| Explain and Demonstrate how to use the manual handle and levers when no power available. | |
| Explain the 340 degree rotation and manual slew no go zone. | |
| **Transportation of the Unit:** | |
| Discuss how the jib lifts up and down for transport clearance. | |
| Display where the correct tie down locations and dedicated lifting points are. | |
| Advise that exclusion zones when using and moving the EWP may be required. | |

| | | | |
|---|---|---|---|
| **Unit Model:** | | **Serial number:** | |
| **Authorized Person to Orientate:** | | **Signature:** | |
| **Date:** | | | |

| **Trainee Name: (s)** | **License number:** | **License Expiry date:** | **Signature (s):** |
|---|---|---|---|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

**Photos of Operator HRW Licences must be taken at this point of the Familiarisation Training (<u>Yellow Card is not sufficient</u> due to the height the equipment reaches).**

# Plant Hazard Identification and Risk Assessment
# Spider Lift EWP

## Plant Information

| | | | |
|---|---|---|---|
| **Plant item:** | 3315 Spider Lift EWP | **Plant identification details (asset/plant no.):** | 3315 U40 |
| **Project:** | | | |

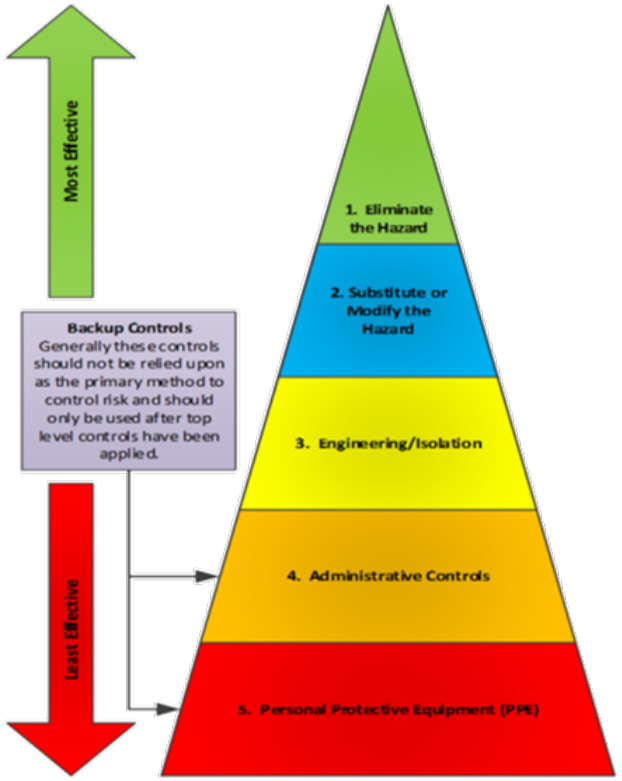
| | |
|---|---|
| **Competency required to operate the plant:** | HRW Licence – WP<br>Preston Hire Operator Familiarisation<br>2 Operators to be trained and present at all times |
| **List all legislation, codes of practice and Australian Standards applicable to and referenced within this document:** | Managing the Risks of Plant Code of Practice 2013<br>How to Manage Work Health and Safety Risks Code of Practice 2011<br>AS 2550.10 2006 Cranes Hoists and Winches - Safe Use – Part 10 Mobile Elevating Work Platforms<br>AS 4024 Safety of Machinery<br>AS 60204.1 Safety of Machines – Electrical equipment |
| **List other documentation relevant to this plant reviewed during this assessment?** | Use and Maintenance Manual |


| | | | |
|---|---|---|---|
| **Assessment conducted by: Names and positions** | (name)<br>Sales Coordinator | Andrew Demos<br>WHS Coordinator | **Date:** 27 August 2024 |

| | | | | | |
|---|---|---|---|---|---|
| **Identified energy sources:** | Diesel | | **State method of isolation:** | Isolation Tag Procedure | |
| **Other permit to work required?** | ☐ Yes ☒ No | **If Yes, which permits:** | N/A | **Licencing/Training Requirements for Operation** | Yellow Card for EWP<br>Operator Familiarisation |

All risks associated with this item are assessed using the 3x3 matrix below and the Risk Management Hierarchy has been applied to all controls.

