

RISK ASSESSMENT OF PLANT.

SELF PROPELLED ARTICULATING BOOM TYPE E.W.P.

PLANT TYPE
BLUELIFT – ZEUS 18.93

POWER SOURCE
PETROL

MAXIMUM PLATFORM HEIGHT – 15.70 METRES
MAXIMUM PLATFORM REACH - 9.20 METRES
MAXIMUM RATED CAPACITY - 230Kg.

PREPARED
FOR
ASPAC GROUP.

RISK ASSESSMENT OF PLANT.

PAGE NO. 1. PLANT DESCRIPTION *Self Propelled Articulating Boom Type E.W.P.* POWER SOURCE. *Petrol* ORGANISATION *ASPAC Group*
DATE OF ASSESSMENT *05.02.2014* MODEL. *Zeus 18.93.*
ASSESSMENT CONDUCTED BY *All Crane & Hoist Consulting & Inspection Services.* RISK ASSESSMENT METHOD USED *Visual Inspection.* ADDRESS. *3/84 Hallam South Road Hallam. Vic 3803*

No.	Hazard Identified (Describe the situation or parts of plant which could rise to injury or illness).	Is there any risk?		Describe additional control measures to be implemented.	Are the risk control measures practicable.	
		<u>Yes.</u>	<u>No.</u> (Describe the control measures already implemented to address the hazard).		<u>Yes.</u>	<u>No</u>
	<i>Persons could be injured or injure others when operating the machine without sufficient instruction, training and information.</i>	<i>Yes</i>	<i>The manufacturer has provided an operators manual which should be retained in the storage container located on the platform..</i>	<i>Having obtained all the relevant information regarding the machine and its functions management should ensure that the machine . operator is thoroughly trained in its safe operation. The operator must hold an appropriately endorsed National Certificate of Competency. Training should be reviewed regularly and revision recorded.</i>	<i>Yes</i>	<i>Yes</i>
	<i>Persons could be injured if a machine that has a "DANGER DO NOT USE" tag is operated.</i>	<i>Yes</i>	<i>The manufacturer prohibits such use.</i>	<i>A "DANGER DO NOT USE" sign should be attached to the machine. by an authorised person, signed and dated. Management should ensure that the operator is instructed that while such tags are attached to the machine it must not be used until the tag is removed by a suitably qualified person.</i>	<i>Yes</i>	<i>Yes</i>
	<i>Persons could be injured if a machine that is known to be faulty is operated and left in service.</i>	<i>Yes</i>	<i>The manufacturer has provided a service manual.</i>	<i>A "DANGER DO NOT USE" sign should be attached to the machine. by an authorised person, signed and dated. Management should ensure that the operator is instructed that while such tags are attached to the machine it must not be used until the tag is removed by a suitably qualified person.</i>	<i>Yes</i>	<i>Yes</i>
	<i>Persons could be injured if a poor system of work in relation to the operation of this machine is being followed.</i>	<i>Yes</i>	<i>.</i>	<i>Management should ensure that a system of work based on the E.W.P. manufacturers operating instructions is prepared and adhered to at all times by the operator..</i>	<i>Yes</i>	

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No.	Hazard Identified (Describe the situation or parts of plant which could rise to injury or illness).	Is there any risk?		Where there is a risk, describe the proposed risk control measure.	Are the risk control measures practicable.	
		<u>Yes.</u>	<u>No.</u> (Describe the control measures already implemented to address the hazard).		<u>Yes.</u>	<u>No</u>
	<i>Persons could be injured if the operator performs duties that are not his/her responsibility and beyond the scope of his/her technical capabilities.</i>	<i>Yes</i>		<i>Management should ensure that the operator is instructed not to carry out any work that is outside his/her normal duties and report any matter of concern to his/her supervisor.</i>	<i>Yes</i>	
	<i>Persons could be injured if a machine is operating in a manner other than for which it was intended and designed by the manufacturer.</i>	<i>Yes</i>	<i>The manufacturer has provided an operators instruction manual. This manual prohibits such operation.</i>	<i>Management should ensure that the operator is instructed to cease operating a malfunctioning machine and attach a "DANGER DO NOT USE" tag. Record the matter in the maintenance/log book.</i>	<i>Yes</i>	<i>Yes</i>
	<i>Persons could be injured if the machine tipped due to excessive winds.</i>	<i>Yes</i>	<i>The manufacturer has designed the machine to withstand winds up to 12.5m/s as stated on the specification plate.</i>	<i>Management should ensure that the operator is instructed not to elevate the platform in winds or draft prone areas where the wind may exceed 12.5m/s (45k.p.h).</i>	<i>Yes</i>	<i>Yes</i>
	<i>Persons could be injured if the E.W.P was subjected to structural, mechanical or corrosive damage and it was not noticed..</i>	<i>Yes</i>	<i>The manufacturer and the Australian Standard have set a routine of periodical checks that the operator must complete prior to use.</i>	<i>Management should ensure that the operator is instructed to carry out daily, weekly and monthly checks upon the machine as required. The results should be recorded in the maintenance/log book.</i>	<i>Yes</i>	<i>Yes</i>

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		<u>Yes.</u>	<u>No.</u> (Describe the control measures already implemented to address the hazard).		<u>Yes.</u>	<u>No</u>
	<i>Persons could be injured if a machine was permitted to fall into disrepair due to age and general stress.</i>	<i>Yes</i>	<i>A maintenance book has been provided.</i>	<i>A maintenance /log book should have regular entries made within. Management should ensure that the operator is advised that the machine must be regularly inspected, serviced and maintained. At the end of each ten years of operation and each five years thereafter the machine must be thoroughly inspected and maintained in accordance with the requirements of Australian Standard AS1418-10 2011.</i>	<i>Yes</i>	<i>Yes</i>
	<i>Persons could be injured if the control console and the instruction signs and warning decals are damaged in a hostile environment.</i>	<i>Yes</i>		<i>Management should ensure that the operator is instructed to cover and protect the control signs and warning decals if the machine is left out in the weather or in a hostile environment.</i>	<i>Yes</i>	
	<i>Persons could be injured by the collapse of the boom type E.W.P if it is in poor condition.</i>	<i>Yes</i>		<i>Management should ensure that the operator is instructed to check the E.W.P. daily before use and to report any faults to the supervisor immediately. Records must be kept in the maintenance/log book.</i>	<i>Yes</i>	
	<i>Persons could be injured if the machine has not been checked and tested in accordance with the Australian Standards checklist prior to the start of each shift.</i>	<i>Yes</i>		<i>Management should ensure that the operator or a competent person is instructed to check and test the elevated work platform in accordance with the Australian Standards checklist and record the findings in the elevated work platforms maintenance/log book.</i>	<i>Yes</i>	

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		<u>Yes.</u>	<u>No.</u> (Describe the control measures already implemented to address the hazard).		<u>Yes.</u>	<u>No</u>
	<i>Persons could be injured if the safe operation of the machine was not confirmed to be in accordance with the requirements of the Statutory authority by testing.</i>	<i>Yes</i>	<i>A compliance plate stating that testing has been carried out to the requirements of AS 1418.10 2011 has been permanently fixed to the machine</i>	<i>A compliance plate showing that testing has been carried out to the requirements of AS 1418.10 2011 should be permanently fixed to the machine. Management should ensure that the operator is advised to ensure that this plate remains on the machine and is kept clean and legible.</i>	<i>Yes</i>	
	<i>Persons could be injured if the E.W.P. has been modified from its original design.</i>	<i>Yes</i>		<i>Management should ensure that the operator is instructed that any modification to the E.W.P. should be approved by the manufacturer or some other suitably qualified engineer and that all relevant design information/computations should be retained and be available upon request to the appropriate Regulating Authority.</i>	<i>Yes</i>	
	<i>Persons could be injured if the machine did not comply with the appropriate Australian Standards for its safe operation.</i>	<i>Yes</i>	<i>The machine has been satisfactorily tested for compliance with Australian Standard AS1418.10.2011 A compliance plate stating that testing has been carried out to the requirements of AS1418.10 2011 has been permanently fixed to the machine.</i>	<i>Management should ensure that the operator is advised to ensure that this plate remains on the machine and is kept clean and legible.</i>	<i>Yes</i> <i>Yes</i>	
	<i>Persons could be injured by the E.W.P. operating in a poor condition as the result of general wear and tear on components.</i>	<i>Yes</i>	<i>The manufacturer has provided a spare parts manual.</i>	<i>Management should ensure that the operator is instructed to ensure that the machine is checked for faults prior to commencing work each day and if they are serious, report them immediately otherwise record them in the maintenance/log book.</i>	<i>Yes</i> <i>Yes</i>	

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		<u>Yes.</u>	<u>No.</u> (Describe the control measures already implemented to address the hazard).		<u>Yes.</u>	<u>No</u>
	<i>Persons could be injured if the E.W.P. fails or collapses.</i>	<i>Yes</i>	<i>The E.W.P. has been designed in accordance with several recognised published technical standards including Australian Standard AS 1418.10 2011. A specification plate on the machine confirms this information.</i>		<i>Yes</i>	
	<i>Persons could be injured if the operator is experiencing difficulties in the safe use and limitations of the E.W.P.</i>	<i>Yes</i>	<i>The manufacturer has provided an emergency stop button on the control panel mounted on the basket and on the chassis adjacent to the slew ring.</i>	<i>Management should ensure that the operator is instructed to check that the emergency stop buttons are operational and is clear and accessible at all times.</i>	<i>Yes</i>	<i>Yes</i>
	<i>Persons could be injured if the E.W.P. unit collapses due the failure of the pedestal bearings.</i>	<i>Yes</i>	<i>The manufacturer has provided bearings with the appropriate F.O.S. as required by the design standard.</i>		<i>Yes</i>	
	<i>Persons could be injured if the hydraulic ram connecting pins failed.</i>	<i>Yes</i>	<i>The manufacturer has provided pins with the appropriate factor of safety as required by the design code.</i>	<i>Management should ensure that the operator is instructed to visually check the connecting pins prior to commencing work.</i>	<i>Yes</i>	<i>Yes</i>
	<i>Persons could be injured if a faulty boom connecting pin allowed the unit to fail.</i>	<i>Yes</i>	<i>The manufacturer has provided pins with the appropriate factor of safety as required by the design code.</i>	<i>Management should ensure that the operator is instructed to visually check the connecting pins prior to commencing work.</i>	<i>Yes</i>	<i>Yes</i>

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		<u>Yes.</u>	<u>No.</u> (Describe the control measures already implemented to address the hazard).		<u>Yes.</u>	<u>No.</u>
	<i>Persons could be injured if the operator of the machine is unfamiliar with the working environment.</i>	Yes		<i>Management should ensure that the operator is instructed to inspect the area where the machine is intended to be operated prior to commencing work. Ensure that the floor is free of holes or drops. Establish if there are any specific local site requirements.</i>	Yes	
	<i>Persons could be injured if the machine operator is unfamiliar with that is unsafe conditions and hazards that could affect the safe operation of the unit.</i>	Yes		<i>Management should ensure that the operator is trained in determining unsafe conditions and hazards that are relative to the machines safe operation.</i>	Yes	
	<i>Persons could be injured if the controls cease to function properly.</i>	Yes	<i>The manufacturer has provided safety features which prevent a malfunctioning machine from being operated. Regular maintenance checks should be carried out as per the manufacturers instructions.</i>	<i>Management should ensure that the operator is instructed to carry out function tests prior to commencing operations. A maintenance/log book should be provided and all results should be recorded there-in.</i>	Yes	
	<i>Persons could be injured if the operator inadvertently operated a control device (button, lever or pedal) in error.</i>	Yes	<i>The manufacturer has designed the controls in such a manner as to prevent inadvertent operation.</i>	<i>Management should ensure that the operator is instructed to take care at all times while selecting and operating the control system.</i>	Yes	

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No.	Hazard Identified (Describe the situation or parts of plant which could rise to injury or illness).	Is there any risk?		Where there is a risk, describe the proposed risk control measure.	Are the risk control measures practicable.	
		<u>Yes.</u>	<u>No.</u> (Describe the control measures already implemented to address the hazard).		<u>Yes.</u>	<u>No</u>
	<i>Persons could be injured if the operator could not stop the machine in an emergency.</i>	<i>Yes</i>	<i>The manufacturer has provided an emergency stop button on the control panel .</i>	<i>Management should ensure that the operator is instructed to check that the emergency stop button is operational and is clear and accessible at all times. Details of his/her inspection should be noted in the maintenance/log book.</i>	<i>Yes</i>	<i>Yes</i>
	<i>Persons could be injured if the operator could not stop the machine in an emergency due to the failure of the upper control panel emergency stop button to function.</i>	<i>Yes</i>	<i>The manufacturer has provided a second emergency stop button on the chassis adjacent to the slew ring.</i>	<i>Management should ensure that the operator is instructed that in an emergency to call a person or persons nearby and require them to knock the emergency stop button at the chassis level should the machines operation fail to respond to the upper button.</i>	<i>Yes</i>	<i>Yes</i>
	<i>Persons could be injured if the operator does not understand the instruction and warning plates and decals mounted on the machine.</i>	<i>Yes</i>	<i>The manufacturer has provided appropriate warning notices and decals on the machine.</i>	<i>Management should ensure that the operator is instructed to ensure that all instructions, warning plates and decals are clearly legible in English.</i>	<i>Yes</i>	<i>Yes</i>
	<i>Persons could be injured if they could not receive immediate attention in an emergency.</i>	<i>Yes</i>		<i>Management must ensure that the operator is instructed not to work alone at any time.</i>	<i>Yes</i>	
	<i>Persons could be injured if the warning and instruction signs on the basket are illegible.</i>	<i>Yes</i>		<i>Management should ensure that the operator is instructed to check to ensure that all basket signs are clean and legible at all times.</i>	<i>Yes</i>	<i>Yes</i>

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No.	Hazard Identified (Describe the situation or parts of plant which could rise to injury or illness).	Is there any risk?		Where there is a risk, describe the proposed risk control measure.	Are the risk control measures practicable.	
		<u>Yes.</u>	<u>No.</u> (Describe the control measures already implemented to address the hazard).		<u>Yes.</u>	<u>No</u>
	Persons could be injured if the control devices could remain in the "on" position.	Yes	The manufacturer has provided "automatic return to neutral" upon release controls with the exception of the emergency stop buttons.	Management should ensure that the operator is instructed in the use of the controls	Yes	Yes
	Persons could be injured if the controls of the E.W.P. were jammed, taped or fixed in position.	Yes		Management should ensure that the operator is instructed to check the controls prior to commencing work and if they are stuck or do not move freely. Report the matter to a supervisor. Record the findings of the inspection in the maintenance/log book.	Yes	
	Persons could be injured if the controls were interfered with by adjacent obstacles.	Yes	The manufacturer has provided suitable protection about the controls.	Management should ensure that the operator is instructed to take extreme caution regarding the clearances of items about the controls at all times.	Yes	Yes
	Persons could be injured if the engine is started while a control device is engaged.	Yes	The manufacturer specifies in the operators manual that all controls must be in the neutral position prior to starting the engine.	Management should ensure that the operator is instructed not to start the engine until he/she has checked to see that all levers and switches are in neutral or the "off" position.	Yes	
	Persons could be injured if they were unable to return to ground level by the normal method of operating the machine.	Yes	Emergency lowering devices have been provided by the manufacturer. The devices have been clearly identified by the manufacturer and their operation outlined in the operators manual.	Management should ensure that the operator is instructed regarding the operation of the emergency lowering devices and their locations.	Yes	Yes
	Persons could be injured if the basket is not maintained in a level position during raising and lowering operations.	Yes	The manufacturer has provided a self leveling device for the basket.	Management should ensure that the operator is instructed to be aware that the basket should be level at all times.	Yes	Yes

