

CELA TELJ-40 PLANT RISK ASSESSMENT ANMEL UNIT 401

Document Control
Document No: ANM.40
Issue No: 001
Issue Date: Oct 2016

PAGE NO: 1

PLANT DESCRIPTION: CELA TELJ -40 AERIALWORK PLATFORMS

No.	Hazard Identified (Describe the situation or parts of plant which could give rise to injury or illness).	(D	s there any risk? (Yes or No) escribe the control measures already mented to address the hazard).	Where there is a risk, describe the proposed risk control measure.	Are the risk control measures practicable? (Yes or No)		Implementation Date for the practicable risk control measures. (Modifications and Certification prior to use).
1	ENTANGLEMENT. Persons could be injured or injure others when operating the unit without sufficient guarding over or around the plant.	No	Engine and pumps are fully enclosed and access doors have latches fitted.		Yes		All door latches to be checked prior to each operation.
2	CRUSHING. Persons could be injured by material falling off the plant.	Yes		Materials on the plant are to be properly secured at all times. E.W.P platform is fitted with two mid iron rails and a kick board around the perimeter of the platform and a spring closing gate as per as 1418.10-2011.	Yes		Prior to use.
3	Uncontrolled or unexpected movement of the plant or its load could injure persons.	Yes	All control levers and actuators are to be clearly marked as to their functions as per clause 1.15 of AS 1418.10-2011.	Instruct the operator to read the operations manual and fully understand its meaning. The operator must be fully trained in the safe use of this plant.	Yes		Prior to use.
4	Persons could be injured if access to or egress from the platform is attempted with the platform raised.	Yes		Personnel must not attempt to access or egress the platform unless the platform is in its fully lowered position. A fully trained and competent operator must operate the plant.	Yes		Prior to use.

Document Control RISK ASSESSMENT OF PLANT

Document Control

Document No: ANM.40

Issue No: 001
Issue Date: Oct 2016

PAGE NO: 2 PLANT DESCRIPTION: CELA TELJ -40 AERIALWORK PLATFORMS

No.	Hazard Identified (Describe the situation or parts of plant which could give rise to injury or illness).	(E	es there any risk? (Yes or No) Describe the control measures already emented to address the hazard).	Where there is a risk, describe the proposed risk control measure.	measu	the risk control ares practicable? Yes or No)	Implementation Date for the practicable risk control measures. (Modifications and Certification prior to use).
5	CRUSHING. Cont. Uncontrolled movement of the plant could injure persons.	Yes	Emergency stop buttons are fitted to both upper and lower controls to isolate the plants motion. When upper control panel is in use the lower panel must be isolated. The park brake is to be engaged when stationary, the service brake is to be used when in service. Plant will not to operate unless both emergency stop buttons are reset.	Instruct the operator to read the operations manual and fully understand its meaning. If any function of the plant is faulty the operator is to place a "DO NOT OPERATE" tag on both upper and lower controls. The fault is to be noted in the logbook fitted to the plant and the project supervisor notified.	Yes		Prior to supply Prior to use

Document Control
Document No: ANM.40
Issue No: 001
Issue Date: Oct 2016

PAGE NO: 3

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6	Persons could be injured if there is a lack of capacity for the plant to be slowed, stopped or immobilised.	Yes	Travel drive automatically brakes and deaccelerates when the operator releases the travel control lever to the neutral position.		Yes		Prior to supply
7	Persons could be injured if the plant topples or rolls over.	Yes	Safety alarm is fitted to warn the operator of the plant being three degrees out of level. Plant is to be used only on firm level ground. Plant is clearly marked with its safe working load	Instruct the operator to read the operations manual and fully understand its meaning. The operator must be fully trained and competent.	Yes		Prior to use.

Document Control
Document No: ANM.40
Issue No: 001
Issue Date: Oct 2016

PAGE NO: 4

No.	Hazard Identified (Describe the situation or parts of plant which could give rise to injury or illness).	(De	there any risk? (Yes or No) escribe the control neasures already nented to address the hazard).	Where there is a risk, describe the proposed risk control measure.	Are the risk control measures practicable? (Yes or No)		Implementation Date for the practicable risk control measures. (Modifications and Certification prior to use).
7 cont	Persons could be injured if the plant topples or rolls over.	Yes	The plant is fitted with a safety level cut out which restricts travel height of the platform either by automatic speed reduction or stopping of travel drive.		Yes		Prior to supply
8	Persons could be injured if the plant topples or rolls over.	Yes	Interlocking is fitted, if both the platform raise and travel drive are operated simultaneously machine stops.	Instruct the operator to read the operations manual and fully understand its meaning.	Yes		Prior to supply and use.
9	Persons could be injured if the plant topples or rolls over.	Yes	Stability test to be conducted to clause 1.12.2 of AS 1418.10-2011.		Yes		Prior to supply.