| 3x3 Risk Matrix | | CONSEQUENCE | | |
|---|---|---|---|---|
| | | A -Minor | B -Serious | C – Major |
| | | Minor First Aid | Medical treatment and Injury Reported LTI | Fatality or significant permanent disability: life threatening event |
| | | Financial Loss <$1000 | Financial Loss $1000 – $10k | Financial Loss > $10k |
| | | Little or no environmental harm | Moderate environmental impact | Long term environmental damage |
| LIKELIHOOD | 3 - Almost Certain<br>Common or repeating occurrence, most likely | Medium M | High H | High H |
| | 2 - Possible<br>Known to occur, or, "it has happened" | Low L | Medium M | High H |
| | 1 - Rare<br>Not likely to occur/remote but still possible | Low L | Low L | Medium M |



## Maintenance and Repair Assessment

| | | | |
|---|---|---|---|
| No. of employees working on (or likely to be working on) plant: | Minimum of 2 people at all times (1 on the ground and able to perform the emergency operations) | **Estimate of duration of activity:** | |

| Type of activity: | Scheduled frequency | By whom | Location of maintenance: |
|---|---|---|---|
| ☒ Scheduled.<br>Inspections to be carried out as per Manufacturer's Operational and Maintenance Manual | • Daily | Operator | ☒ On site - ☐ Off site. |
| | • Monthly Service/Checks | Preston Hire Operator | ☒ On site - ☒ Off site. |
| | • 3 Monthly | Supplier Approved Service Technician | ☒ On site - ☐ Off site. |
| | • Annual | Supplier Approved Service Technician | ☐ On site - ☒ Off site. |
| | • 10 Yearly | Service Technician | ☐ On site - ☒ Off site. |
| ☒ Unscheduled. | When and if it malfunctions | Service Technician | ☒ On site - ☐ Off site. |

| | |
|---|---|
| **Competency requirements for maintenance:** | All inspections maintenance and repairs shall be carried out by a competent person.<br>QLD Plant Code of Practice 2005<br>(a) A competent person inspecting welding on a crane should have suitable knowledge and experience in the inspection and testing of welds, including knowledge of non-destructive testing methods, and AS/NZS 1554: Structural steel welding.<br>(b) A competent person inspecting hydraulic systems and circuitry on the crane should have suitable knowledge and experience in the inspection and testing of hydraulic systems.<br>(c) A competent person inspecting electrical systems, including the ability to read circuit diagrams and understand relevant technical standards. This person **must be a qualified and licensed electrician** where the voltage of the electrical system is greater than 50 volts alternating current or 115 volts direct current.<br>(d) |

## Hazard Identification and Risk Assessment during operation and/or maintenance activities

| | | | |
|---|---|---|---|
| **Section 1** | Put an **X** if the hazard does apply to the plant. Leave blank if the hazard does not apply to the plant. | **Section 4** | Then indicate the **Consequence**, **Likelihood** and **Risk Rating**. |
| **Section 2** | Write where on the plant the hazard exists. | **Section 5** | Write the existing Controls and relevant Comments relating to additional controls required |
| **Section 3** | Indicate when the exposure is likely to occur? During Operations **(O),** Maintenance **(M)** or Both **(B)**. | **Section 6** | Indicate the residual risk taking into account controls being implemented after considering applicable legislation, Codes, Standards, etc. |

| Section 1 | Section 2 | Section 3 | Risk Rating | Section 5 | Residual Risk |
|---|---|---|---|---|---|