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		<u>Yes.</u>	<u>No.</u> (Describe the control measures already implemented to address the hazard).		<u>Yes.</u>	<u>No</u>
	<i>Persons could be injured if the operator applies the controls in an abrupt manner.</i>	<i>Yes</i>		<i>Management should ensure that the operator is instructed to use the controls slowly and gently.</i>	<i>Yes</i>	
	<i>Persons could be injured if the basket was lowered uncontrolled and speedily.</i>	<i>Yes</i>		<i>Management should ensure that the operator is trained in the correct procedures for raising and lowering the basket. He/she should exercise caution at all times.</i>	<i>Yes</i>	
	<i>Persons could be injured if they were not aware that the basket was being lowered.</i>	<i>Yes</i>		<i>Management should ensure that the operator is instructed to check the area below the machine before lowering the platform.</i>	<i>Yes</i> <i>Yes</i>	
	<i>Persons could be injured if any of the boom basket limits or safety devices are disabled.</i>	<i>Yes</i>	<i>The manufacturer has provided within the operator's manual a series of functional tests that should be carried out to confirm the safe operation of the unit.</i>	<i>Management should ensure that the operator is instructed to check that all limits and safety devices are functioning correctly prior to commencing operation. The results of the inspection should be recorded in the maintenance/log book.</i>	<i>Yes</i> <i>Yes</i>	
	<i>Persons could be injured if the basket is used to exceed its nominated safe working load in either of its "work selected" ranges .</i>	<i>Yes</i>	<i>The manufacturer has provided an indicator light (red) on the control console which illuminates when the M.R.C. (maximum rated capacity). is exceeded. When the light is illuminated it is accompanied by an intermittent alarm.</i>	<i>Management should ensure that the operator is instructed to ensure that the M.R.C. of the elevated work platform is not exceeded. The weight of all people, tools and materials must be considered at all times. The operator should monitor the indicator light before proceeding with operations.</i>	<i>Yes</i> <i>Yes</i>	

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		<u>Yes.</u>	<u>No.</u> (Describe the control measures already implemented to address the hazard).		<u>Yes.</u>	<u>No</u>
	<i>Persons could be injured if the M.R.C. (maximum rated capacity). of the platform is not known and is exceeded.</i>	<i>Yes</i>	<i>The capacity of the elevating work platform has been determined and a M.R.C. sign for each work zone has been attached by the manufacturer. The manufacturer has provided a pressure relief within the hydraulic system. The manufacturer has provided an indicator light and alarm which activates if the load is exceeded.</i>		<i>Yes</i>	
	<i>Persons could be injured if the operator ignores the M.R.C. (maximum rated capacity). sign on the boom platform and its capacity is exceeded.</i>	<i>Yes</i>	<i>The capacity of the elevating work platform has been determined and a M.R.C.. sign for each work zone has been attached by the manufacturer. The manufacturer has provided a pressure relief within the hydraulic system. The manufacturer has provided an indicator light and alarm which activates if the load is exceeded.</i>	<i>Management should ensure that the operator is instructed not to exceed the M.R.C.. in the work zone in which it is being operated. The weight of all people, tools and materials must be taken into consideration at all times.</i>	<i>Yes</i>	<i>Yes</i>
	<i>Persons could be injured if the number of persons on the platform exceed the manufacturers recommendations.</i>	<i>Yes</i>	<i>The manufacturer has specified a maximum of two persons only are allowed within the platform while working.</i>	<i>Management should ensure that the operator is instructed to ensure that the manufacturers recommendation is adhered to and that the load ratings are followed at all times.</i>	<i>Yes</i>	<i>Yes</i>

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		<u>Yes.</u>	<u>No.</u> (Describe the control measures already implemented to address the hazard).		<u>Yes.</u>	<u>No</u>
	<i>Persons could be injured if the working range of motion of the E.W.P. is exceeded.</i>	<i>Yes</i>	<i>The manufacturer has designed the machine in such a manner that its working range cannot be exceeded while it is carrying its rated capacity</i>	<i>Management should ensure that the operator is instructed to ensure that the M.R.C (maximum rated capacity). of the machine is not exceeded</i>	<i>Yes</i>	<i>Yes</i>
	<i>Persons could be injured if the boom was elevated and the stabilizers were not set up correctly.</i>	<i>Yes</i>	<i>The manufacturer has provided auto levelling stabilizers.</i>	<i>Management should ensure that the operator is instructed to check to confirm the stabilizer set up prior to elevating the boom.</i>	<i>Yes</i>	<i>Yes</i>
	<i>Persons could be injured if the stabilizers are not set correctly and the base unit is not level.</i>	<i>Yes</i>	<i>The manufacturer has provided an indicator lamp on the console which illuminates only when the stabilizers are correctly set. The manufacturer has provided a bubble level on the chassis. The base must be level within 1°.</i>	<i>Management should ensure that the operator is instructed to ensure that the indicator light remains illuminated prior to elevating the boom and that the chassis is level is within 1°.</i>	<i>Yes</i>	<i>Yes</i>
	<i>Persons could be injured if the stabilizers are not set up.</i>	<i>Yes</i>	<i>The manufacturer prohibits the use of the unit unless the stabilizers are all correctly set up. The manufacturer has provided a system which prevents the platform from operating unless the stabilizers are correctly set up.</i>		<i>Yes</i>	
	<i>Persons could be injured if the E.W.P. tipped over as the result of being set up on a sloping surface.</i>	<i>Yes</i>	<i>The manufacturer specifies in the operators manual the maximum surface slope that the machine can be set up and stabilized must not exceed 1°.</i>	<i>Management should ensure that the operator is instructed to check that the surface slope does not exceed the manufacturers nomination before setting up the stabilizers.</i>	<i>Yes</i>	<i>Yes</i>

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DATE OF ASSESSMENT *05.02.2014* **MODEL.** *Zeus 18.93.*
ASSESSMENT CONDUCTED BY *All Crane & Hoist Consulting & Inspection Services.* **RISK ASSESSMENT METHOD USED** *Visual Inspection.* **ADDRESS.** *3/84 Hallam South Road Hallam. Vic 3803*

No.	Hazard Identified (Describe the situation or parts of plant which could rise to injury or illness).	Is there any risk?		Where there is a risk, describe the proposed risk control measure.	Are the risk control measures practicable.	
		<u>Yes.</u>	<u>No.</u> (Describe the control measures already implemented to address the hazard).		<u>Yes.</u>	<u>No</u>
	<i>Persons could be injured if the unit is not set up within the manufacturers level tolerances.</i>	<i>Yes</i>	<i>The manufacturer has provided a bubble level on the base and cut out micro switches which stop all operations if the slope exceeds 1° out of level.</i>	<i>Management should ensure that the operator is instructed to ensure that the E.W.P. is level prior to commencing operations.</i>	<i>Yes</i>	
	<i>Persons could be injured if the E.W.P. is operated while on a mobile surface or a vehicle.</i>	<i>Yes</i>		<i>Management should ensure that the operator is instructed that the E.W.P. must only be operated on a firm solid level surface with the stabilizers correctly set up.</i>	<i>Yes</i>	
	<i>Persons could be injured if the stabilizers pierced the ground causing the E.W.P. to tip.</i>	<i>Yes</i>	<i>The manufacturer has provided foot pads attached to the bottom of the outriggers.</i>		<i>Yes</i>	
	<i>Persons could be injured if the E.W.P. tipped due to the inadequacy of the stabilizer foot pads.</i>	<i>Yes</i>	<i>The manufacturer has provided foot pads on the stabilizers.</i>	<i>Management should ensure that the operator is instructed to inspect the ground where the stabilizers are to be set in place. Where necessary place adequate timbers, dunnage or steel plates beneath the stabilizer floats in order to distribute the E.W.P. load. If in doubt seek the advice of a supervisor or an engineer.</i>	<i>Yes</i>	<i>Yes</i>
	<i>Persons could be injured if the E.W.P. tipped due to the stabilizers being set up on a soft surface.</i>	<i>Yes</i>	<i>The manufacturer specifies in the operators manual the maximum ground pressure for each stabilizer.</i>	<i>Management should ensure that the operator is instructed to inspect the ground where the stabilizers are to be set in place. Where necessary place adequate timbers, dunnage or steel plates beneath the stabilizer floats in order to distribute the E.W.P. load. If in doubt seek the advice of a supervisor or an engineer.</i>	<i>Yes</i>	<i>Yes</i>

RISK ASSESSMENT OF PLANT.

PAGE NO 14. **PLANT DESCRIPTION** *Self Propelled Articulating Boom Type E.W.P.* **POWER SOURCE.** *Petrol* **ORGANISATION** *ASPAC Group*
DATE OF ASSESSMENT *05.02.2014* **MODEL.** *Zeus 18.93.*
ASSESSMENT CONDUCTED BY *All Crane & Hoist Consulting & Inspection Services.* **RISK ASSESSMENT METHOD USED** *Visual Inspection.* **ADDRESS.** *3/84 Hallam South Road Hallam. Vic 3803*

No.	Hazard Identified (Describe the situation or parts of plant which could rise to injury or illness).	Is there any risk?		Where there is a risk, describe the proposed risk control measure.	Are the risk control measures practicable.	
		<u>Yes.</u>	<u>No.</u> (Describe the control measures already implemented to address the hazard).		<u>Yes.</u>	<u>No</u>
	<i>Persons could be injured if the E.W.P. tipped due to the supporting structure beneath the stabilizers being incapable of withstanding the loads imposed by the E.W.P. e.g. suspended concrete slab or wharf.</i>	<i>Yes</i>	<i>The manufacturer specifies in the operators manual the maximum ground pressure for each stabilizer.</i>	<i>Management should ensure that the operator is instructed that prior to setting up the E.W.P. upon a structure or a surface about which its supporting adequacy has not been properly confirmed he/she must consult his/her supervisor or a competent engineer.</i>	<i>Yes</i>	
	<i>Persons could be injured if the tipped due to the roadway, footpath or kerbing collapsing beneath the stabilizer.</i>	<i>Yes</i>		<i>Management should ensure that the operator is instructed to inspect the ground where the stabilizers are to be set in place. Where necessary place adequate timbers, dunnage or steel plates beneath the stabilizer floats in order to distribute the E.W.P. load. If in doubt seek the advice of a supervisor or an engineer.</i>	<i>Yes</i>	
	<i>Persons could be injured if the E.W.P. tipped due to the stabilizers being set near a shoulder in the road, and excavation or upon landfill.</i>	<i>Yes</i>		<i>Management should ensure that the operator in instructed to inspect the ground where the stabilizers are to be set in place. Where necessary place adequate timbers, dunnage or steel plates beneath the stabilizer floats in order to distribute the E.W.P. load. If in doubt seek the advice of a supervisor or an engineer.</i>	<i>Yes</i>	
	<i>Persons could be injured if the E.W.P. tipped due to the stabilizers being set upon road paving that had the soil beneath eroded away by water leaving a void.</i>	<i>Yes</i>		<i>Management should ensure that the operator is instructed to inspect the ground where the stabilizers are to be set in place. Where necessary place adequate timbers, dunnage or steel plates beneath the stabilizer floats in order to distribute the E.W.P. load. If in doubt seek the advice of a supervisor or an engineer who should investigate the matter and if necessary should consult with the local municipal authorities.</i>	<i>Yes</i>	

RISK ASSESSMENT OF PLANT.

PAGE NO 15. **PLANT DESCRIPTION** *Self Propelled Articulating Boom Type E.W.P.* **POWER SOURCE.** *Petrol* **ORGANISATION** *ASPAC Group*
DATE OF ASSESSMENT *05.02.2014* **MODEL.** *Zeus 18.93.*
ASSESSMENT CONDUCTED BY *All Crane & Hoist Consulting & Inspection Services.* **RISK ASSESSMENT METHOD USED** *Visual Inspection.* **ADDRESS.** *3/84 Hallam South Road Hallam. Vic 3803*

No.	Hazard Identified (Describe the situation or parts of plant which could rise to injury or illness).	Is there any risk?		Where there is a risk, describe the proposed risk control measure.	Are the risk control measures practicable.	
		<u>Yes.</u>	<u>No.</u> (Describe the control measures already implemented to address the hazard).		<u>Yes.</u>	<u>No</u>
	<i>Persons could be injured if the E.W.P. damaged underground hazards such as gas, electricity, water or other buried objects.</i>	<i>Yes</i>		<i>Management should ensure that the operator is instructed to inspect the ground where the stabilizers are to be set in place. Where necessary place adequate timbers, dunnage or steel plates beneath the outrigger floats in order to distribute the E.W.P. load. If in doubt seek the advice of a supervisor or an engineer who should investigate the matter and if necessary should consult with the local municipal authorities.</i>	<i>Yes</i>	
	<i>Persons could be injured if the E.W.P. tipped due to stabilizers being set up incorrectly and the E.W.P. not being level.</i>	<i>Yes</i>	<i>The E.W.P. manufacturer has provided a bubble level on the chassis and an auto levelling device.</i>	<i>Management should ensure that the operator is instructed not to commence operating the E.W.P. unless it is set up level and the stabilizers are correctly set up.</i>	<i>Yes</i>	<i>Yes</i>
	<i>Persons could be injured if the E.W.P. tipped due to the stabilizers being poorly set up on uneven ground.</i>	<i>Yes</i>	<i>The manufacturer specifies within the operators manual that the maximum ground slope does not exceed 1°. prior to set up and levelling.</i>	<i>Management should ensure that the operator is instructed to inspect the ground where the stabilizers are to be set in place. It may be necessary to prepare a level surface by means of digging. Adequate timbers, dunnage or steel plates may then be put beneath the stabilizer float in order to distribute the E.W.P. loads. If in doubt seek the advice of a supervisor or competent engineer.</i>	<i>Yes</i>	<i>Yes</i>
	<i>Persons could be injured if the E.W.P. tipped due to the stabilizers inadvertently moving to an incorrect position.</i>	<i>Yes</i>	<i>The E.W.P. hydraulic circuit should retain the stabilizers in their position.</i>	<i>Management should ensure that the operator is instructed to ensure that the stabilizers are set in their correct position and remain in this position while work is being carried out.</i>	<i>Yes</i>	<i>Yes</i>

RISK ASSESSMENT OF PLANT.