Document Control
Document No: ANM.40
Issue No: 001
Issue Date: Oct 2016

PAGE NO: 5

No.	Hazard Identified (Describe the situation or parts of plant which could give rise to injury or illness).	(De	there any risk? (Yes or No) escribe the control heasures already hented to address the hazard).	Where there is a risk, describe the proposed risk control measure.	Are the risk control measures practicable? (Yes or No)		Implementation Date for the practicable risk control measures. (Modifications and Certification prior to use).
10	Persons could be injured if the plant topples or rolls over.	Yes	Functional test to be conducted to clause 1.12.4 of AS1418.10-2011.Ground conditions to be assessed prior to operation.		Yes		Prior to supply
11	Persons could be injured if the plant topples or rolls over.	Yes	A computer safety system is installed and tested.		Yes		Prior to supply
12	Persons could be injured if the plant topples or rolls over.	Yes	Wind loading to be accounted for by an engineer in accordance with AS1418.10-2011.		Yes		Prior to supply
13	Persons could be injured if parts of the plant collapse.	Yes	E.W.P. designed and manufactured to AS 1418.10-2011 and maintained and operated as per AS 2550.10-2006	Structural test to be conducted to clause 1.12.3 of AS1418.10-2011.	Yes		Prior to supply.

Document Control
Document No: ANM.40
Issue No: 001
Issue Date: Oct 2016

PAGE NO: 6

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14	Persons could be injured during repairs, cleaning, inspection and or maintenance of the plant.	Yes		Turn off and isolate the plant prior to any maintenance or servicing. All service work is to be performed by a fully trained and competent person.			Prior to any repair or service work to the plant.
15	Persons could be injured if they are thrown off or under the plant.	Yes	Plant is fitted with full perimeter, full height rails and kicks boards, entry gates are durable and are either spring or gravity closing, with latching as per AS 1418.10-2011.				Prior to supply

Document Control
Document No: ANM.40
Issue No: 001
Issue Date: Oct 2016

PAGE NO: 7

16	Persons could be injured if they are trapped between the plant and materials or fixed structures.	Yes	The plant is fitted with a warning device, which activates when either lift or travel operation are selected.	The work area of the plant is to be isolated from entry of persons. Safety barriers are to be used where practical.			Prior to operation.
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17	Persons could be injured by highpressure hydraulic fluid due to plant failure or misuse of plant.	Yes	,	The operator must be fully trained in the safe operation of the plant and complete daily checklist in plant logbook.			Prior to use.
18	Persons could be injured if the plant contacts live electrical conductors.	Yes	Warning signs are fitted to plant advising operator of minimum safe working distances.	Instruct the operator to read all safetywarning signs and fully understand their meaning.			Prior to operation.
19	Persons could be injured if electrical tools they are using on the platform to perform tasks are faulty.	Yes		All electrical tools and cables are to be earth leak tested and tagged. All power supply outlets to power tools are to have a residual safety device fitted.			Prior to use of power tools.
20	Damaged electrical switches could injure persons.	Yes	Low ampere, low voltage controls are protected by plastic covers and rubber seals				Prior to supply.

Document Control
Document No: ANM.40
Issue No: 001
Issue Date: Oct 2016

PAGE NO: 8

21	Persons could be injured if they slip or	Yes	Access steps and		Prior to supply.
	trip on uneven work surfaces.		truck deck has		
			nonskid grit		
			surfaces.		

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22	Persons could be injured if the plant is operated in an area, which is cluttered with rubbish or industrial waste.	Yes	Work area must be free of any obstacles .The work areas housekeeping is the responsibility of the site foreman.				Prior to operation.
23	Persons could be injured due to the collapse of the support structure.	Yes	Plant is marked with its gross weight and carrying capacity.	If the plant is operated on a suspended floor verification by engineers computation prior to use is required taking into account static and dynamic factors and surfaces bearing pressure, to ensure safe working loads of support structure are not exceeded.	Yes		Prior to operation.
24	Persons could be injured due to poorly designed seating.	No	Full mobility around platform. Quality seating provided.				