| Hazard category and examples | Where on this plant does this hazard exist? | Exposure during Operations Maintenance or Both? | Consequence | Likelihood | Risk Rating | Controls and Comments | Consequence | Likelihood | Risk Rating |
|---|---|---|---|---|---|---|---|---|---|
| **Entanglement**<br>☒ Arms, hands, fingers, or upper body<br>☒ Legs, feet, or lower body<br>☒ Hair, clothing, or jewellery<br>☐ Cleaning brushes, rags etc<br>☐ Isolation of energy sources<br>☐ Other (please specify) | Whole plant | Both | B | 2 | Med | Ensure hands, fingers, loose clothing, jewellery and other limbs are not exposed to crush/pinch points when conducting maintenance works or pre-start checks.<br>Ensure lockout at main oscillation before maintenance works commence<br>Keep personnel clear during machine operation.<br>Set up exclusion zone under and around immediate working area.<br>Barricade off designated work area | B | 1 | Low |
| **Inadequate Access**<br>☒ Falling<br>☐ Hitting crane objects with part of body<br>☒ Tools falling causing injury | Access to platform | Both | C | 2 | High | Ensure deck is clean and in good condition<br>Avoid oil, grease and mud on workboots<br>Maintain a clean platform, clear of rubbish and tools<br>Maintain a good foot and hand hold when climbing in and out of the platform (3 points of contact)<br><br>Fall arrest systems or restraint devices complying with the appropriate parts of AS/NZS 1891 are to be worn and attached to the anchorage points (as per AS 2550.10). Site specific working at heights procedures must be followed.<br><br>Set up exclusion zone under and around immediate working area.<br>Tools must be secured using lanyards or similar. | B | 1 | Low |
| **Cutting/ Stabbing/ Puncturing**<br>☐ Contact with sharp parts<br>☐ Contact with flying parts or work pieces<br>☐ Parts or work pieces breaking (disintegrating)<br>☐ Work pieces ejected<br>☐ Movement of plant or components<br>☒ Isolation of energy sources<br>☒ Body or body parts caught in moving components<br>☐ Other (please specify) | Engine | Both | C | 2 | High | Ensure lockout of main isolation switch before works commence. | B | 1 | Low |
| | Complete Crane | Both | C | 2 | High | Personnel not to place hands, fingers or other body parts in nip zones<br><br>Barricade and sign work area - no unauthorised personnel to enter work zone | B | 1 | Low |

| Section 1 | Section 2 | Section 3 | Risk Rating | Section 5 | Residual Risk |
|---|---|---|---|---|---|

| Hazard category and examples | Where on this plant does this hazard exist? | Exposure during Operations Maintenance or Both? | Consequence | Likelihood | Risk Rating | Controls and Comments | Consequence | Likelihood | Risk Rating |
|---|---|---|---|---|---|---|---|---|---|
| **Crushing/ Draw in/ Nip points**<br>☐ Material falling or being ejected from working area<br>☒ Uncontrolled or unexpected movement<br>☒ Nip points<br>☐ Inability to slow, stop, or immobilise plant<br>☐ Isolation of energy sources<br>☐ In-running rollers/gear sets | Entire Plant | Both | B | 2 | Med | Ensure NO personnel are working under the raised hydraulics<br>Barricade work area and place appropriate warning signs | B | 1 | Low |
| | Entire Plant | Both | B | 2 | Med | Keep fingers, hands and other body parts away from nip points<br>Barricade and sign work area – no unauthorised personnel entry | B | 1 | Low |
| ☒ Plant tipping or rolling over<br>☐ Parts of plant closing or collapsing<br>☒ Trapping between plant and materials or fixed structures<br><br>☐ Failure resulting in loss of contents or load<br>☒ Falling objects<br>☐ Load falling/moving due to power loss or plant failure | Entire Plant | Operation | B | 2 | Med | Prior to operation, inspect the worksite and assess the ground conditions where the machine will operate.<br><br>Never 'tie off' the EWP to any fixed structure or plant or use it as an anchor point for attaching rope, wire, cable chain etc.<br>Never use the EWP to steady or pull any materials, structures or other objects.<br><br>Never use or elevate EWP in winds that exceed manufacturer's maximum wind rating.<br><br>Loads must not overhang the hand rails as this will alter the EWPs centre of gravity causing the machine to tip over.<br>If driving near edges of formations or drop offs, firstly assess that it is safe to do so and constantly scrutinise the ground conditions.<br><br>Remain within the confines of the platform when operating<br>Ensure sufficient clearance between the platform and any overhead or other obstructions. | B | 1 | Low |
| ☒ Inability to slow, stop or immobilise plant<br>☒Parts of plant closing or collapsing<br>☐ Other (please specify) | Platform | Operation | B | 2 | Med | Loose items to remain secure within confines of platform.<br>Barricade and sign work area – no unauthorised personnel entry | B | 1 | Low |
| | Entire Plant | Operation | B | 2 | Med | Operate at a speed appropriate for the ground conditions and do not exceed the maximum allowed incline as per page 10 of the manufacturers manual.<br>Ensure driving and steering is performed from the main platform not the extension platform<br>Ensure NO personnel are working under the raised hydraulics<br>Barricade work area and place appropriate warning signs | B | 1 | Low |