PAGE NO 16. **PLANT DESCRIPTION** *Self Propelled Articulating Boom Type E.W.P.* **POWER SOURCE.** *Petrol* **ORGANISATION** *ASPAC Group*
DATE OF ASSESSMENT *05.02.2014* **MODEL.** *Zeus 18.93.*
ASSESSMENT CONDUCTED BY *All Crane & Hoist Consulting & Inspection Services.* **RISK ASSESSMENT METHOD USED** *Visual Inspection.* **ADDRESS.** *3/84 Hallam South Road Hallam. Vic 3803*

No.	Hazard Identified (Describe the situation or parts of plant which could rise to injury or illness).	Is there any risk?		Where there is a risk, describe the proposed risk control measure.	Are the risk control measures practicable.	
		<u>Yes.</u>	<u>No.</u> (Describe the control measures already implemented to address the hazard).		<u>Yes.</u>	<u>No</u>
	<i>Persons could be injured while the stabilizers are being set in place if the operator selects the wrong switch/lever.</i>	<i>Yes</i>	<i>The E.W.P. manufacturer has clearly identified all control switches/levers and provided a proper E.W.P. manual.</i>	<i>Management should ensure that the operator is instructed to familiarise him/herself with the control switches/levers and the E.W.P. manual and also ensure that no persons are near the E.W.P. while the stabilizers are being set up.</i>	<i>Yes</i>	<i>Yes</i>
	<i>Persons could be injured while the stabilizers are being set in place if the operator moves a switch/lever in the wrong direction.</i>	<i>Yes</i>	<i>The E.W.P. manufacturer has clearly identified the direction of the control switches/levers and provided a proper E.W.P. manual.</i>	<i>Management should ensure that the operator is instructed to familiarise him/herself with the control switches/levers and the E.W.P. operator's manual and also ensure that no persons are near the E.W.P. while the stabilizers are being set up.</i>	<i>Yes</i>	<i>Yes</i>
	<i>Persons could be injured if a stabilizer failed to stop movement when the operator released the control lever.</i>	<i>Yes</i>	<i>The E.W.P. maker has designed the control levers to self centre/return to the neutral position upon manual release.</i>	<i>Management should ensure that the operator is instructed to refer the matter to a mechanic if the control lever fails to return to the neutral position upon manual release and make an entry in the maintenance/log book.</i>	<i>Yes</i>	<i>Yes</i>
	<i>Persons could be injured if a stabilizer was not fully raised prior to the E.W.P. being moved to another location.</i>	<i>Yes</i>		<i>Management should ensure that the operator is instructed to ensure that all stabilizers are fully raised prior to moving the E.W.P.</i>	<i>Yes</i>	

RISK ASSESSMENT OF PLANT.

PAGE NO 17. **PLANT DESCRIPTION** *Self Propelled Articulating Boom Type E.W.P.* **POWER SOURCE.** *Petrol* **ORGANISATION** *ASPAC Group*
DATE OF ASSESSMENT *05.02.2014* **MODEL.** *Zeus 18.93.*
ASSESSMENT CONDUCTED BY *All Crane & Hoist Consulting & Inspection Services.* **RISK ASSESSMENT METHOD USED** *Visual Inspection.* **ADDRESS.** *3/84 Hallam South Road Hallam. Vic 3803*

No.	Hazard Identified (Describe the situation or parts of plant which could rise to injury or illness).	Is there any risk?		Where there is a risk, describe the proposed risk control measure.	Are the risk control measures practicable.	
		<u>Yes.</u>	<u>No.</u> (Describe the control measures already implemented to address the hazard).		<u>Yes.</u>	<u>No</u>
	<i>Persons could be injured if a stabilizer float is not in complete contact with the supporting surface.</i>	<i>Yes</i>	<i>The manufacturer has provided auto levelling stabilizers</i>	<i>Management should ensure that the operator is instructed to ensure that all stabilizer floats are in complete contact with the supporting surface at all times while the E.W.P. is being used..</i>	<i>Yes</i>	<i>Yes</i>
	<i>Persons could be injured if the stabilizer floats were fixed to the supporting surface.</i>	<i>Yes</i>		<i>Management should ensure that the operator is instructed to ensure that the stabilizer floats are not fixed to the supportive surface.</i>	<i>Yes</i>	
	<i>Persons could be injured if the E.W.P. is damaged or tips due to the crawler tracks not being raised clear of the ground while the stabilizers are extended and down.</i>	<i>Yes</i>	<i>The manufacturer specifies that the crawler tracks must clear the surface.</i>	<i>Management should ensure that the operator is instructed to always raise the crawler tracks clear of the ground by means of the stabilizers.</i>	<i>Yes</i>	<i>Yes</i>
	<i>Persons could be injured if the E.W.P. tipped while the operator is relocating the E.W.P. and the stabilizer floats foul the ground or some other object.</i>	<i>Yes</i>		<i>Management should ensure that the operator is instructed to ensure that all stabilizers are fully raised prior to relocating the machine.</i>	<i>Yes</i>	

RISK ASSESSMENT OF PLANT.

PAGE NO 18. **PLANT DESCRIPTION** *Self Propelled Articulating Boom Type E.W.P.* **POWER SOURCE.** *Petrol* **ORGANISATION** *ASPAC Group*
DATE OF ASSESSMENT *05.02.2014* **MODEL.** *Zeus 18.93.*
ASSESSMENT CONDUCTED BY *All Crane & Hoist Consulting & Inspection Services.* **RISK ASSESSMENT METHOD USED** *Visual Inspection.* **ADDRESS.** *3/84 Hallam South Road Hallam. Vic 3803*

No.	Hazard Identified (Describe the situation or parts of plant which could rise to injury or illness).	Is there any risk?		Where there is a risk, describe the proposed risk control measure.	Are the risk control measures practicable.	
		<u>Yes.</u>	<u>No.</u> (Describe the control measures already implemented to address the hazard).		<u>Yes.</u>	<u>No.</u>
	<i>Persons could be injured while operating the machine using the lower controls if they are unable to see the stabilizer legs on the machine.</i>	<i>Yes</i>	<i>The manufacturer has provided controls within the basket and states within their manual that all levelling operations must be performed from within the platform (emergencies excepted).</i>	<i>Management should ensure that the operator is instructed to seek the assistance of a dogman or guide if there is any doubt of the location of the stabilizers and their floats.</i>	<i>Yes</i>	<i>Yes</i>
	<i>Persons could be injured if a stabilizer descended upon their foot.</i>	<i>Yes</i>	<i>The manufacturer has provided decals adjacent to the stabilizers stating "DANGER OF CRUSHING".</i>	<i>Management should ensure that the operator is instructed to carry out the control function of the stabilizers only after ensuring that no person is near the stabilizers.</i>	<i>Yes</i>	<i>Yes</i>
	<i>Persons could be injured if they were struck while in close proximity to a stabilizer while it was being activated.</i>	<i>Yes</i>		<i>Management should ensure that the operator is instructed to ensure that no person/s is near the stabilizers while being activated.</i>	<i>Yes</i>	
	<i>Persons could be injured if sudden applications are made to the controls.</i>	<i>Yes</i>		<i>Management should ensure that the operator is instructed not to apply the controls in a sudden or uncontrollable manner.</i>	<i>Yes</i>	
	<i>Persons could be injured if a stabilizer was struck by the basket or boom while being rotated at/or near ground level.</i>	<i>Yes</i>		<i>Management should ensure that the operator is instructed not to rotate the boom when at/or near ground level.</i>	<i>Yes</i>	

RISK ASSESSMENT OF PLANT.

PAGE NO 19. **PLANT DESCRIPTION** *Self Propelled Articulating Boom Type E.W.P.* **POWER SOURCE.** *Petrol* **ORGANISATION** *ASPAC Group*
DATE OF ASSESSMENT *05.02.2014* **MODEL.** *Zeus 18.93.*
ASSESSMENT CONDUCTED BY *All Crane & Hoist Consulting & Inspection Services.* **RISK ASSESSMENT METHOD USED** *Visual Inspection.* **ADDRESS.** *3/84 Hallam South Road Hallam. Vic 3803*

No.	Hazard Identified (Describe the situation or parts of plant which could rise to injury or illness).	Is there any risk?		Where there is a risk, describe the proposed risk control measure.	Are the risk control measures practicable.	
		<u>Yes.</u>	<u>No.</u> (Describe the control measures already implemented to address the hazard).		<u>Yes.</u>	<u>No</u>
	<i>Persons could be injured if the boom or basket is raised extremely fast.</i>	<i>Yes</i>	<i>The manufacturer has controlled the speed for ascent by limiting the capacity of the hydraulic flow.</i>	<i>Management should ensure that the operator and the maintenance personnel are instructed not to tamper with, or modify the flow speeds as set by the manufacturer. The basket should be operated at a slow speed.</i>	<i>Yes</i>	<i>Yes</i>
	<i>Persons could be injured if the boom or basket is lowered extremely fast.</i>	<i>Yes</i>	<i>The manufacturer has controlled the speed for descent by provision of a flow control valve.</i>	<i>Management should ensure that the operator and the maintenance personnel are instructed not to tamper with, or modify the flow speeds as set by the manufacturer. The basket should be operated at a slow speed.</i>	<i>Yes</i>	<i>Yes</i>
	<i>Persons could be injured if hydraulic pressure could not be maintained in the elevating system following a line failure.</i>	<i>Yes</i>	<i>The manufacturer has provided safety lock valves on the hydraulic cylinders.</i>		<i>Yes</i>	
	<i>Persons could be injured if a hydraulic cylinder failed by bursting.</i>	<i>Yes</i>	<i>The manufacturer has applied a minimum F.O.S. of 4 within the design of all hydraulic cylinders.</i>		<i>Yes</i>	

RISK ASSESSMENT OF PLANT.

PAGE NO 20. **PLANT DESCRIPTION** *Self Propelled Articulating Boom Type E.W.P.* **POWER SOURCE.** *Petrol* **ORGANISATION** *ASPAC Group*
DATE OF ASSESSMENT *05.02.2014* **MODEL.** *Zeus 18.93.*
ASSESSMENT CONDUCTED BY *All Crane & Hoist Consulting & Inspection Services.* **RISK ASSESSMENT METHOD USED** *Visual Inspection.* **ADDRESS.** *3/84 Hallam South Road Hallam. Vic 3803*

No.	Hazard Identified (Describe the situation or parts of plant which could rise to injury or illness).	Is there any risk?		Where there is a risk, describe the proposed risk control measure.	Are the risk control measures practicable.	
		<u>Yes.</u>	<u>No.</u> (Describe the control measures already implemented to address the hazard).		<u>Yes.</u>	<u>No</u>
	<i>Persons could be injured if the hydraulic circuit failed due to an overload being placed on the basket.</i>	<i>Yes</i>	<i>The manufacturer has provided a red load cell pilot light on the console which illuminates if the M.R.C. (maximum rated capacity) is exceeded.</i>	<i>Management should ensure that the operator and maintenance personnel are instructed to be aware of the warning light and its meaning.</i>	<i>Yes</i>	<i>Yes</i>
	<i>Persons could be injured as the result of the hydraulic system being over pressurised.</i>	<i>Yes</i>	<i>The manufacturer has provided a tapping point within the hydraulic system to allow for a pressure gauge to be attached.</i>		<i>Yes</i>	
	<i>Persons could be injured if the hydraulic system fails due to the overheating of the hydraulic fluid because of the operator misusing the control levers.</i>	<i>Yes</i>		<i>Management should ensure that the operator is instructed not to hold a control lever in the engaged position after its cylinder piston has reached its maximum position. Refer to the operator's manual.</i>	<i>Yes</i>	
	<i>Persons could be injured if the hydraulic system fails due to the overheating of the hydraulic fluid.</i>	<i>Yes</i>		<i>Management should ensure that the operator is instructed not to permit the hydraulic oil operating temperature to exceed the range outlined in the operator's manual.</i>	<i>Yes</i>	

RISK ASSESSMENT OF PLANT.

PAGE NO 21. **PLANT DESCRIPTION** *Self Propelled Articulating Boom Type E.W.P.* **POWER SOURCE.** *Petrol* **ORGANISATION** *ASPAC Group*
DATE OF ASSESSMENT *05.02.2014* **MODEL.** *Zeus 18.93.*
ASSESSMENT CONDUCTED BY *All Crane & Hoist Consulting & Inspection Services.* **RISK ASSESSMENT METHOD USED** *Visual Inspection.* **ADDRESS.** *3/84 Hallam South Road Hallam. Vic 3803*

No.	Hazard Identified (Describe the situation or parts of plant which could rise to injury or illness).	Is there any risk?		Where there is a risk, describe the proposed risk control measure.	Are the risk control measures practicable.	
		<u>Yes.</u>	<u>No.</u> (Describe the control measures already implemented to address the hazard).		<u>Yes.</u>	<u>No</u>
	<i>Persons could be injured if the hydraulic system failed due to the reservoir not having air space.</i>	<i>Yes</i>	<i>The manufacturer has provided a breather cap.</i>	<i>Management should ensure that the operator is instructed to ensure that the breather cap is fitted before commencing operation.</i>	<i>Yes</i>	<i>Yes</i>
	<i>Persons could be injured if the operator disturbs adjustments of any hydraulic component.</i>	<i>Yes</i>	<i>The manufacturer has provided over pressure valves within the hydraulic system.</i>	<i>Management should ensure that the operator is instructed that only trained and skilled mechanical personnel with an understanding of the machine may carry out adjustments to the hydraulic components of the unit.</i>	<i>Yes</i>	<i>Yes</i>
	<i>Persons could be injured if the E.W.P. is operated and a leakage of hydraulic oil exists.</i>	<i>Yes</i>		<i>Management should ensure that the operator is instructed to check that the hydraulic system is free from leakage prior to commencing work.</i>	<i>Yes</i>	
	<i>Persons could be injured if unauthorised persons, equipment or vehicles move into the working area.</i>	<i>Yes</i>		<i>Management should ensure that the operator is instructed to ensure that the machines working area is either barricaded or some method of control is provided to prevent the entry of unauthorised persons or objects.</i>	<i>Yes</i>	

RISK ASSESSMENT OF PLANT.

PAGE NO 22. **PLANT DESCRIPTION** *Self Propelled Articulating Boom Type E.W.P.* **POWER SOURCE.** *Petrol*

ORGANISATION *ASPAC Group*

DATE OF ASSESSMENT *05.02.2014*

MODEL. *Zeus 18.93.*

ASSESSMENT CONDUCTED BY *All Crane & Hoist Consulting & Inspection Services.*

RISK ASSESSMENT METHOD USED *Visual Inspection.*

ADDRESS. *3/84 Hallam South Road Hallam. Vic 3803*

No.	Hazard Identified (Describe the situation or parts of plant which could rise to injury or illness).	Is there any risk?		Where there is a risk, describe the proposed risk control measure.	Are the risk control measures practicable.	
		<u>Yes.</u>	<u>No.</u> (Describe the control measures already implemented to address the hazard).		<u>Yes.</u>	<u>No</u>
	<i>Persons could be injured if two or more E.W.P.'s or machines are working together on a site.</i>	<i>Yes</i>		<i>Management should ensure that the operators are instructed to determine signals for joint operations in advance and be constantly aware of each other's presence.</i>	<i>Yes</i>	
	<i>Persons could be injured if they were not aware that the unit was in use and they progressed into the work zone.</i>	<i>Yes</i>	<i>The manufacturer has provided a flashing beacon on the unit.</i>	<i>Management should ensure that the operator are instructed to ensure that suitable guarding/barriers are in place prior to commencing operations.</i>	<i>Yes</i> <i>Yes</i>	
	<i>Persons could be injured if the parked machine was started and/or operated by an unauthorised person/s.</i>	<i>Yes</i>	<i>The manufacturer has provided key locking switches on the motor and electrical system to prevent unauthorised use.</i>	<i>Management should ensure that the operator is instructed to ensure that upon leaving the machine he/she should take the keys with him/her.</i>	<i>Yes</i> <i>Yes</i>	
	<i>Persons could be injured if the safety devices on the E.W.P. are not in proper working order.</i>	<i>Yes</i>		<i>Management should ensure that the operator is instructed to ensure that prior to commencing work each day he/she should check all the safety devices on the machine.</i>	<i>Yes</i>	

RISK ASSESSMENT OF PLANT.

