

**RISK ASSESSMENT**  
**MONITOR INDUSTRIES.**  
**143 Gunnedah Highway**  
**Tamworth. N.S.W. 2348.**

**PLANT DESCRIPTION.** *Self Propelled Articulated Boom Type E.W.P.*  
**MODEL TYPE.** *Platform Basket Model Spider 18.90*

**DATE OF ASSESSMENT.** *18.05.17* **ASSESSMENT CONDUCTED BY.** *All Crane & Hoist Consulting & Inspection Services.*  
**RISK ASSESSMENT METHOD USED.** *Visual Inspection.*

<b><u>THE IDENTIFIED HAZARD</u></b>	<b><u>RISK.</u></b>		<b><u>THE PROPOSED METHOD OF CONTROL MEASURE</u></b>	<b><u>ARE THE RISK CONTROLS METHODS PRACTICAL.</u></b>	
	<b><u>YES</u></b>	<b><u>NO</u></b>		<b><u>YES</u></b>	<b><u>NO</u></b>
<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).</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.</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 three different work zones.</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>	

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	<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 Monitor Industries 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.