| Section 1 | Section 2 | Section 3 | Risk Rating | | | Section 5 | Residual Risk | | |
|---|---|---|---|---|---|---|---|---|---|
| **Hazard category and examples** | **Where on this plant does this hazard exist?** | **Exposure during Operations Maintenance or Both?** | **Consequence** | **Likelihood** | **Risk Rating** | **Controls and Comments** | **Consequence** | **Likelihood** | **Risk Rating** |
| **Friction**<br>☐ Contact with moving parts or surfaces<br>☐ Contact with moving material<br>☐ Isolation of energy sources<br>☐ Other (please specify) | X | | | | | | | | |
| **Striking / Impact**<br>☒ Immobilised plant does not slow or stop<br>☒ Collision with persons, traffic or other objects<br>☐ Moving objects due to parts or work pieces breaking (disintegrating)<br><br>☒ Unauthorised access and operation<br>☐ Other (please specify) | Entire Plant | Operation | B | 2 | Med | Clearly define the work area<br><br>Remove the machine's ignition key<br><br>Padlock the battery isolation switch (if fitted) | A | 1 | Low |
| **Pressure**<br>☐ Contact with fluids or gas under pressure as part of normal operation<br>☐ Contact with fluids or gas under pressure due to failure<br>☐ Contact with fluids or gas under pressure due to misuse<br>☐ Striking due to severed high pressure hoses/couplings<br>☐ Stored energy in machine systems/accumulators counterweights<br>☐ Isolation and bleeding of pressure energy sources<br>☐ Other (please specify) | X | | | | | | | | |

| Section 1 | Section 2 | Section 3 | Risk Rating | | | Section 5 | Residual Risk | | |
|---|---|---|---|---|---|---|---|---|---|
| **Hazard category and examples** | **Where on this plant does this hazard exist?** | **Exposure during Operations Maintenance or Both?** | **Consequence** | **Likelihood** | **Risk Rating** | **Controls and Comments** | **Consequence** | **Likelihood** | **Risk Rating** |
| **Slips/ Trips/ Falls**<br>☒ Uneven or slippery work or access surfaces entering or exiting the plant<br>☐ Housekeeping hazards produced by the plant<br>☒ Material ejected or falling from the plant<br>☐ Inadequate work platforms (size, location, fall protection)<br>☐ Access (ladders, stairs, walkways) to and from the plant<br>☒ Lack of guardrails or fall protection<br>☐ Collapse of the supporting structure<br>☒ Falls/thrown out of platform<br>☐ Other (please specify) | Access to platform | Both | B | 3 | High | Ensure deck is clean and in good condition<br><br>Avoid oil, grease and mud on workboots<br><br>Maintain a clean platform, clear of rubbish and tools<br><br>Maintain a good foot and hand hold when climbing in and out of the platform<br><br>Maintain 3 points of contact when climbing onto platform<br><br>Safety Harness to be used at all times when working in the EWP at any level. A site specific rescue plan must be in place to prevent suspension trauma in case of fall from platform. | B | 1 | Low |
| **Loss of Stability**<br>☒ Uneven or slippery work or access surfaces on the plant<br>☐ Housekeeping hazards produced by the plant<br>☐ Inadequate work platforms (size, location, fall protection)<br>☒ Access ladders from the plant<br>☐ Lack of guardrails or fall protection<br>☐ Other (please specify) | Access to platform | Both | B | 3 | High | Ensure deck is clean and in good condition<br><br>Avoid oil, grease and mud on workboots<br><br>Maintain a clean platform, clear of rubbish and tools<br><br>Maintain a good foot and hand hold when climbing in and out of the platform. Maintain 3 points of contact when climbing onto platform | B | 1 | Low |
| **Uncontrolled movement**<br>☒ Potential for unknown workers to operate plant whilst being serviced causing safety concerns<br>☐ Plant fails to respond to controls when needed<br>☒ Plant operated when “Out of Service”<br>☐ Other (please specify) | Main isolation switch | Both | B | 3 | High | Isolate controls to machine before doing any works.<br><br>Place “Out of Service” tag at main isolation switch (if fitted)<br><br>Record in lockout/tag out register.<br><br>Safety Harness to be used at all times when working in the EWP at any level. A site specific rescue plan must be in place to prevent suspension trauma in case of fall from platform. | B | 1 | Low |