Document Control
Document No: ANM.40
Issue No: 001

Issue Date: Oct 2016

PAGE NO: 9

25	Persons could be injured due to	No	Controls are easily	Yes	Prior to supply.	
	constrained or repetitive body movement.		accessed and			
			ergonomically			
			arranged and do not			
			require excessive			
			force.			

Document Control
Document No: ANM.40
Issue No: 001
Issue Date: Oct 2016

PAGE NO: 10 PLANT DESCRIPTION: CELA TELJ -40 AERIALWORK PLATFORMS

No.	Hazard Identified (Describe the situation or parts of plant which could give rise to injury or illness).	(De	escribe the control measures already mented to address the hazard).	Where there is a risk, describe the proposed risk control measure.	Are the risk control measures practicable? (Yes or No)		Implementation Date for the practicable risk control measures. (Modifications and Certification prior to use).
26	Persons could be injured if operating the plant in a poorly lit work area.	Yes		Lighting for the work area to be assessed by the supervisor prior to and during operation of the plant.	Yes		Prior to commencement of and during operation of the plant.
27	Persons could be injured due to lack of consideration given to human error or human behaviour.	No	Controls are clearly labelled and are not cluttered.				Prior to supply.
28	Persons could be injured due to a mismatch of the plant with human traits and natural limitations.	Yes		Work site supervisor is to provide an open work environment designed to accommodate operators and equipment.			Prior to operation of plant.
29	Persons could be injured if a fire risk exists.	Yes		Operators and workers are to wear full fire protective clothing where fire risk exists.	Yes		Prior to use.
30	Persons could be injured or suffer ill health from exposure to chemicals and toxic gasses or vapours.	Yes		Operators are to wear protective clothing where chemical, gas or vapour risks exist.	Yes.		Prior to use.
31	Persons could be injured if working in a dusty environment.	Yes		Appropriate clothing and masking to be worn in dusty working environments.	Yes.		Prior to use.

Document Control
Document No: ANM.40
Issue No: 001
Issue Date: Oct 2016

PAGE NO: 11

No.	Hazard Identified (Describe the situation or parts of plant which could give rise to injury or illness).	(De	es there any risk? (Yes or No) escribe the control measures already mented to address the hazard).	Where there is a risk, describe the proposed risk control measure.	Are the risk control measures practicable? (Yes or No)		Implementation Date for the practicable risk control measures. (Modifications and Certification prior to use).
32	Persons could be injured or become ill due to exhaust fumes from diesel or petrol powered plant.	Yes.	Exhaust fumes are directed away from operator platform. Machine is to be operated in a wellventilated area only.		Yes.		Prior to supply and during operation of plant.
33	Persons may be injured while working or being close to mechanical or moving parts while having long hair.	Yes	Guarding has been provided.		Yes		Prior to supply Prior to use.
34	Persons could be injured if the operator hands slipped off the controls.	Yes		Instruct the driver to ensure that his hands are dry at all times.	Yes		Prior to use.
35	Persons could be injured if the operator does not understand the machine he/she is operating.	Yes		Train the operator to fully understand the machine and instructions. Insure that he/she reads and thoroughly understands the operation and instruction manual.	Yes		Prior to use.
36	Persons could be injured if working in a radioactive environment.	Yes.		No work is to be performed in radioactive environments.	Yes.		No use.
37	Persons could be injured if the operator is under the influence of alcohol or drugs.	Yes		Instruct the operator that he must report to his supervisor if he is under the influence of alcohol or drugs.	Yes		Prior to use.

Document Control
Document No: ANM.40
Issue No: 001
Issue Date: Oct 2016

PAGE NO: 12

No.	Hazard Identified (Describe the situation or parts of plant which could give rise to injury or illness).	(De m	there any risk? (Yes or No) escribe the control leasures already mented to address the hazard).	Where there is a risk, describe the proposed risk control measure.	Are the risk control measures practicable (Yes or No)		Implementation Date for the practicable risk control measures. (Modifications and Certification prior to use).
38	Persons could be injured if the operator's performance is inhibited by poor health or medication with side effects.	Yes		Instruct the operator that he must report to his supervisor if he is suffering poor health and his safe operating performance could be affected.	Yes		Prior to use.
39	Persons could be injured if the operator's performance was inhibited by excessive fatigue.	Yes		Instruct the operator that he must report to his supervisor if he is suffering excessive fatigue and his safe operating performance could be affected.	Yes		Prior to use.
40	Persons could be injured if the maintenance and service personnel do not understand the workings of the machine.	Yes	Only qualified personnel maintain and service the machine.		Yes		Prior to use
41	Persons could be injured if the operator does not understand the instruction and warning plates and stickers mounted on the machine.	Yes		Ensure that all instructions, warning plates and stickers are clearly legible and in English. International Danger signs are acceptable.	Yes		Prior to supply
42	Persons could be injured if somebody is smoking while re-fuelling or checking the battery.	Yes		"No Smoking" signs should be installed at all re-fuelling areas which must be well ventilated. Instruct the operator to refrain from smoking while attending to the machines requirements and switch off the engine.	Yes		Prior to use.