PAGE NO 23. **PLANT DESCRIPTION** *Self Propelled Articulating Boom Type E.W.P.* **POWER SOURCE.** *Petrol*

ORGANISATION *ASPAC Group*

DATE OF ASSESSMENT *05.02.2014*

MODEL. *Zeus 18.93.*

ASSESSMENT CONDUCTED BY *All Crane & Hoist Consulting & Inspection Services.*

RISK ASSESSMENT METHOD USED *Visual Inspection.*

ADDRESS. *3/84 Hallam South Road Hallam. Vic 3803*

No.	Hazard Identified (Describe the situation or parts of plant which could rise to injury or illness).	Is there any risk?		Where there is a risk, describe the proposed risk control measure.	Are the risk control measures practicable.	
		<u>Yes.</u>	<u>No.</u> (Describe the control measures already implemented to address the hazard).		<u>Yes.</u>	<u>No</u>
	<i>Persons could be injured if the operator was not aware of activities being carried out in close proximity to the machine.</i>	<i>Yes</i>		<i>Management should ensure that the operator is instructed to be aware of all activities within the working area of the unit.</i>	<i>Yes</i>	
	<i>Persons could be injured if tools or other items are left on the basket's floor and restrict access to the controls.</i>	<i>Yes</i>		<i>Management should ensure that the operator is instructed to ensure that the basket floor is clean and tidy and any tools or other items are properly stowed.</i>	<i>Yes</i>	
	<i>Persons could be injured while working on an untidy site and falling over various items at ground level while approaching or departing the E.W.P.</i>	<i>Yes</i>		<i>Management should ensure the supervisor has instructed all persons working upon the site to maintain the area in a clean and safe condition. All unused items should be safely stowed.</i>	<i>Yes</i>	
	<i>Persons could be injured while departing the basket unit.</i>	<i>Yes</i>		<i>Management should ensure that the operator is instructed not to jump from the basket and to use the stepping facilities provided. Steps and hand holds must be kept clear of oil, mud etc.</i>	<i>Yes</i>	
	<i>Persons could be injured while working beneath the working zone of the E.W.P.</i>	<i>Yes</i>		<i>Management should ensure that the operator is instructed to check to ensure that no persons are working beneath the working zone of the E.W.P.</i>	<i>Yes</i>	

RISK ASSESSMENT OF PLANT.

PAGE NO 24. PLANT DESCRIPTION *Self Propelled Articulating Boom Type E.W.P.* POWER SOURCE. *Petrol* ORGANISATION *ASPAC Group*
DATE OF ASSESSMENT *05.02.2014* MODEL. *Zeus 18.93.*
ASSESSMENT CONDUCTED BY *All Crane & Hoist Consulting & Inspection Services.* RISK ASSESSMENT METHOD USED *Visual Inspection.* ADDRESS. *3/84 Hallam South Road Hallam. Vic 3803*

No.	Hazard Identified (Describe the situation or parts of plant which could rise to injury or illness).	Is there any risk?		Where there is a risk, describe the proposed risk control measure.	Are the risk control measures practicable.	
		<u>Yes.</u>	<u>No.</u> (Describe the control measures already implemented to address the hazard).		<u>Yes.</u>	<u>No</u>
	<i>Persons could be injured if they were not restrained from falling from the basket.</i>	<i>Yes</i>	<i>An anchorage has been provided to which safety lanyards and harnesses can be attached within the basket area.</i>	<i>Management should ensure that the operator is instructed to ensure that all persons wear and attach approved safety harnesses at all times while being within the basket.</i>	<i>Yes</i>	<i>Yes</i>
	<i>Persons could be injured if they were crushed by moving/rotating portions of the E.W.P.</i>	<i>Yes</i>	<i>The manufacturer has provided decals adjacent to the crushing points.</i>	<i>Management should ensure that the operator is instructed to keep clear of any moving portions e.g. boom arm joints, basket rotation etc.</i>	<i>Yes</i>	<i>Yes</i>
	<i>Persons could be injured if the E.W.P. unit tips over as the result of pushing itself or other objects with the basket or the boom.</i>	<i>Yes</i>		<i>Management should ensure that the operator is instructed to ensure that the machine is used only for its designed functions.</i>	<i>Yes</i>	
	<i>Persons could be injured if the E.W.P. unit tips over due to forces being applied at basket level.</i>	<i>Yes</i>	<i>The manufacturer has stated within the operators manual the maximum horizontal force that may be applied at the basket level. Is 400N</i>	<i>Management should ensure that the operator is instructed not to push away from or pull towards any items outside the basket area that will exceed the manufacturers specification.</i>	<i>Yes</i>	<i>Yes</i>
	<i>Persons could be injured if the E.W.P. tips over when travelling as the result of damaged crawler tracks.</i>	<i>Yes</i>		<i>Management should ensure that the operator is instructed to check for damage or incomplete crawler tracks prior to using the machine and that such matters should be reported.</i>	<i>Yes</i>	

RISK ASSESSMENT OF PLANT.

PAGE NO 25. **PLANT DESCRIPTION** *Self Propelled Articulating Boom Type E.W.P.* **POWER SOURCE.** *Petrol* **ORGANISATION** *ASPAC Group*
DATE OF ASSESSMENT *05.02.2014* **MODEL.** *Zeus 18.93.*
ASSESSMENT CONDUCTED BY *All Crane & Hoist Consulting & Inspection Services.* **RISK ASSESSMENT METHOD USED** *Visual Inspection.* **ADDRESS.** *3/84 Hallam South Road Hallam. Vic 3803*

No.	Hazard Identified (Describe the situation or parts of plant which could rise to injury or illness).	Is there any risk?		Where there is a risk, describe the proposed risk control measure.	Are the risk control measures practicable.	
		<u>Yes.</u>	<u>No.</u> (Describe the control measures already implemented to address the hazard).		<u>Yes.</u>	<u>No</u>
	<i>Persons could be injured if the E.W.P. unit tips over due to items being placed against the unit.</i>	<i>Yes</i>		<i>Management should ensure that the operator is instructed not to allow items such as ladders etc. to be placed against the boom, basket or any other part of the machine.</i>	<i>Yes</i>	
	<i>Persons could be injured if items were attached to the E.W.P. to increase its stability.</i>	<i>Yes</i>		<i>Management should ensure that the operator is instructed not to attach cables, ropes etc to the E.W.P. to increase the machines stability.</i>	<i>Yes</i>	
	<i>Persons could be injured if the wind catchment area of the basket was increased e.g. banners etc.</i>	<i>Yes</i>		<i>Management should ensure that the operator is instructed not to attach banners etc that will increase the wind catchment area.</i>	<i>Yes</i>	
	<i>Persons could be injured if the E.W.P. is used to drag a load by raising the boom.</i>	<i>Yes</i>		<i>Management should ensure that the operator is instructed that the E.W.P. is for personnel use only and must not be used for any other purpose.</i>	<i>Yes</i>	
	<i>Persons could be injured if the E.W.P. is used to move or drag a load by slewing the boom.</i>	<i>Yes</i>		<i>Management should ensure that the operator is instructed that the E.W.P. is for personnel use only and must not be used for any other purpose.</i>	<i>Yes</i>	
	<i>Persons could be injured if body parts became infected as the result of minor abrasions.</i>	<i>Yes</i>	<i>The manufacturer has specified within the operators manual that a first aid kit should be in the work area.</i>	<i>Management should ensure that a first aid kit is in the work area and that the operator is instructed as to its use.</i>	<i>Yes</i> <i>Yes</i>	

RISK ASSESSMENT OF PLANT.

PAGE NO 26. **PLANT DESCRIPTION** *Self Propelled Articulating Boom Type E.W.P.* **POWER SOURCE.** *Petrol* **ORGANISATION** *ASPAC Group*
DATE OF ASSESSMENT *05.02.2014* **MODEL.** *Zeus 18.93.*
ASSESSMENT CONDUCTED BY *All Crane & Hoist Consulting & Inspection Services.* **RISK ASSESSMENT METHOD USED** *Visual Inspection.* **ADDRESS.** *3/84 Hallam South Road Hallam. Vic 3803*

No.	Hazard Identified (Describe the situation or parts of plant which could rise to injury or illness).	Is there any risk?		Where there is a risk, describe the proposed risk control measure.	Are the risk control measures practicable.	
		<u>Yes.</u>	<u>No.</u> (Describe the control measures already implemented to address the hazard).		<u>Yes.</u>	<u>No</u>
	<i>Persons could be injured if the unit became unstable due to an incorrect type or size of tracks being fitted.</i>	<i>Yes</i>	<i>The manufacturer has specified the correct type of and size of tracks within the operators manual.</i>	<i>Management should ensure that the operator is instructed to ensure that the correct tracks are fitted prior to commencing operations.</i>	<i>Yes</i>	
	<i>Persons could be injured if the unit became unstable due to damaged tracks..</i>	<i>Yes</i>		<i>Management should ensure that the operator is instructed to check the tracks for damage prior to commencing operations.</i>	<i>Yes</i>	
	<i>Persons could be injured if the E.W.P. tips over due to being used to raise or lower a fixed or overhanging load.</i>	<i>Yes</i>		<i>Management should ensure that the operator is instructed that the machine is for personnel use only and must not be used to raise or lower loads other than the workmen's hand tools.</i>	<i>Yes</i>	
	<i>Persons could be injured if they were not aware of fixed overhead structures or items and they were crushed when raising the basket.</i>	<i>Yes</i>		<i>Management should ensure that the operator is instructed to be aware of all overhead structures and items prior to raising the basket.</i>	<i>Yes</i>	

RISK ASSESSMENT OF PLANT.

PAGE NO 27. **PLANT DESCRIPTION** *Self Propelled Articulating Boom Type E.W.P.* **POWER SOURCE.** *Petrol* **ORGANISATION** *ASPAC Group*
DATE OF ASSESSMENT *05.02.2014* **MODEL.** *Zeus 18.93.*
ASSESSMENT CONDUCTED BY *All Crane & Hoist Consulting & Inspection Services.* **RISK ASSESSMENT METHOD USED** *Visual Inspection.* **ADDRESS.** *3/84 Hallam South Road Hallam. Vic 3803*

No.	Hazard Identified (Describe the situation or parts of plant which could rise to injury or illness).	Is there any risk?		Where there is a risk, describe the proposed risk control measure.	Are the risk control measures practicable.	
		<u>Yes.</u>	<u>No.</u> (Describe the control measures already implemented to address the hazard).		<u>Yes.</u>	<u>No</u>
	<i>Persons could be injured if additional height reaching equipment (ladders, boxes etc.) is used to provide additional reach for workers within the basket area.</i>	<i>Yes</i>		<i>Management should ensure that the operator is instructed to ensure that the machine is positioned in such a manner that all work may be completed with both his/her feet on the basket floor.</i>	<i>Yes</i>	
	<i>Persons could be injured if the E.W.P. becomes unstable due to contact with an adjacent structure.</i>	<i>Yes</i>		<i>Management should ensure that the operator is instructed to ensure that the machine does not contact adjacent structures at any time.</i>	<i>Yes</i>	
	<i>Persons could be injured if they attempt to ascend or descend to or from the platform by means of climbing on the boom.</i>	<i>Yes</i>		<i>Management should ensure that the operator is instructed that no persons should climb upon the boom.</i>	<i>Yes</i>	
	<i>Persons could be injured by slipping during access and egress from the unit.</i>	<i>Yes</i>		<i>Management should ensure that the operator is instructed to ensure that the foot plates and hand holds are kept free and clear of mud and oil.</i>	<i>Yes</i>	

RISK ASSESSMENT OF PLANT.

PAGE NO 28. **PLANT DESCRIPTION** *Self Propelled Articulating Boom Type E.W.P.* **POWER SOURCE.** *Petrol* **ORGANISATION** *ASPAC Group*
DATE OF ASSESSMENT *05.02.2014* **MODEL.** *Zeus 18.93.*
ASSESSMENT CONDUCTED BY *All Crane & Hoist Consulting & Inspection Services.* **RISK ASSESSMENT METHOD USED** *Visual Inspection.* **ADDRESS.** *3/84 Hallam South Road Hallam. Vic 3803*

No.	Hazard Identified (Describe the situation or parts of plant which could rise to injury or illness).	Is there any risk?		Where there is a risk, describe the proposed risk control measure.	Are the risk control measures practicable.	
		<u>Yes.</u>	<u>No.</u> (Describe the control measures already implemented to address the hazard).		<u>Yes.</u>	<u>No</u>
	<i>Persons could be injured if the E.W.P. is left unattended without being properly shut down and made secure.</i>	<i>Yes</i>	<i>The manufacturer has provided a key locking switch.</i>	<i>Management should ensure that the operator is instructed to ensure that the machine is made safe, secure and switched off. Remove the key prior to leaving the machine.</i>	<i>Yes</i>	<i>Yes</i>
	<i>Persons could be injured when entering or leaving the E.W.P. when it is in an elevated position.</i>	<i>Yes</i>		<i>Management should ensure that the operator is instructed to use a dual approved safety harness when entering or leaving the basket in an elevated position. The operator must ensure that the basket is within 100mm of the safe/secure structure that is being entered/exited.</i>	<i>Yes</i>	
	<i>Persons could be injured if a boom section was damaged and could not travel within the required path.</i>	<i>Yes</i>		<i>Management should ensure that the operator is instructed to check that the boom sections move freely and correctly prior to commencing each shift.</i>	<i>Yes</i>	
	<i>Persons could be injured if the power source ceased to operate due to overheating.</i>	<i>Yes</i>		<i>Management should ensure that the operator is instructed to regularly monitor the temperature of the engine.</i>	<i>Yes</i>	

RISK ASSESSMENT OF PLANT.