| Section 1 | Section 2 | Section 3 | Risk Rating | | | Section 5 | Residual Risk | | |
|---|---|---|---|---|---|---|---|---|---|
| **Hazard category and examples** | **Where on this plant does this hazard exist?** | **Exposure during Operation Maintenance or Both?** | **Consequence** | **Likelihood** | **Risk Rating** | **Controls and Comments** | **Consequence** | **Likelihood** | **Risk Rating** |
| **Plant rolling over/ through limits**<br>☒ Tip over hazard.<br>☒ Correct qualifications of operator. | Entire Plant | Operation | C | 2 | High | Prior to operation, inspect the worksite and assess the ground conditions where the machine will operate.<br><br>Never 'tie off' the EWP to any fixed structure or plant or use it as an anchor point for attaching rope, wire, cable chain etc.<br>Never use the EWP to steady or pull any materials, structures or other objects.<br>Never use or elevate EWP in winds that exceed manufacturer's maximum wind rating.<br>Loads must not overhang the hand rails as this will alter the EWPs centre of gravity causing the machine to tip over.<br>If driving near edges of formations or drop offs, firstly assess that it is safe to do so and constantly scrutinise the ground conditions.<br>All operators to have a HRW licence for EWP. | B | 1 | Low |
| **Ejection of Parts**<br>☐ Contact with sharp parts<br>☐ Contact with flying parts or work pieces<br>☐ Parts or work pieces breaking (disintegrating)<br>☐ Work pieces ejected<br>☐ Movement of plant or components<br>☐ Other (please specify) | X | | | | | | | | |
| **Shearing**<br>☒ Body or body parts caught between moving components<br>☒ Isolation of energy sources<br>☐ Body or body parts shear when passing structure. | Entire Plant | Both | B | 2 | Med | Keep fingers, hands and body parts away from nip points<br>Barricade and sign work area - no unauthorised personnel to enter work zone<br>Remain within the confines of the platform when operating<br>Ensure sufficient clearance between the platform and any overhead or other obstructions<br>Keep clear of any obstructions that could interfere with the raising or lowering of the scissor and watch for overhead obstructions<br>Never overload the machine | B | 1 | Low |
| | Engine | Maintenance | B | 2 | Med | Ensure lockout of main isolation switch before works commence. | B | 1 | Low |

| Section 1 | Section 2 | Section 3 | Risk Rating | | | Section 5 | Residual Risk | | |
|---|---|---|---|---|---|---|---|---|---|
| **Hazard category and examples** | **Where on this plant does this hazard exist?** | **Exposure during Operations Maintenance or Both?** | **Consequence** | **Likelihood** | **Risk Rating** | **Controls and Comments** | **Consequence** | **Likelihood** | **Risk Rating** |
| **Electrical Hazards** | | | | | | | | | |
| **Electricity (Shock or burns) Contact**<br>☐ Contact via damaged or poorly maintained electrical leads and cables<br>☐ Overloading of electrical circuits<br>☐ Isolation of electrical energy sources<br>☒ Contact with or proximity to live electrical conductors<br>☒ Contact via damaged electrical control devices<br>☒ Contact via water entry<br>☒ Contact with live wires<br>☐ Other (please specify) | Electrical Cord | Maintenance | C | 2 | High | Maintain a mandatory minimum distance from powerlines<br>Insulate 'live' powerlines within the work area<br>Barricade the work area and provide appropriate signage<br>Always remember to 'Look up and Live' whilst elevating<br><br>Inspect cords and plugs for any damage before use<br>Do not pull cords around corners or sharp edges<br>Use with an RCD protected power supply<br>Do not allow extension cords to hang over the side of the machine<br>Never overload the electrical circuit and exceed the maximum allowable amperage.<br>Ensure all cords are correctly tagged and within date<br><br>Use weather proof equipment and fittings outside<br>When cleaning machine, do not used pressurised water near the control box or other electrical components<br><br>If the EWP does come into contact with live wires DO NOT touch the machine. Follow appropriate signage on the EWP regarding minimum distances from powerlines.<br><br>Keep bystanders away from the area and ensure the power to the electrical line is turned off before touching or trying to move the machine. | C | 1 | Med |
| **Fire Hazards** | | | | | | | | | |
| **Explosion / Fire**<br>☒ Ignition of flammable atmosphere initiated by the plant<br>☐ Ignition of flammable atmosphere initiated by material<br>☐ Ignition of flammable material by the plant<br>☐ Ignition of flammable material by the process<br>☒ Other (please specify) Explosion of battery | Battery | Both | C | 2 | High | Battery produces flammable gas – no smoking or ignition sources to be placed near battery.<br>When changing battery ensure tools do not contact positive battery post as sparks may ignite flammable gases. When disconnecting battery always disconnect negative cable first.<br>Always recharge batteries in well ventilated places where there is no risk of fire outbreaks and where suitable extinguishers are available.<br>When recharging, always open the plugs to vent off the gas that forms during the recharging operation. | C | 1 | Med |