Document Control
Document No: ANM.40
Issue No: 001
Issue Date: Oct 2016

PAGE NO: 13 PLANT DESCRIPTION: CELA TELJ -40 AERIALWORK PLATFORMS

No.	Hazard Identified (Describe the situation or parts of plant	Is	there any risk? (Yes or No)	Where there is a risk, describe the proposed risk control measure.	Are the risk control measures practicable? (Yes or No)		Implementation Date for the practicable risk control
	(Describe the situation or parts of plant which could give rise to injury or illness).	(= 133111	e the control measures already nented to address the hazard).				measures. (Modifications and Certification prior to use).
43	The operator could be injured due to the leakage of diesel or petrol from a relevant machine.	Yes		The operator shall make regular inspections and have any fuel leaks repaired before continuing operation.	Yes		Prior to use.
44	Persons could be injured due to acid splash or fumes from batteries.	Yes	Batteries are enclosed under cover.		Yes		Prior to supply.
45	Stepping into the path of the moving machine could injure persons.	Yes	A horn has been installed.		Yes		Prior to use.
46	Stunt driving and horseplay could injure persons.	Yes		The operator must be instructed to behave responsibly and not to indulge in any unwarranted actions.	Yes		Prior to use.
47	A machine could injure persons with a day dreaming operator who is not concentrating.	Yes		The operator must be instructed to stay alert and concentrate on his driving at all times.	Yes		Prior to use.
48	A machine skidding in wet or slippery conditions could injure persons.	Yes		The driver must be instructed to drive slowly and exercise caution.	Yes		Prior to use.
49	Persons could be injured when the machine starts moving.	Yes		A beacon-flashing device should be installed on the machine. The operator must be trained to look carefully about before moving.	Yes		Prior to use.

Document Control
Document No: ANM.40
Issue No: 001
Issue Date: Oct 2016

PAGE NO: 14

50	The machine colliding with another	Yes	The operator must be instructed to drive	Yes	Prior to use.
	vehicle could injure persons.		at a safe distance from other vehicles		
			and always remain in constant control.		

Document Control
Document No: ANM.40
Issue No: 001
Issue Date: Oct 2016

PAGE NO: 15 PLANT DESCRIPTION: CELA TELJ -40 AERIALWORK PLATFORMS

No.	Hazard Identified (Describe the situation or parts of plant which could give rise to injury or illness).	(Describe	here any risk? (Yes or No) the control measures already ented to address the	Where there is a risk, describe the proposed risk control measure.	measures	risk control s practicable? es or No)	Implementation Date for the practicable risk control measures. (Modifications and Certification prior to use).
51	Persons could be injured if the machine	Yes	hazard).	Instruct the operator that driving up or	Yes		Prior to use.
	is driven up or down a ramp on an angle.			down a ramp on an angle is prohibited.			
52	While operating on an incline, a load could tip the machine over and injure persons.	Yes		The operator must be instructed to check the surface and use caution particularly prior to elevating a load. The machine is not designed to operate on an incline- only upon solid level ground.	Yes		Prior to use.
53	Persons could be injured while travelling as a passenger on the machine.	Yes		Instruct the operator to refuse admission to passengers on any part of the machine. OTHER THAN THE DRIVERS CABIN	Yes		Prior to supply.
54	The parked machine could injure persons.	Yes		Instruct the operator to park the machine without any load upon the DECK and its boom lowered (if possible) with the slew and hoist brakes applied. Turn the engine off. Remove the keys from the ignition and leave the controls in neutral. Lock the CONTROL PANELS.	Yes		Prior to use.