PAGE NO 29. **PLANT DESCRIPTION** *Self Propelled Articulating Boom Type E.W.P.* **POWER SOURCE.** *Petrol*

ORGANISATION *ASPAC Group*

DATE OF ASSESSMENT *05.02.2014*

MODEL. *Zeus 18.93.*

ASSESSMENT CONDUCTED BY *All Crane & Hoist Consulting & Inspection Services.*

RISK ASSESSMENT METHOD USED *Visual Inspection.*

ADDRESS. *3/84 Hallam South Road Hallam. Vic 3803*

No.	Hazard Identified (Describe the situation or parts of plant which could rise to injury or illness).	Is there any risk?		Where there is a risk, describe the proposed risk control measure.	Are the risk control measures practicable.	
		<u>Yes.</u>	<u>No.</u> (Describe the control measures already implemented to address the hazard).		<u>Yes.</u>	<u>No</u>
	<i>Persons could be injured if the gate is left open due to the basket operator's forgetfulness.</i>	<i>Yes</i>	<i>The manufacturer has provided a self closing gate at the entrance to the basket.</i>	<i>Management should ensure that the operator is instructed to check that the gate operates in a satisfactory manner. The results should be recorded within the maintenance/log book.</i>	<i>Yes</i> <i>Yes</i>	
	<i>Persons could be injured if the gate is structurally damaged and could not shut.</i>	<i>Yes</i>		<i>Management should ensure that the operator is instructed to check that the gate operates in a satisfactory manner. The results should be recorded within the maintenance/log book.</i>	<i>Yes</i>	
	<i>Persons could be injured if loads were supported by the handrails.</i>	<i>Yes</i>		<i>Management should ensure that the operator is instructed that loads must not be supported by the handrails at any time.</i>	<i>Yes</i>	

RISK ASSESSMENT OF PLANT.

PAGE NO 30. **PLANT DESCRIPTION** *Self Propelled Articulating Boom Type E.W.P.* **POWER SOURCE.** *Petrol* **ORGANISATION** *ASPAC Group*
DATE OF ASSESSMENT *05.02.2014* **MODEL.** *Zeus 18.93.*
ASSESSMENT CONDUCTED BY *All Crane & Hoist Consulting & Inspection Services.* **RISK ASSESSMENT METHOD USED** *Visual Inspection.* **ADDRESS.** *3/84 Hallam South Road Hallam. Vic 3803*

No.	Hazard Identified (Describe the situation or parts of plant which could rise to injury or illness).	Is there any risk?		Where there is a risk, describe the proposed risk control measure.	Are the risk control measures practicable.	
		<u>Yes.</u>	<u>No.</u> (Describe the control measures already implemented to address the hazard).		<u>Yes.</u>	<u>No</u>
	<i>Persons could be injured if sharp edges or protrusions within the basket's work area existed.</i>	<i>Yes</i>	<i>The manufacturer has designed and manufactured the unit to avoid harm and/or bodily injury.</i>		<i>Yes</i>	
	<i>Persons could be injured if any part of the basket handrails are removed.</i>	<i>Yes</i>	<i>The manufacturer has provided a complete handrail system.</i>	<i>Management should ensure that the operator is instructed that the removal of any part of the handrails is prohibited.</i>	<i>Yes</i>	<i>Yes</i>
	<i>Persons could be injured if they climb over or upon the handrails.</i>	<i>Yes</i>	<i>The manufacturer has provided entry gate at the front of the basket.</i>	<i>Management should ensure that the operator is instructed to ensure that all persons only use the entry point for egress and entry.</i>	<i>Yes</i>	<i>Yes</i>
	<i>Persons could be injured if while grasping the basket handrail it struck an adjacent object or structure while in motion.</i>	<i>Yes</i>	<i>The manufacturer has provided an internal handrail within the basket.</i>	<i>Management should ensure that the operator is instructed to ensure that no hands etc. project outside of the space between the internal handrail when the basket is in motion.</i>	<i>Yes</i>	<i>Yes</i>

RISK ASSESSMENT OF PLANT.

PAGE NO. 31 PLANT DESCRIPTION *Self Propelled Articulating Boom Type E.W.P.* POWER SOURCE. *Petrol* ORGANISATION *ASPAC Group*
DATE OF ASSESSMENT *05.02.2014* MODEL. *Zeus 18.93.*
ASSESSMENT CONDUCTED BY *All Crane & Hoist* RISK ASSESSMENT METHOD USED *Visual Inspection.* ADDRESS. *3/84 Hallam South Road*
Consulting & Inspection Services. *Hallam. Vic 3803*

No.	Hazard Identified (Describe the situation or parts of plant which could rise to injury or illness).	Is there any risk?		Where there is a risk, describe the proposed risk control measure.	Are the risk control measures practicable.	
		<u>Yes.</u>	<u>No.</u> (Describe the control measures already implemented to address the hazard).		<u>Yes.</u>	<u>No</u>
	<i>Persons could be injured if they are working in an area where persons are working overhead.</i>	<i>Yes</i>		<i>Management should ensure that the operator is instructed to depart the area where other persons are working above the basket. If the work is moderate he/she and the co-workers should obtain and wear approved safety helmets.</i>	<i>Yes</i>	
	<i>Persons could be injured by allowing parts of their body to protrude outside the confines of the basket.</i>	<i>Yes</i>		<i>Management should ensure that the operator is instructed to ensure that all persons stay within the confines of the basket particularly while the E.W.P. is moving (including raising and lowering of the platform).</i>	<i>Yes</i>	
	<i>Persons could be injured if equipment etc. falls from the basket.</i>	<i>Yes</i>	<i>The manufacturer has provided a kickboard about the basket floor.</i>	<i>Management should ensure that the operator is instructed to ensure that all equipment is contained within the confines of the work basket and prevent articles hanging over or projecting outside the basket area. All loose items should be secured within the basket area.</i>	<i>Yes</i> <i>Yes</i>	
	<i>Persons could be injured if the machine travels at high speed.</i>	<i>Yes</i>		<i>Management should ensure that the operator is instructed to travel slowly and cautiously at all times.</i>	<i>Yes</i>	

RISK ASSESSMENT OF PLANT.

PAGE NO. 32 PLANT DESCRIPTION *Self Propelled Articulating Boom Type E.W.P.* POWER SOURCE. *Petrol* ORGANISATION *ASPAC Group*
DATE OF ASSESSMENT *5.02.2014* MODEL. *Zeus 18.93*
ASSESSMENT CONDUCTED BY *All Crane & Hoist Consulting & Inspection Services.* RISK ASSESSMENT METHOD USED *Visual Inspection.* ADDRESS. *3/84 Hallam South Road Hallam. Vic 3803*

No.	Hazard Identified (Describe the situation or parts of plant which could rise to injury or illness).	Is there any risk?		Where there is a risk, describe the proposed risk control measure.	Are the risk control measures practicable.	
		<u>Yes.</u>	<u>No.</u> (Describe the control measures already implemented to address the hazard).		<u>Yes.</u>	<u>No</u>
	<i>Persons could be injured if they were struck by part of the E.W.P.</i>	<i>Yes</i>	<i>The manufacturer has provided a flashing beacon on the E.W.P.</i>	<i>Management should ensure that the operator is instructed to be aware of other persons within the work area prior to moving the machine.</i>	<i>Yes</i>	<i>Yes</i>
	<i>Persons could be injured if they were struck by a travelling machine.</i>	<i>Yes</i>	<i>A travel motion alarm (beep beep) is installed on the machine.</i>	<i>Management should ensure that the operator is instructed to ensure that the motion alarm is operable.</i>	<i>Yes</i>	<i>Yes</i>
	<i>Persons could be injured if the machine was struck by another floor operating machine.</i>	<i>Yes</i>	<i>The manufacturer has provided a flashing beacon on the E.W.P.</i>	<i>Management should ensure that the operator is instructed to set up barricades in the area where other machines are operating nearby.</i>	<i>Yes</i>	<i>Yes</i>
	<i>Persons could be injured by the E.W.P. skidding in wet or slippery conditions while being relocated.</i>	<i>Yes</i>		<i>Management should ensure that the operator is instructed to move the unit slowly and to exercise caution at all times.</i>	<i>Yes</i>	

RISK ASSESSMENT OF PLANT.

PAGE NO. 33

PLANT DESCRIPTION *Self Propelled Articulating Boom Type E.W.P.*

POWER SOURCE. *Petrol*

ORGANISATION *ASPAC Group*

DATE OF ASSESSMENT *05.02.2014*

MODEL. *Zeus 18.93.*

ASSESSMENT CONDUCTED BY *All Crane & Hoist
Consulting & Inspection Services.*

RISK ASSESSMENT METHOD USED *Visual Inspection.*

ADDRESS. *3/84 Hallam South Road
Hallam. Vic 3803*

No.	Hazard Identified (Describe the situation or parts of plant which could rise to injury or illness).	Is there any risk?		Where there is a risk, describe the proposed risk control measure.	Are the risk control measures practicable.	
		<u>Yes.</u>	<u>No.</u> (Describe the control measures already implemented to address the hazard).		<u>Yes.</u>	<u>No</u>
	<i>Persons could be injured by stepping into the path of the moving machine.</i>	<i>Yes</i>		<i>Isolate the E.W.P. from all pedestrians Management should ensure that the operator is instructed to always expect the unexpected and be aware of blind spots.</i>	<i>No.</i>	
	<i>Persons could be injured if struck by the boom while it was being lowered.</i>	<i>Yes</i>		<i>Management should ensure that the operator is instructed to ensure that the area below is clear of personnel and obstructions before lowering the boom.</i>	<i>Yes</i>	
	<i>Persons could be injured if they or the basket foul an overhead installation.</i>	<i>Yes</i>		<i>Management should ensure that the operator is instructed to familiarise himself/herself with all overhead installations in the workplace and to move the unit with the basket as low as possible.</i>	<i>Yes</i>	
	<i>Persons could be injured if the machine is operating in close proximity to overhead power items.</i>	<i>Yes</i>		<i>Management should ensure that the operator to is instructed request his/her supervisor to establish the voltage and arrange for protective devices such as tubular coverings and warning signs to be provided/alternatively have the power disconnected.</i>	<i>Yes</i>	

RISK ASSESSMENT OF PLANT.

PAGE NO. 34 **PLANT DESCRIPTION** *Self Propelled Articulating Boom Type E.W.P.* **POWER SOURCE.** *Petrol* **ORGANISATION** *ASPAC Group*
DATE OF ASSESSMENT *05.02.2014* **MODEL.** *Zeus 18.93*
ASSESSMENT CONDUCTED BY *All Crane & Hoist Consulting & Inspection Services.* **RISK ASSESSMENT METHOD USED** *Visual Inspection.* **ADDRESS.** *3/84 Hallam South Road Hallam. Vic 3803*

No.	Hazard Identified (Describe the situation or parts of plant which could rise to injury or illness).	Is there any risk?		Where there is a risk, describe the proposed risk control measure.	Are the risk control measures practicable.	
		<u>Yes.</u>	<u>No.</u> (Describe the control measures already implemented to address the hazard).		<u>Yes.</u>	<u>No</u>
	<i>The operator could be injured if the basket made contact with live electrical conductors or power lines.</i>	<i>Yes</i>		<i>Management should ensure that the operator is instructed not to raise the unit near live wires unless they are de-activated. A warning notice should be attached to the unit stating "LIVE WIRES" etc.</i>	<i>Yes</i>	
	<i>Persons could be injured by live electrical conductors on overhead power line poles if the EWP is near them while in operating mode.</i>	<i>Yes</i>		<i>Management should ensure that the operator is instructed to ensure that the minimum clearance between an EWP while in operating mode and overhead powerlines on poles is 3m below and on each side . Any part of the EWP or its components are not permitted anywhere above the power lines. A certificated spotter is required for the sole task of observing and warning against any unsafe approach to the powerlines and any other electrical apparatus between 3m and 6.4m of power pole lines.</i>	<i>Yes</i>	
	<i>Persons could be injured by live electrical conductors on overhead power line towers if the EWP is near them while in operating mode.</i>	<i>Yes</i>		<i>Management should ensure that the operator is instructed to ensure that the minimum clearance between an EWP while in operating mode and overhead powerlines on towers is 8m below and on on each side. Any part of the EWP or its components are not permitted anywhere above the power lines. A certificated spotter is required for the sole task of observing and warning against any unsafe approach to the powerlines and any other electrical apparatus between 8m and 10m of tower power lines.</i>	<i>Yes</i>	
	<i>Persons could be injured by the E.W.P. being set up in close proximity to high power electromagnetic wave emitters e.g. radio or television transmitters.</i>	<i>Yes</i>		<i>Management should ensure that the operator is instructed to ensure that his supervisor contacts the relevant authority or company and establishes safety before commencing work.</i>	<i>Yes</i>	

RISK ASSESSMENT OF PLANT.

PAGE NO. 36 PLANT DESCRIPTION *Self Propelled Articulating Boom Type E.W.P.* POWER SOURCE. *Petrol* ORGANISATION *ASPAC Group*
DATE OF ASSESSMENT *05.02.2014* MODEL. *Zeus 18.93.*
ASSESSMENT CONDUCTED BY *All Crane & Hoist Consulting & Inspection Services.* RISK ASSESSMENT METHOD USED *Visual Inspection.* ADDRESS. *3/84 Hallam South Road Hallam. Vic 3803*

No.	Hazard Identified (Describe the situation or parts of plant which could rise to injury or illness).	Is there any risk?		Where there is a risk, describe the proposed risk control measure.	Are the risk control measures practicable.	
		<u>Yes.</u>	<u>No.</u> (Describe the control measures already implemented to address the hazard).		<u>Yes.</u>	<u>No</u>
	<i>Persons could be injured if loads are hung from the basket.</i>	<i>Yes</i>		<i>Management should ensure that the operator is instructed not to hang any load over the side of the basket at any time.</i>	<i>Yes</i>	
	<i>Persons could be injured if the basket or the person within were struck by an overhead crane.</i>	<i>Yes</i>		<i>Management should ensure that the operator is instructed to turn off the main crane isolator of an overhead crane working above the elevated work platform and remove the key from the switch lock of the overhead crane.</i>	<i>Yes</i>	
	<i>Persons could be injured by power tools hanging from the basket.</i>	<i>Yes</i>		<i>Management should ensure that the operator is instructed to ensure that all tools are contained within the confines of the basket and that power tools are not to be hung from the platform.</i>	<i>Yes</i>	
	<i>Persons could be injured due to power tool extension leads hanging from the basket.</i>	<i>Yes</i>		<i>Management should ensure that the operator is instructed to ensure that all electrical leads comply with the Code of Practice for Temporary Electrical Installations in the Building & Construction Industry. He/she must ensure that the leads are not dragged or stretched while moving the basket.</i>	<i>Yes</i>	

RISK ASSESSMENT OF PLANT.

PAGE NO. 37 PLANT DESCRIPTION *Self Propelled Articulating Boom Type E.W.P.* POWER SOURCE. *Petrol* ORGANISATION *ASPAC Group*
DATE OF ASSESSMENT *05.02.2014* MODEL. *Zeus 18.93.*
ASSESSMENT CONDUCTED BY *All Crane & Hoist Consulting & Inspection Services.* RISK ASSESSMENT METHOD USED *Visual Inspection.* ADDRESS. *3/84 Hallam South Road Hallam. Vic 3803*

No.	Hazard Identified (Describe the situation or parts of plant which could rise to injury or illness).	Is there any risk?		Where there is a risk, describe the proposed risk control measure.	Are the risk control measures practicable.	
		<u>Yes.</u>	<u>No.</u> (Describe the control measures already implemented to address the hazard).		<u>Yes.</u>	<u>No</u>
	<i>Persons could be injured if the E.W.P. tracks drop down a hole, strikes a bump or it is moved over debris and coverings that may conceal a hole or other hazards while it is being relocated.</i>	<i>Yes</i>		<i>Management should ensure that the operator is instructed to move the machine slowly and cautiously at all times while looking ahead for ground faults.</i>	<i>Yes</i>	
	<i>Persons could be injured if the operators hands slipped off the controls.</i>	<i>Yes</i>		<i>Management should ensure that the operator is instructed to ensure that his/her hands are dry at all times.</i>	<i>Yes</i>	
	<i>Persons could be injured if the machine was operating in an unlit or poorly lit area.</i>	<i>Yes</i>		<i>Management should ensure that the operator is instructed that he/she must ensure that he/she has absolute clear vision in a properly lit workplace at all times. Additional lighting etc may have to be provided.</i>	<i>Yes</i>	
	<i>Persons could be injured if they are crushed between the moving E.W.P. and fixed plant or some object.</i>	<i>Yes</i>	<i>The manufacturer has provided a motion alarm on the E.W.P.</i>	<i>Management should ensure that the operator is instructed to ensure that all personnel keep clear when the machine is being moved to a new location.</i>	<i>Yes</i> <i>Yes</i>	

RISK ASSESSMENT OF PLANT.