| Section 1 | Section 2 | Section 3 | Risk Rating | | | Section 5 | Residual Risk | | |
|---|---|---|---|---|---|---|---|---|---|
| **Hazard category and examples** | **Where on this plant does this hazard exist?** | **Exposure during Operations Maintenance or Both?** | **Consequence** | **Likelihood** | **Risk Rating** | **Controls and Comments** | **Consequence** | **Likelihood** | **Risk Rating** |
| **Ergonomic Hazards** | | | | | | | | | |
| **Working environment and ergonomics**<br>☐ Inadequate lighting levels<br>☐ Glare from artificial light<br>☐ Glare from natural light<br>☐ Placement and identification of controls<br>☐ Seating design or seating location<br>☒ Human error or behaviour aspects (Human factors)<br>☐ Manual handling tasks associated with plant<br>☐ Cramped or restricted work spaces (particularly for maintenance<br>☐ Noise levels<br>☐ Vibration | Entire Plant | Both | B | 2 | Med | Only Competent worker with appropriate certificate to operate/maintain plant | B | 1 | Low |
| **Condition and suitability of plant**<br>☐ Age and condition<br>☒ Service and maintenance history<br>☐ Frequency of use (high or low use or inappropriate duty cycle)<br>☐ Not fit for purpose<br>☐ Unsuitable accessories/fittings<br>☐ Inability to apply isolation/lock out devices<br>☐ Accessories in unsafe condition<br>☐ Use in arduous environment<br>☒ Modification from original design<br>☐ Other (please specify) | Entire Crane | Both | B | 2 | Med | EWP to be serviced and maintained as per scheduled frequency. Ensure maintenance timeframes are adhered to as per manufacturer's requirements.<br><br>Possible modifications to original design could cause further hazards or reduce structural integrity. Any modifications must be approved by manufacturer. | B | 1 | Low |
| **Misc Hazards** | | | | | | | | | |
| **Environmental issues causes failure**<br>☐ Inclement weather causes issues<br>☐ Wind fowls cables and snags or breaks cable<br>☐ Water impairs operation | X | | | | | | | | |

| Section 1 | Section 2 | Section 3 | Risk Rating | | | Section 5 | Residual Risk | | |
|---|---|---|---|---|---|---|---|---|---|
| **Hazard category and examples** | **Where on this plant does this hazard exist?** | **Exposure during Operations Maintenance or Both?** | **Consequence** | **Likelihood** | **Risk Rating** | **Controls and Comments** | **Consequence** | **Likelihood** | **Risk Rating** |
| **Atmospheric contamination**<br>☒ Exhaust fumes<br>☐ Lack of oxygen<br>☐ Dust, fibres, vapours<br>☐ Thermally generated fumes<br>☒ Restricted spaces associated with the plant<br>☐ Other (please specify) | Engine | Both | B | 2 | Med | Air monitoring to be conducted and results recorded if used in enclosed areas<br><br>Industrial exhaust extraction fans to be installed. | B | 1 | Low |
| **Temperature extremes**<br>☐ Open flame, steam or heated air<br>☐ Exposure to high or low temperature extremes (thermal comfort)<br>☐ Contact with hot or cold plant components<br>☐ Contact with hot or cold material<br>☐ Other (please specify) | X | | | | | | | | |
| **Misc Hazards** | | | | | | | | | |
| **Missing or incorrectly positioned safety related systems**<br>☐ Guards missing<br>☒ Lack of signage<br>☒ Lack of communication systems<br>☐ Failure of emergency systems<br>☐ Other (please specify) | Crane area of works | Both | B | 2 | Med | Ensure area of works is clearly defined with signage or delineation as required.<br>Ensure communications between operator and dogman are established | B | 1 | Low |
| **Failure to ensure competent personnel operate plant**<br>☒ Lack of training<br>☐ lack of maintenance<br>☐ No signage on floors indicating location<br>☒ No communication systems functioning<br>☐ Out of Service requirements<br>☐ Shutdown<br>☐ Overloading<br>☐ Other (please specify) | Crane Operation | Operation | B | 2 | Med | Ensure ticketed competent operators only operate crane.<br>Ensure operators manual is communicated before works commence.<br>Ensure only certified dogman slings and controls loads. | B | 1 | Low |