PAGE NO. 38 PLANT DESCRIPTION *Self Propelled Articulating Boom Type E.W.P.* POWER SOURCE. *Petrol* ORGANISATION *ASPAC Group*
DATE OF ASSESSMENT *05.02.2014* MODEL. *Zeus 18.93.*
ASSESSMENT CONDUCTED BY *All Crane & Hoist Consulting & Inspection Services.* RISK ASSESSMENT METHOD USED *Visual Inspection.* ADDRESS. *3/84 Hallam South Road Hallam. Vic 3803*

No.	Hazard Identified (Describe the situation or parts of plant which could rise to injury or illness).	Is there any risk?		Where there is a risk, describe the proposed risk control measure.	Are the risk control measures practicable.	
		<u>Yes.</u>	<u>No.</u> (Describe the control measures already implemented to address the hazard).		<u>Yes.</u>	<u>No</u>
	<i>Persons could be injured if the unit becomes unstable due to its supporting surface collapsing or being washed away while it is in a parked situation.</i>	<i>Yes</i>		<i>Management should ensure that the operator is instructed to park the unit in a safe location and if there is any doubt regarding the supporting surface seek advice from his/her supervisor or an engineer.</i>	<i>Yes</i>	
	<i>Persons could be injured if the E.W.P. platform is operated upon a surface or adjacent to a pit wall which may not sustain its operating weight.</i>	<i>Yes</i>	<i>The manufacturer has specified the weight of the unit in the operator's manual. The mass of the machine has been identified on the machine.</i>	<i>Management should ensure that the operator is instructed to check with his/her supervisor or an engineer prior to operating on any area to confirm that it does have a solid level surface.</i>	<i>Yes</i> <i>Yes</i> <i>Yes</i>	
	<i>Persons could be injured if the E.W.P. is operated on a public road.</i>	<i>Yes</i>		<i>Management should ensure that the operator is instructed to ensure that the unit is set up properly and appropriate warning signs and barricades are set up surrounding the machine.</i>	<i>Yes</i>	
	<i>Persons could be injured if the E.W.P. is parked on a public road or place at night.</i>	<i>Yes</i>		<i>Management should ensure that the operator is instructed to ensure that the platform is lowered and that night warning lights and signs are set up surrounding the unit.</i>	<i>Yes</i>	

RISK ASSESSMENT OF PLANT.

PAGE NO. 39 PLANT DESCRIPTION *Self Propelled Articulating Boom Type E.W.P.* POWER SOURCE. *Petrol* ORGANISATION *ASPAC Group*
DATE OF ASSESSMENT *05.02.2014* MODEL. *Zeus 18.93*
ASSESSMENT CONDUCTED BY *All Crane & Hoist Consulting & Inspection Services.* RISK ASSESSMENT METHOD USED *Visual Inspection.* ADDRESS. *3/84 Hallam South Road Hallam. Vic 3803*

No.	Hazard Identified (Describe the situation or parts of plant which could rise to injury or illness).	Is there any risk?		Where there is a risk, describe the proposed risk control measure.	Are the risk control measures practicable.	
		<u>Yes.</u>	<u>No.</u> (Describe the control measures already implemented to address the hazard).		<u>Yes.</u>	<u>No</u>
	<i>Persons could be crushed or injured by an unexpected inadvertent movement of the work basket..</i>	<i>Yes</i>	<i>All controls have been clearly designed as to their function by the manufacturer.</i>	<i>Management should ensure that the operator is instructed that all care must be taken while operating the controls.</i>	<i>Yes</i>	<i>Yes</i>
	<i>Persons could be crushed by the E.W.P. tipping or rolling over upon a poor surface.</i>	<i>Yes</i>		<i>Management should ensure that the operator is instructed to ask his/her supervisor for an Engineering Assessment of any operating surface that appears soft. Management should ensure that the operators are instructed to only operate on solid level surfaces within the capacity and the recommended uses of the machine.</i>	<i>Yes</i>	<i>Yes</i>
	<i>Persons could be injured if the basket size is increased and the unit is subjected to excessive wind loads.</i>	<i>Yes</i>		<i>Management should ensure that the operator is instructed not to raise the basket or operate during excessively windy weather and to observe the manufacturers recommendations.</i>	<i>Yes</i>	
	<i>Persons could be injured if the operator is unfamiliar with the area where he/she is working.</i>	<i>Yes</i>		<i>Management should ensure that the operator is instructed regarding the surroundings where the machine is set up for operation and of any local site requirements.</i>	<i>Yes</i>	

RISK ASSESSMENT OF PLANT.

PAGE NO. 40 PLANT DESCRIPTION *Self Propelled Articulating Boom Type E.W.P.* POWER SOURCE. *Petrol* ORGANISATION *ASPAC Group*
DATE OF ASSESSMENT *05.02.2014* MODEL. *Zeus 18.93*
ASSESSMENT CONDUCTED BY *All Crane & Hoist Consulting & Inspection Services.* RISK ASSESSMENT METHOD USED *Visual Inspection.* ADDRESS. *3/84 Hallam South Road Hallam. Vic 3803*

No.	Hazard Identified (Describe the situation or parts of plant which could rise to injury or illness).	Is there any risk?		Where there is a risk, describe the proposed risk control measure.	Are the risk control measures practicable.	
		<u>Yes.</u>	<u>No.</u> (Describe the control measures already implemented to address the hazard).		<u>Yes.</u>	<u>No</u>
	<i>Persons could be injured if the unit is moved over unsubstantial ground or near the edge of a ditch or some other form of hollow, a gap or excavation.</i>	<i>Yes</i>		<i>Management should ensure that the operator is instructed to be guided by a competent person while travelling. Inquiries should be made to a supervisor or engineer regarding the condition of the machines supporting surface. Management should ensure that the operator is instructed that the boom must be lowered prior to moving the unit.</i>	<i>Yes</i>	
	<i>Persons could be injured if the unit is moved on rough ground and/or slopes.</i>	<i>Yes</i>	<i>The manufacturer specifies in the operator's manual the maximum gradeability with the boom stowed.</i>	<i>Management should ensure that the operator is instructed to be guided by a competent person and to travel carefully and slowly.</i>	<i>Yes</i> <i>Yes</i>	
	<i>Persons could be injured if the unit is moved in areas where space is limited.</i>	<i>Yes</i>		<i>Management should ensure that the operator is instructed to be guided by a competent person and to travel carefully and slowly.</i>	<i>Yes</i>	
	<i>Persons could be injured if the unit is improperly parked on a slope.</i>	<i>Yes</i>		<i>Management should ensure that the operator is instructed that prior to him/her leaving the unit that the tracks must not be left facing down hill and must be chocked.</i>	<i>Yes</i>	

RISK ASSESSMENT OF PLANT.

PAGE NO. 41 PLANT DESCRIPTION *Self Propelled Articulating Boom Type E.W.P.* POWER SOURCE. *Petrol* ORGANISATION *ASPAC Group*
DATE OF ASSESSMENT *05.02.2014* MODEL. *Zeus 18.93.*
ASSESSMENT CONDUCTED BY *All Crane & Hoist* RISK ASSESSMENT METHOD USED *Visual Inspection.* ADDRESS. *3/84 Hallam South Road*
Consulting & Inspection Services. *Hallam. Vic 3803*

No.	Hazard Identified (Describe the situation or parts of plant which could rise to injury or illness).	Is there any risk?		Where there is a risk, describe the proposed risk control measure.	Are the risk control measures practicable.	
		<u>Yes.</u>	<u>No.</u> (Describe the control measures already implemented to address the hazard).		<u>Yes.</u>	<u>No</u>
	<i>Persons could be injured if personal protective equipment is not available or being used when working in an unsatisfactory work environment e.g. noise, heat fumes etc.</i>	<i>Yes</i>		<i>Management should ensure that the operator is instructed to ensure that appropriate personal protective equipment is available and is in good condition and is being worn prior to commencing work.</i>	<i>Yes</i>	
	<i>Persons could be injured if the operators vision is impaired by sunlight or bright colours in close proximity.</i>	<i>Yes</i>		<i>Management should ensure that the operator is instructed to wear sunglasses or another form of suitable eye protection.</i>	<i>Yes</i>	
	<i>Persons could be injured if the operator is distracted by external noise.</i>	<i>Yes</i>		<i>Management should ensure that the operator is instructed to wear ear muffs or some other form of suitable ear protection.</i>	<i>Yes</i>	
	<i>Persons could be injured if the E.W.P. is operated in a location where potential flammable or explosive gases or particles may be present.</i>	<i>Yes</i>		<i>Management should ensure that the operator is instructed to ensure that the intended work location is free of potential explosive hazards before commencing operations.</i>	<i>Yes</i>	

RISK ASSESSMENT OF PLANT.

PAGE NO. 42 PLANT DESCRIPTION *Self Propelled Articulating Boom Type E.W.P.* POWER SOURCE. *Petrol* ORGANISATION *ASPAC Group*
DATE OF ASSESSMENT *05.02.2014* MODEL. *Zeus 18.93.*
ASSESSMENT CONDUCTED BY *All Crane & Hoist Consulting & Inspection Services.* RISK ASSESSMENT METHOD USED *Visual Inspection.* ADDRESS. *3/84 Hallam South Road Hallam. Vic 3803*

No.	Hazard Identified (Describe the situation or parts of plant which could rise to injury or illness).	Is there any risk?		Where there is a risk, describe the proposed risk control measure.	Are the risk control measures practicable.	
		<u>Yes.</u>	<u>No.</u> (Describe the control measures already implemented to address the hazard).		<u>Yes.</u>	<u>No</u>
	<i>Persons could be injured due to breathing exhaust fumes during normal operations.</i>	<i>Yes</i>	<i>The manufacturer has provided a suitable exhaust system.</i>	<i>Management should ensure that the operator is instructed to ensure that the exhaust system is leak free and directed in the appropriate direction.</i>	<i>Yes</i>	<i>Yes</i>
	<i>Persons could be injured and/or made unwell if the unit is started in an unventilated area.</i>	<i>Yes</i>		<i>Management should ensure that the operator is instructed not to start the unit in an unventilated area.</i>	<i>Yes</i>	
	<i>Persons could be injured in the event of a fire.</i>	<i>Yes</i>	<i>The manufacturer specifies within the operators manual that a fire extinguisher should be in the working area.</i>	<i>Management should ensure that a fire extinguisher is in the working area and that the operator is instructed how to use the fire extinguisher.</i>	<i>Yes</i>	<i>Yes</i>
	<i>Persons could be injured by contacting the hot exhaust system.</i>	<i>Yes</i>		<i>Management should ensure that the operator and maintenance personnel are advised that the exhaust system will be hot when the unit is operating or has just ceased operations.</i>	<i>Yes</i>	

RISK ASSESSMENT OF PLANT.

PAGE NO. 43 PLANT DESCRIPTION *Self Propelled Articulating Boom Type E.W.P.* POWER SOURCE. *Petrol* ORGANISATION *ASPAC Group*
DATE OF ASSESSMENT *05.02.2014* MODEL. *Zeus 18.93.*
ASSESSMENT CONDUCTED BY *All Crane & Hoist* RISK ASSESSMENT METHOD USED *Visual Inspection.* ADDRESS. *3/84 Hallam South Road*
Consulting & Inspection Services. *Hallam. Vic 3803*

No.	Hazard Identified (Describe the situation or parts of plant which could rise to injury or illness).	Is there any risk?		Where there is a risk, describe the proposed risk control measure.	Are the risk control measures practicable.	
		<u>Yes.</u>	<u>No.</u> (Describe the control measures already implemented to address the hazard).		<u>Yes.</u>	<u>No</u>
	<i>Persons could be injured if they dropped items of tools on their feet.</i>	<i>Yes</i>		<i>Management should ensure that persons are instructed to wear safety footwear.</i>	<i>Yes</i>	
	<i>Persons could be injured if the operator is under the influence of alcohol or drugs.</i>	<i>Yes</i>		<i>Management should ensure that the operator is instructed that driving while under the influence of alcohol or drugs is prohibited.</i>	<i>Yes</i>	
	<i>Persons could be injured if the operators performance is inhibited by poor health or medication with side effects.</i>	<i>Yes</i>		<i>Management should ensure that the operator is instructed that he/she must report to his/her supervisor if he/she is suffering poor health and his/her safe operating performance could be affected.</i>	<i>Yes</i>	
	<i>Persons could be injured if the operators performance was inhibited by excessive fatigue.</i>	<i>Yes</i>		<i>Management should ensure that the operator is instructed that he/she must report to his/her supervisor if he/she is suffering fatigue and his/her safe operating performance could be affected.</i>	<i>Yes</i>	

RISK ASSESSMENT OF PLANT.

PAGE NO. 44 **PLANT DESCRIPTION** *Self Propelled Articulating Boom Type E.W.P.* **POWER SOURCE.** *Petrol* **ORGANISATION** *ASPAC Group*
DATE OF ASSESSMENT *05.02.2014* **MODEL.** *Zeus 18.93.*
ASSESSMENT CONDUCTED BY *All Crane & Hoist* **RISK ASSESSMENT METHOD USED** *Visual Inspection.* **ADDRESS.** *3/84 Hallam South Road*
Consulting & Inspection Services. *Hallam. Vic 3803*

No.	Hazard Identified (Describe the situation or parts of plant which could rise to injury or illness).	Is there any risk?		Where there is a risk, describe the proposed risk control measure.	Are the risk control measures practicable.	
		<u>Yes.</u>	<u>No.</u> (Describe the control measures already implemented to address the hazard).		<u>Yes.</u>	<u>No</u>
	<i>Persons could be injured if tools, rags etc. are left in the engine compartment.</i>	<i>Yes</i>		<i>Management should ensure that the operator is instructed to check the engine compartment after work has been carried out there-in.</i>	<i>Yes</i>	
	<i>Persons could be injured if the controls were inadvertently moved due to being caught by the operators loose clothing.</i>	<i>Yes</i>		<i>Management should ensure that the operator is instructed to wear clothing appropriate to his/her duties i.e. close fitting.</i>	<i>Yes</i>	
	<i>Persons could be injured by a machine with a day dreaming operator who is not concentrating.</i>	<i>Yes</i>		<i>Management should ensure that the operator is instructed to stay alert and concentrate on his/her driving at all times.</i>	<i>Yes</i>	

RISK ASSESSMENT OF PLANT.

PAGE NO. 45 PLANT DESCRIPTION *Self Propelled Articulating Boom Type E.W.P.* POWER SOURCE. *Petrol* ORGANISATION *ASPAC Group*
DATE OF ASSESSMENT *05.02.2014* MODEL. *Zeus 18.93.*
ASSESSMENT CONDUCTED BY *All Crane & Hoist Consulting & Inspection Services.* RISK ASSESSMENT METHOD USED *Visual Inspection.* ADDRESS. *3/84 Hallam South Road Hallam. Vic 3803*

No.	Hazard Identified (Describe the situation or parts of plant which could rise to injury or illness).	Is there any risk?		Where there is a risk, describe the proposed risk control measure.	Are the risk control measures practicable.	
		<u>Yes.</u>	<u>No.</u> (Describe the control measures already implemented to address the hazard).		<u>Yes.</u>	<u>No</u>
	<i>Persons could be injured if the operator is distracted by the operating noise of the E.W.P.</i>	<i>Yes</i>		<i>Management should ensure that the operator is instructed to wear ear muffs or some other form of suitable ear protection.</i>	<i>Yes</i>	
	<i>Persons could have their hands injured while working on the machine.</i>	<i>Yes</i>		<i>Management should ensure that these personnel are instructed to obtain and wear suitable gloves.</i>	<i>Yes</i>	
	<i>Persons could be injured if the machine is operating in extreme temperatures.</i>	<i>Yes</i>	<i>The manufacturer states in the operators manual not to start the E.W.P. if environmental temperatures are below -10°C or exceed +40°C.</i>	<i>Management should ensure that the operator is instructed to be aware of the temperature range that the machine will be operating within.</i>	<i>Yes</i> <i>Yes</i>	
	<i>Persons could be injured if they slipped upon a slippery surface such as oil that had been left by a mechanic.</i>	<i>Yes</i>		<i>Management should insure that persons are instructed to clean up any oil spills immediately they occur.</i>	<i>Yes</i>	

RISK ASSESSMENT OF PLANT.

PAGE NO. 46 PLANT DESCRIPTION *Self Propelled Articulating Boom Type E.W.P.* POWER SOURCE. *Petrol* ORGANISATION *ASPAC Group*
DATE OF ASSESSMENT *05.02.2014* MODEL. *Zeus 18.93.*
ASSESSMENT CONDUCTED BY *All Crane & Hoist* RISK ASSESSMENT METHOD USED *Visual Inspection.* ADDRESS. *3/84 Hallam South Road*
Consulting & Inspection Services. *Hallam. Vic 3803*

No.	Hazard Identified (Describe the situation or parts of plant which could rise to injury or illness).	Is there any risk?		Where there is a risk, describe the proposed risk control measure.	Are the risk control measures practicable.	
		<u>Yes.</u>	<u>No.</u> (Describe the control measures already implemented to address the hazard).		<u>Yes.</u>	<u>No</u>
	<i>Persons could be injured if they climbed upon a machine component where oil had been left after maintenance had been carried out.</i>	<i>Yes</i>		<i>Management should ensure that persons are instructed to clean up any oil spills immediately they occur.</i>	<i>Yes</i>	
	<i>Persons could be injured if the maintenance and service personnel do not understand the workings of the machine.</i>	<i>Yes</i>	<i>The manufacturer has provided operational, service and instruction manuals. Only qualified personnel should maintain and service the machine.</i>	<i>Management should ensure that the maintenance and service personnel are instructed to read and thoroughly understand the machines operation, instruction and service manuals.</i>	<i>Yes</i> <i>Yes</i>	
	<i>Persons could be injured if servicing, maintenance or repairs occur while the E.W.P. is in an operating situation.</i>	<i>Yes</i>		<i>Management should ensure that the operator is instructed to ensure that servicing and maintenance etc. is not carried out while the unit is in operation <u>except</u> in an emergency.</i>	<i>Yes</i>	
	<i>Persons could be injured if the machine is being repaired, maintained or serviced on an incline.</i>	<i>Yes</i>		<i>Management should ensure that the driver is instructed that the machine should be set up on firm level ground for service and general maintenance. Should this not be practical as in the case of a repair, the tracks must be adequately chocked.</i>	<i>Yes</i>	

RISK ASSESSMENT OF PLANT.

PAGE NO. 47 PLANT DESCRIPTION *Self Propelled Articulating Boom Type E.W.P.* POWER SOURCE. *Petrol* ORGANISATION *ASPAC Group*
DATE OF ASSESSMENT *05.02.2014* MODEL. *Zeus 18.93.*
ASSESSMENT CONDUCTED BY *All Crane & Hoist Consulting & Inspection Services.* RISK ASSESSMENT METHOD USED *Visual Inspection.* ADDRESS. *3/84 Hallam South Road Hallam. Vic 3803*

No.	Hazard Identified (Describe the situation or parts of plant which could rise to injury or illness).	Is there any risk?		Where there is a risk, describe the proposed risk control measure.	Are the risk control measures practicable.	
		<u>Yes.</u>	<u>No.</u> (Describe the control measures already implemented to address the hazard).		<u>Yes.</u>	<u>No</u>
	<i>Persons could be injured if the machine is started while maintenance personnel are working on it.</i>	<i>Yes</i>	<i>The manufacturer has provided key locking switches on the motor and the electrical system.</i>	<i>Management should ensure that the operator is instructed to remove the key/s from the control panel and retain the key/s or pass if to the responsible maintenance technician working on the machine.</i>	<i>Yes</i>	<i>Yes</i>
	<i>Persons could be injured if they are struck by loose or open compartment covers.</i>	<i>Yes</i>	<i>The manufacturer has provided latches on all compartment covers.</i>	<i>Management should ensure that the operator is instructed to ensure that all compartment covers are in place and secured prior to operating the machine.</i>	<i>Yes</i>	<i>Yes</i>
	<i>Persons could be injured while the machine is being dis-assembled for repairs.</i>	<i>Yes</i>		<i>Management should ensure that the operator and mechanics are instructed that no unauthorised persons shall go near the machine to remove pins or bolts.</i>	<i>Yes</i>	
	<i>Persons could be injured if unauthorised heat is applied to the machines structure.</i>	<i>Yes</i>		<i>Management should ensure that the operator is instructed to ensure that any damage to the machine must be reported forthwith. Repairs that require heat must be supervised by an engineer.</i>	<i>Yes</i>	

RISK ASSESSMENT OF PLANT.

PAGE NO. 48 PLANT DESCRIPTION *Self Propelled Articulating Boom Type E.W.P.* POWER SOURCE. *Petrol* ORGANISATION *ASPAC Group*
DATE OF ASSESSMENT *05.02.2014* MODEL. *Zeus 18.93.*
ASSESSMENT CONDUCTED BY *All Crane & Hoist Consulting & Inspection Services.* RISK ASSESSMENT METHOD USED *Visual Inspection.* ADDRESS. *3/84 Hallam South Road Hallam. Vic 3803*

No.	Hazard Identified (Describe the situation or parts of plant which could rise to injury or illness).	Is there any risk?		Where there is a risk, describe the proposed risk control measure.	Are the risk control measures practicable.	
		<u>Yes.</u>	<u>No.</u> (Describe the control measures already implemented to address the hazard).		<u>Yes.</u>	<u>No</u>
	<i>Persons could be injured if the machine is operated and leakage of battery electrolyte exists.</i>	<i>Yes</i>		<i>Management should ensure that the operator is instructed to ensure that the machine is checked and is free from battery leaks on a daily basis and to enter any such deficiencies in the maintenance/log book. Serious matters should be reported to the supervisor immediately.</i>	<i>Yes</i>	
	<i>Persons could be injured if the unit's batteries are charged in a confined area.</i>	<i>Yes</i>		<i>Management should ensure that the person responsible for charging the batteries is instructed to ensure that this operation is only permitted in a well ventilated area. Also ensure that the battery charger or battery are not exposed to water or rain.</i>	<i>Yes</i>	
	<i>Persons could be injured when checking and topping up the unit's batteries if a naked flame or power source is present within the area.</i>	<i>Yes</i>		<i>Management should ensure that the operator and the maintenance personnel are instructed that "NO SMOKING" signs should be set up while battery checking and topping up is being carried out. The electric motor should also be switched off.</i>	<i>Yes</i>	
	<i>Persons could be injured during refuelling of the E.W.P. in a confined area.</i>	<i>Yes</i>		<i>Management should ensure that the person responsible for refuelling is instructed to ensure that this operation is only permitted in a well ventilated area.</i>	<i>Yes</i>	

RISK ASSESSMENT OF PLANT.

PAGE NO. 49 PLANT DESCRIPTION *Self Propelled Articulating Boom Type E.W.P.* POWER SOURCE. *Petrol* ORGANISATION *ASPAC Group*
DATE OF ASSESSMENT *05.02.2014* MODEL. *Zeus 18.93.*
ASSESSMENT CONDUCTED BY *All Crane & Hoist* RISK ASSESSMENT METHOD USED *Visual Inspection.* ADDRESS. *3/84 Hallam South Road*
Consulting & Inspection Services. *Hallam. Vic 3803*

No.	Hazard Identified (Describe the situation or parts of plant which could rise to injury or illness).	Is there any risk?		Where there is a risk, describe the proposed risk control measure.	Are the risk control measures practicable.	
		<u>Yes.</u>	<u>No.</u> (Describe the control measures already implemented to address the hazard).		<u>Yes.</u>	<u>No</u>
	<i>Persons could be injured when refuelling the unit if a naked flame or power source is present within the area.</i>	<i>Yes</i>		<i>Management should ensure that the person responsible is instructed that 'NO SMOKING' signs should be set up when refuelling and the engine must be switched off and the key removed.</i>	<i>Yes</i>	
	<i>Persons could be injured if the unit is operated and a fuel leak develops due to lack of proper maintenance.</i>	<i>Yes</i>		<i>Management should ensure that the operator is instructed to ensure that all fuel lines and tanks are leak free prior to operating the unit.</i>	<i>Yes</i>	
	<i>Persons could be injured due to the overfilling of fuel tank.</i>	<i>Yes</i>		<i>Management should ensure that the person responsible for refuelling is instructed that the tank must not be filled to the extent that spillage could occur.</i>	<i>Yes</i>	
	<i>Persons could be injured while working upon or being close to any moving mechanical parts while wearing loose clothing.</i>	<i>Yes</i>	<i>The manufacturer has contained most moving parts within the main body of the unit. Other moving parts have been guarded or warning decals are placed near the items.</i>	<i>Management should ensure that the person working upon the moving mechanical parts is instructed to wear close fitting clothing</i>	<i>Yes</i>	<i>Yes</i>

RISK ASSESSMENT OF PLANT.

PAGE NO. 50 PLANT DESCRIPTION *Self Propelled Articulating Boom Type E.W.P.* POWER SOURCE. *Petrol* ORGANISATION *ASPAC Group*
DATE OF ASSESSMENT *05.02.2014* MODEL. *Zeus 18.93.*
ASSESSMENT CONDUCTED BY *All Crane & Hoist* RISK ASSESSMENT METHOD USED *Visual Inspection.* ADDRESS. *3/84 Hallam South Road*
Consulting & Inspection Services. *Hallam. Vic 3803*

No.	Hazard Identified (Describe the situation or parts of plant which could rise to injury or illness).	Is there any risk?		Where there is a risk, describe the proposed risk control measure.	Are the risk control measures practicable.	
		<u>Yes.</u>	<u>No.</u> (Describe the control measures already implemented to address the hazard).		<u>Yes.</u>	<u>No</u>
	<i>Persons could be injured if the electrical wiring is modified.</i>	<i>Yes</i>		<i>Management should ensure that the operator is instructed not to modify or permit any other person to modify the electrical wiring within the unit.</i>	<i>Yes</i>	
	<i>Persons could be injured while being under the E.W.P. Boom while work is being carried out on the unit.</i>	<i>Yes</i>		<i>Management should ensure that the operator is instructed to ensure that no persons go under the E.W.P. Boom or platform while work is being carried out on the machine.</i>	<i>Yes</i>	
	<i>Persons could be injured if liquids used to clean the unit are flammable.</i>	<i>Yes</i>		<i>Management should ensure that the operator is instructed not to use flammable liquids to clean the unit.</i>	<i>Yes</i>	
	<i>Persons could be injured if the unit is being cleaned with compressed air or pressurised jets of water.</i>	<i>Yes</i>		<i>Management should ensure that the operator is instructed to ensure that all persons are evacuated from the area and that he/she should wear safety glasses and a protective face mask while using pressurised cleaning equipment.</i>	<i>Yes</i>	

RISK ASSESSMENT OF PLANT.

PAGE NO. 51 PLANT DESCRIPTION *Self Propelled Articulating Boom Type E.W.P.* POWER SOURCE. *Petrol* ORGANISATION *ASPAC Group*
DATE OF ASSESSMENT *05.02.2014* MODEL. *Zeus 18.93.*
ASSESSMENT CONDUCTED BY *All Crane & Hoist* RISK ASSESSMENT METHOD USED *Visual Inspection.* ADDRESS. *3/84 Hallam South Road*
Consulting & Inspection Services. *Hallam. Vic 3803*

No.	Hazard Identified (Describe the situation or parts of plant which could rise to injury or illness).	Is there any risk?		Where there is a risk, describe the proposed risk control measure.	Are the risk control measures practicable.	
		<u>Yes.</u>	<u>No.</u> (Describe the control measures already implemented to address the hazard).		<u>Yes.</u>	<u>No</u>
	<i>Persons could be injured if the unit is operating and maintenance personnel are required to work on the machine in an emergency.</i>	<i>Yes</i>		<i>Management should ensure that the operator is trained in the use of the emergency stop button.</i>	<i>Yes</i>	
	<i>Persons could be injured while repairs or service work is being carried out on the machine..</i>	<i>Yes</i>		<i>Management should ensure that the operator is instructed to ensure that no person remains on the platform while work is being carried out on the machine.</i>	<i>Yes</i>	
	<i>Persons could be injured if splashed with battery acid.</i>	<i>Yes</i>		<i>Management should ensure that the operator is instructed to ensure that the battery pack always remains in an upright position.</i>	<i>Yes</i>	
	<i>Persons could be injured by an explosion caused by a battery charger unit disconnection.</i>	<i>Yes</i>		<i>Management should ensure that the operator is instructed to ensure that the battery charger is switched off prior to disconnecting output wires to the battery.</i>	<i>Yes</i>	

RISK ASSESSMENT OF PLANT.