| Section 1 | Section 2 | Section 3 | Risk Rating | | | Section 5 | Residual Risk | | |
|---|---|---|---|---|---|---|---|---|---|
| **Hazard category and examples** | **Where on this plant does this hazard exist?** | **Exposure during Operations Maintenance or Both?** | **Consequence** | **Likelihood** | **Risk Rating** | **Controls and Comments** | **Consequence** | **Likelihood** | **Risk Rating** |
| Persons could be injured or injure others when operating the machine without sufficient instruction, training and information | Entire Plant | Both | C | 3 | High | The operator must be trained in the safe operation of the plant. The Operator must hold an appropriately endorsed National Certificate of Competency. Training should be reviewed regularly and revision recorded. | B | 1 | Low |
| Persons could be injured if any of the machine limits or safety devices are disabled | Entire Plant | Both | B | 3 | High | Operator must check that all limits and safety devices are functioning correctly prior to commencing operations. Use pre-start checklist. | B | 1 | Low |
| Persons could be injured if the machine was set up under hazardous conditions | Entire Plant | Both | C | 2 | High | Operator to assess hazardous conditions prior to setting up and using EWP.<br>Job Safety Analysis is to be completed prior to new jobs by the operator. | A | 1 | Low |
| Persons could be injured if they could not receive immediate attention in an emergency situation. | Entire Plant | Both | C | 3 | High | Operator is not to work alone at any time must ensure that a reliable effective method of communication between the operator and ground personnel is in place.<br>Appropriate ground level (competent/trained) personnel are instructed how to operate the emergency lowering device from ground level. | B | 1 | Low |
| Persons could be injured if additional height reaching equipment (ladders, boxes etc.) are used to provide additional reach. | Entire Plant | Both | C | 3 | High | Operator is to ensure that the machine is positioned such that all work may be completed with occupant's feet on the platform floor.<br>No equipment such as ladders, or steps of any type are used. | B | 1 | Low |

## Delivery Risk Assessment

| Section 1 | Section 2 | Section 3 | Risk Rating | | | Section 5 | Residual Risk | | |
|---|---|---|---|---|---|---|---|---|---|
| **Hazard category and examples** | **Where on this plant does this hazard exist?** | **Exposure during Operations Maintenance or Both?** | **Consequence** | **Likelihood** | **Risk Rating** | **Controls and Comments** | **Consequence** | **Likelihood** | **Risk Rating** |
| **Crushing/Draw in /Nip Points**<br>☒ Uncontrolled or unexpected movement<br>☒ Nip points<br>☒ Plant tipping or rolling over<br>☒ Trapping between plant and materials or fixed structures<br>☒ Failure resulting in loss of contents or load<br>☐ Other (please specify) | Entire Plant | Both | B | 2 | Med | Ensure all parking and emergency brake systems are working correctly.<br>Competent operator to load and unload machine<br>Load and unload machine on level ground<br>Use minimum of 4 straps to tie down EWP for transport<br>Barricade and sign work area for unloading - no unauthorised personnel<br><br>Ensure machine safety labels are correctly positioned as per operators manual.<br>Keep fingers, hands and body parts away from nip points<br>When tying down, ensure hands are kept away from nip points<br><br>Driver to ensure that when driving corners are driven around safely. Driver to adhere to road rules | B | 1 | Low |
| **Striking / Impact**<br>☒ Immobilised plant does not slow or stop<br>☒ Collision with persons, traffic or other objects<br>☐ Moving objects due to parts or work pieces breaking (disintegrating)<br><br>☒ Unauthorised access and operation<br>☐ Other (please specify) | Entire Plant | Operation | B | 2 | Med | Ensure truck warning and indication systems are working correctly<br>Ensure drivers hold correct license and follow driver fatigue regulations<br><br>Operate at a speed appropriate for the ground conditions and do not exceed the maximum allowed incline as per page 10 of the manufacturers manual.<br>Remove the EWP's ignition key | A | 1 | Low |
| **Slips/ Trips/ Falls**<br>☒ Uneven or slippery work or access surfaces entering or exiting the plant<br>☐ Access (ladders, stairs, walkways) to and from the plant<br>☐ Other (please specify) | Access to platform | Both | B | 3 | High | Ensure deck is clean and in good condition<br>Avoid oil, grease and mud on workboots<br>Maintain a clean platform, clear of rubbish and tools<br><br>Maintain a good foot and hand hold when climbing in and out of the platform – maintain 3 points of contact and always climb up forwards and down backwards<br>Use access support handles to climb into and out of cabin.<br>Maintain 3 points of contact when climbing onto truck. Ensure boots are free from mud when climbing into cabin and always climb up forwards and down backwards | B | 1 | Low |