PAGE NO. 52 PLANT DESCRIPTION *Self Propelled Articulating Boom Type E.W.P.* POWER SOURCE. *Petrol* ORGANISATION *ASPAC Group*
DATE OF ASSESSMENT *05.02.2014* MODEL. *Zeus 18.93.*
ASSESSMENT CONDUCTED BY *All Crane & Hoist* RISK ASSESSMENT METHOD USED *Visual Inspection.* ADDRESS. *3/84 Hallam South Road*
Consulting & Inspection Services. *Hallam. Vic 3803*

No.	Hazard Identified (Describe the situation or parts of plant which could rise to injury or illness).	Is there any risk?		Where there is a risk, describe the proposed risk control measure.	Are the risk control measures practicable.	
		<u>Yes.</u>	<u>No.</u> (Describe the control measures already implemented to address the hazard).		<u>Yes.</u>	<u>No</u>
	<i>Persons could be injured if the machine is towed.</i>	<i>Yes</i>	<i>The manufacturer does not recommend the towing of the machine.</i>		<i>Yes</i>	
	<i>Persons could be injured if the machine is loaded onto a truck, trailer or float that is not of adequate size, proportion or strength to safely support and carry the machine.</i>	<i>Yes</i>	<i>The manufacturer has specified the weight of the unit in the operators manual.</i>	<i>Management should ensure that the machine operator is instructed to establish with a supervisor that the vehicle upon which the machine is to be loaded is suitable and safe prior to loading. The mass of the machine should be clearly nominated in a prominent position.</i>	<i>Yes</i> <i>Yes</i>	
	<i>Persons could be injured if part of the machines wheels or the chassis overhang the side of the truck, trailer or float.</i>	<i>Yes</i>		<i>Management should ensure that the machine operator or the supervisor are instructed to arrange with the carrier for appropriate measures to be taken regarding the overhang e.g. flags or escort.</i>	<i>Yes</i>	
	<i>Persons could be injured if the transport vehicle moved at the time of loading.</i>	<i>Yes</i>		<i>Management should ensure that the operator is instructed to ensure that the transport vehicle is parked on a level surface and secured to prevent movement during loading.</i>	<i>Yes</i>	

RISK ASSESSMENT OF PLANT.

PAGE NO. 53 PLANT DESCRIPTION *Self Propelled Articulating Boom Type E.W.P.* POWER SOURCE. *Petrol* ORGANISATION *ASPAC Group*
DATE OF ASSESSMENT *05.02.2014* MODEL. *Zeus 18.93.*
ASSESSMENT CONDUCTED BY *All Crane & Hoist* RISK ASSESSMENT METHOD USED *Visual Inspection.* ADDRESS. *3/84 Hallam South Road*
Consulting & Inspection Services. *Hallam. Vic 3803*

No.	Hazard Identified (Describe the situation or parts of plant which could rise to injury or illness).	Is there any risk?		Where there is a risk, describe the proposed risk control measure.	Are the risk control measures practicable.	
		<u>Yes.</u>	<u>No.</u> (Describe the control measures already implemented to address the hazard).		<u>Yes.</u>	<u>No</u>
	<i>Persons could be injured if the machine is unloaded from a truck or float onto a soft or unsafe surface.</i>	<i>Yes</i>		<i>Management should ensure that the machine operator, the supervisor or an engineer are instructed to check the terrain or the surface upon which the machine will be unloaded upon for strength and solidity.</i>	<i>Yes</i>	
	<i>Persons could be injured if the machine was loaded or unloaded on or off a truck, trailer or float at high speed.</i>	<i>Yes</i>		<i>Management should ensure that the machine operator is instructed to travel up and down ramps at slow speed while exercising caution.</i>	<i>Yes</i>	
	<i>Persons could be injured if the E.W.P. was not properly restrained during transport.</i>	<i>Yes</i>	<i>The manufacturer has nominated the tie down point positions within the operators manual.</i>	<i>Management should ensure that the operator is instructed to ensure that the unit is secured onto the transport unit.</i>	<i>Yes</i> <i>Yes</i>	
	<i>Persons could be injured if the machine is incorrectly loaded on a ramp to a truck, trailer or float.</i>	<i>Yes</i>	<i>The manufacturer has nominated the maximum gradeability of the machine.</i>	<i>Management should ensure that the machine operator is instructed to ensure that the angle of the ramp is not excessive and that the machine faces in the direction as set out by the manufacturer in the operator's manual.</i>	<i>Yes</i> <i>Yes</i>	

RISK ASSESSMENT OF PLANT.

PAGE NO. 54 PLANT DESCRIPTION *Self Propelled Articulating Boom Type E.W.P.* POWER SOURCE. *Petrol* ORGANISATION *ASPAC Group*
DATE OF ASSESSMENT *05.02.2014* MODEL. *Zeus 18,93.*
ASSESSMENT CONDUCTED BY *All Crane & Hoist* RISK ASSESSMENT METHOD USED *Visual Inspection.* ADDRESS. *3/84 Hallam South Road*
Consulting & Inspection Services. *Hallam. Vic 3803*

Hazard Identified (Describe the situation or parts of plant which could rise to injury or illness).	Is there any risk?		Where there is a risk, describe the proposed risk control measure.	Are the risk control measures practicable.	
	<u>Yes.</u>	<u>No.</u> (Describe the control measures already implemented to address the hazard).		<u>Yes.</u>	<u>No</u>
<i>Persons could be injured if struck by loose items falling off the machine while it is being loaded onto a transport vehicle.</i>	<i>Yes</i>		<i>Management should ensure that the operator is instructed to ensure that all loose items are removed from the basket prior to loading it onto a transport vehicle.</i>	<i>Yes</i>	
<i>Persons could be injured while the machine is being loaded onto a float or trailer and it becomes unstable.</i>	<i>Yes</i>		<i>Management should ensure that the operator is instructed to ensure that the work procedure as set out in the operator's manual for loading the machine is strictly adhered to.</i>	<i>Yes</i>	
<i>Persons could be injured by movement of the boom while the machine is being loaded onto a transport vehicle.</i>	<i>Yes</i>	<i>The manufacturer has provided a slew locking device.</i>	<i>Management should ensure that the operator is instructed to ensure that the pedestal is restrained prior to loading onto a transport vehicle.</i>	<i>Yes</i> <i>Yes</i>	
<i>Persons could be injured if the machine is loaded or unloaded on or off a truck, trailer or float in an uncontrolled manner.</i>	<i>Yes</i>		<i>Management should ensure that the machine operator is instructed to load or unload the machine only under the direction of a competent guide.</i>	<i>Yes</i>	

RISK ASSESSMENT OF PLANT.

PAGE NO. 55 PLANT DESCRIPTION *Self Propelled Articulating Boom Type E.W.P.* POWER SOURCE. *Petrol* ORGANISATION *ASPAC Group*
DATE OF ASSESSMENT *05.02.2014* MODEL. *Zeus 18.93.*
ASSESSMENT CONDUCTED BY *All Crane & Hoist Consulting & Inspection Services.* RISK ASSESSMENT METHOD USED *Visual Inspection.* ADDRESS. *3/84 Hallam South Road Hallam. Vic 3803*

No.	Hazard Identified (Describe the situation or parts of plant which could rise to injury or illness).	Is there any risk?		Where there is a risk, describe the proposed risk control measure.	Are the risk control measures practicable.	
		<u>Yes.</u>	<u>No.</u> (Describe the control measures already implemented to address the hazard).		<u>Yes.</u>	<u>No</u>
	<i>Persons could be injured if the machine is being loaded or unloaded on or off a truck, trailer or float in a public area.</i>	<i>Yes</i>		<i>Management should ensure that the machine operator is instructed to set up notices, witches hats and barricades to divert and warn oncoming traffic. A flagman should also be provided.</i>	<i>Yes</i>	
	<i>Persons could be injured if the machine was raised or lowered to or from a higher level, or a truck by an incompetent person using a crane.</i>	<i>Yes</i>		<i>Management should ensure that the operator of the crane is instructed not to use the crane unless he/she is the holder of an appropriate Certificate of Competency to operate that crane.</i>	<i>Yes</i>	
	<i>Persons could be injured if the machine was dropped from a crane while being suspended due to incorrect slinging.</i>	<i>Yes</i>	<i>The manufacturer has nominated the lifting point locations within the operators manual.</i>	<i>Management should ensure that the operator/carrier is trained in the correct method of preparing the machine to be lifted. If the slings are to be selected by him/her and the method of slinging has not been pre-determined, he/she should be the holder of a Certificate to operate as a Dogman.</i>	<i>Yes</i>	<i>Yes</i>
	<i>Persons could be injured if the weight of the machine exceeded the capacity of the crane attempting to raise or lower it due to insufficient information regarding its weight.</i>	<i>Yes</i>	<i>The manufacturer has specified the machines weight within the operators manual and upon the specification plate of the E.W.P..</i>	<i>Management should ensure that the operator/carrier is advised of the location of the specification plate and the mass (weight) of the machine.</i>	<i>Yes</i>	<i>Yes</i>
	<i>Persons could be injured if the capacity of the crane lifting the machine was insufficient.</i>	<i>Yes</i>	<i>The manufacturer has specified the machines weight within the operators manual and upon the specification plate of the E.W.P..</i>	<i>Management should ensure that the crane has a load chart setting out its correct capacity.</i>	<i>Yes</i>	<i>Yes</i>

**ASPAC GROUP'S OCCUPATIONAL HEALTH & SAFETY
POLICY
IN BRIEF TERMS
MEANS
“HEALTH & SAFETY FIRST”.**

As “Health & Safety First” is our prime policy we have not classified the identified Risks into high and low level risks.

We have considered all risks as being high level risks and have treated them accordingly while preparing “Methods of Control” for these Risks.

ASPAC GROUP.

RISK ASSESSMENT**ASPAC Group****3/84 Hallam South Road****Hallam. Victoria. 3803.****PLANT DESCRIPTION.** *Self Propelled Articulating Type E.W.P.***MODEL TYPES.** *Bluelift - Zeus 18.93***DATE OF ASSESSMENT.** *05.02.2014***ASSESSMENT CONDUCTED BY.** *All Crane & Hoist Consulting***RISK ASSESSMENT METHOD USED.** *Visual Inspection.**& Inspection Services.*

<u>THE IDENTIFIED HAZARD</u>	<u>RISK.</u>		<u>THE PROPOSED METHOD OF CONTROL MEASURE</u>	<u>ARE THE RISK CONTROLS METHODS PRACTICAL.</u>	
	<u>YES</u>	<u>NO</u>		<u>YES</u>	<u>NO</u>
<i>Persons could be injured or injure others when operating the Boom Type E.W.P. without sufficient instruction, training and information.</i>	<i>Yes</i>		<i>Having obtained all the relevant information regarding the machine and its functions management should ensure that the E.W.P. operator is thoroughly trained in its safe operation. The operator must hold an appropriately endorsed National Certificate of Competency. Training should be reviewed and revision recorded.</i>	<i>Yes</i>	
<i>Persons could be injured if a poor system of work in relation to the operation of this machine is being followed.</i>	<i>Yes</i>		<i>Management should ensure that a system of work based on the E.W.P. manufacturers operating instructions is prepared and adhered to by the operator at all times.</i>	<i>Yes</i>	
<i>Persons could be injured if they were unable to return to ground level by the normal method of operating the machine</i>	<i>Yes</i>		<i>Management should ensure that the operator is instructed regarding the operation of the emergency lowering devices and their locations.</i>	<i>Yes</i>	
<i>Persons could be injured if a machine that has a "DANGER DO NOT USE" tag attached is operated.</i>	<i>Yes</i>		<i>A "DANGER DO NOT USE" sign should be attached to the E.W.P. by an authorised person, signed and dated. Management should ensure that the operator is instructed that while such tags are attached to the machine it must not be used until the tag is removed by a suitably qualified person..</i>	<i>Yes</i>	
<i>Persons could be injured if the E.W.P. basket is used to exceed its nominated M.R.C. (maximum rated capacity) in either of the "work selected" ranges.</i>	<i>Yes</i>		<i>Management should ensure that the operator is instructed to ensure that the M.R.C. .of the elevated work platform is not exceeded. The weight of all people, tools and materials must be considered at all times. The operator should monitor the indicator light before proceeding with operations.</i>	<i>Yes</i>	
<i>Persons could be injured if the number of persons in the basket exceed the manufacturers recommendations.</i>	<i>Yes</i>		<i>Management should ensure that the operator is instructed to ensure that the manufacturers recommendation is adhered to and that the load ratings are followed at all times. The operator must be advised as to the operation of the "work selector" switch.</i>	<i>Yes</i>	
<i>Persons could be injured if they were not restrained from falling from the basket.</i>	<i>Yes</i>		<i>Management should ensure that the operator is instructed to ensure that all persons wear and attach approved safety harnesses at all times while being within the basket..</i>	<i>Yes</i>	

<u>THE IDENTIFIED HAZARD</u>	<u>RISK.</u>		<u>THE PROPOSED METHOD OF CONTROL MEASURE</u>	<u>ARE THE RISK CONTROL METHODS PRACTICAL.</u>	
	<u>YES</u>	<u>NO</u>		<u>YES</u>	<u>NO</u>
<i>Persons could be injured if the parked machine was started and/or operated by an unauthorised person/s.</i>	Yes		<i>Management should ensure that the operator is instructed to ensure that upon leaving the machine he/she should take the keys with him/her.</i>	Yes	
<i>Persons could be injured if any of the Boom Type E.W.P's. limits or safety devices are disabled.</i>	Yes		<i>Management should ensure that the operator is instructed to check that all limits and safety devices are functioning correctly prior to commencing operations. The result of the inspection should be recorded in the maintenance/log book.</i>	Yes	
<i>Persons could be injured if the Boom Type E.W.P. tips over due to items being placed against the unit.</i>	Yes		<i>Management should ensure that the operator is instructed not to allow items such as ladders etc to be placed against the boom, basket or any other part of the machine.</i>	Yes	
<i>Persons could be injured by live electrical conductors on overhead power line poles if the E.W.P. is near them while in operating mode.</i>	Yes		<i>Management should ensure that the operator is instructed to ensure that the minimum clearance between a E.W.P. while in operating mode and overhead power lines on poles is 3m below and on each side . Any part of the E.W.P. or its components are not permitted anywhere above the power lines. A certificated spotter is required for the sole task of observing and warning against any unsafe approach to the power lines and any other electrical apparatus between 3m and 6.4m of power pole lines. Sway and sag of lines must be considered.</i>	Yes	
<i>Persons could be injured by live electrical conductors on overhead power line towers if the E.W.P. is near them while in operating mode.</i>	Yes		<i>Management should ensure that the operator is instructed to ensure that the minimum clearance between a E.W.P. while in operating mode and overhead power lines on towers is 8m below and on each side . Any part of the E.W.P. or its components are not permitted anywhere above the power lines. A certificated spotter is required for the sole task of observing and warning against any unsafe approach to the power lines and any other electrical apparatus between 8m and 10m of tower power lines. Sway and sag of lines must be considered.</i>	Yes	
<i>Persons could be injured if additional height reaching equipment (ladders, boxes etc) is used to provide additional reach for workers within the basket area.</i>	Yes		<i>Management should ensure that the operator is instructed to ensure that the machine is positioned in such a manner that all work may be completed with both his/her feet on the basket floor.</i>	Yes	
<i>Persons could be injured if the E.W.P. is used to drag a load by raising the boom.</i>	Yes		<i>Management should ensure that the operator is instructed that the E.W.P. is for personnel use only and must not be used for any other purpose.</i>	Yes	

NOTE. All risks are considered to be major risks.

This document sets out a list of risks which Aspac Grpup believe should be brought to the operator's attention on site. It is an extract from our complete Risk Assessment which also includes technical and design criteria which may be of little interest to the operator.