| Section 1 | Section 2 | Section 3 | Risk Rating | | | Section 5 | Residual Risk | | |
|---|---|---|---|---|---|---|---|---|---|
| **Hazard category and examples** | **Where on this plant does this hazard exist?** | **Exposure during Operations Maintenance or Both?** | **Consequence** | **Likelihood** | **Risk Rating** | **Controls and Comments** | **Consequence** | **Likelihood** | **Risk Rating** |
| **Uncontrolled movement**<br>☒ Potential for unknown workers to operate plant whilst being serviced causing safety concerns<br>☒ Plant operated when "Out of Service"<br>☐ Other (please specify) | Main isolation switch | Both | B | 3 | High | Remove key from plant during transport. To be maintained by driver<br><br>Isolate controls to machine before doing any works.<br>Place "Out of Service" tag at main isolation switch (if fitted)<br>Record in lockout/tag out register. | B | 1 | Low |
| **Fire Hazards - Explosion / Fire**<br>☒ Ignition of plant and or components<br>☒ Other (please specify) Explosion of battery | Entire Plant and vehicle | Both | C | 2 | High | Ensure fire extinguisher is located in truck cabin and is checked and working. NO smoking is permitted while loading or unloading machine<br><br>Battery produces flammable gas – no smoking or ignition sources to be placed near battery. | C | 1 | Med |
| **Working environment and ergonomics**<br>☒ Inadequate lighting levels<br>☒ Glare from artificial light<br>☒ Glare from natural light<br>☒ Weather conditions<br>☒ Human error or behaviour aspects (Human factors)<br>☒ Noise levels | Cabin and Exterior or truck<br><br>Access to cabin and tray | Both | B | 2 | Med | Ensure adequate lighting provided by using additional lighting where required<br><br>Ensure truck is fitted with sun visor and driver uses polarised safety glasses<br><br>Only competent operator to load and unload plant. Ensure all parts of truck are in safe working order and brakes, emergency brakes and emergency stops are regularly checked.<br><br>Hand signals to be used to load and unload plant in noisy environments<br><br>Steps to be fitted with non slip surface. No slip safety boots to be worn at all times | B | 1 | Low |
| **Temperature extremes**<br>☒ Contact with hot or cold plant components<br>☐ Other (please specify) | Engine parts | Both | B | 2 | Med | Maintain a safe distance from moving parts. Ensure that only those engine compartments required are open | B | 1 | Low |

☒ Wind speed exceeds recommended limit ☐ Other (please specify) _____

| | | | |
|---|---|---|---|
| ☒ Wind speed exceeds recommended limit | ☐ Other (please specify) _____ | Contact details: | |
| ☒ Wind speed exceeds recommended limit | ☐ Other (please specify) _____ | Contact details: | |

I have reviewed the Risk Assessment and have had the opportunity to comment and make changes as I thought necessary.

| Name: | Position description: | Signature: | Date: | Company: |
|---|---|---|---|---|
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

**Additional controls:**
*For each additional control, identify appropriate corrective actions, including priority, timeframes and responsibilities, communicate the requirements to the person responsible and then input the information into the Corrective Action Register.*