Document Control
Document No: ANM.40
Issue No: 001
Issue Date: Oct 2016

PAGE NO: 16 PLANT DESCRIPTION: CELA TELJ -40 AERIALWORK PLATFORMS

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55	Persons could be injured by circumstances developed when the driver needs to slew or reverse in areas of restricted visibility.	Yes		Instruct the operator to use a dogman OR SPOTTER when visibility is restricted.	Yes		Prior to use.
56	Persons could be injured by circumstances developed when the driver cannot see ahead when travelling up a ramp.	Yes		Instruct the operator to use a dogman OR SPOTTER when travelling up and down a ramp or hill.	Yes		Prior to use.
57	The machine could injure persons when it is operating on a public road.	Yes		Instruct the operator to ensure that the barricades and/or a flagman is present.	Yes		Prior to use.
58	Persons could be entangled in unguarded drives.	Yes	Open drives are adequately guarded within the machinery house.		Yes		Prior to supply.
59	Persons could be injured if a part of the machinery becomes disassembled.	Yes	All fittings and rails are bolted down	Instruct the driver to ensure that all machine guards are in place.	Yes		Prior to use.
60	Persons could be crushed by the boom and or jib dropping during maintenance.	Yes		Means to be provided to safely prop up the boom and/or jib while repairs or maintenance is being carried out. See the manual for the manufacturers recommendations.	Yes		Prior to use.

Document Control
Document No: ANM.40
Issue No: 001
Issue Date: Oct 2016

PAGE NO: 17 PLANT DESCRIPTION: CELA TELJ -40 AERIALWORK PLATFORMS

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61	Persons could be injured if tools or other items are left in the OPERATORS CONSOL and foul access to the action of specific controls.	Yes		Instruct the operator to ensure that the CONSOL is clean and tidy and any tools or other items are properly stored.	Yes		Prior to use.
62	Persons could be injured if the operator cannot reach or has no access to all controls.	Yes		Instruct the operator to ENSURE CLEAR ACCESS TO CONTROLS AT ALL TIMES prior to commencing work.	Yes		Prior to use.
63	Persons could be injured while departing the machine while it is in motion.	Yes		Instruct the operator not to jump from the MACHINE DURING OPERATION, use the stepping facilities provided. Steps and hand holds must be kept clear of oil, mud, etc.	Yes		Prior to use.
64	Persons could be injured while departing the machine while it is in motion.	Yes		Instruct the driver not to permit passengers and to ensure the machine is stationary before departing the MACHINE.	Yes		Prior to use.
65	Persons could be injured if the operator is unfamiliar with the area where he is working.	Yes		Instruct the operator regarding the surroundings where the machine is set up for operation.	Yes		Prior to use.

Document Control
Document No: ANM.40
Issue No: 001

Issue Date: Oct 2016

PAGE NO: 18

66	Persons could be injured if unauthorised	Yes	Instruct the operator to ensure that the	Yes	Prior to use.
	persons, equipment or vehicles move into		machines working area is either		
	the working area.		barricaded or some method of control is		
			provided to prevent the entry of		

Document Control
Document No: ANM.40
Issue No: 001
Issue Date: Oct 2016

PAGE NO: 19 PLANT DESCRIPTION: CELA TELJ -40 AERIALWORK PLATFORMS

DATE OF ASSESSMENT ASSESSMENT CONDUCTED BY:

Australian Crane & Machinery

RISK ASSESSMENT METHOD USED: Visual Inspection

Australian Crane & Machinery 42 Glenbarry Road CAMPBELLFIELD Vic 3061

No.	Hazard Identified (Describe the situation or parts of plant which could give rise to injury or illness).	Is there any risk? (Yes or No) (Describe the control measures already implemented to address the hazard).	Where there is a risk, describe the proposed risk control measure.	Are the risk control measures practicable? (Yes or No)	Implementation Date for the practicable risk control measures. (Modifications and Certification prior to use).
67	Persons could be injured if the machine is operating in close proximity to overhead powerlines.	Yes	Instruct the operator to request his 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.	Yes	Prior to use.
68	Persons could be injured if the load or the DECK or the boom fouls overhead installations.	Yes	Instruct the operator to familiarise himself with overhead installations in the workplace and to travel with the boom as low as possible when necessary.	Yes	Prior to use.
69	The machine being set up in close proximity to high-power electromagnetic wave emitters e.g. radio television transmitters could injure the operator.	Yes	Instruct the operator to ensure that his supervisor contacts the relevant authority or company and established safety before commencing work.	Yes	Prior to use.
70	Persons could be injured by a lightening strike.	Yes	The operator must be instructed to get OFF of the machine and keep away from it if thunder/lightning clouds approach the work area.	Yes	Prior to use.

Document Control
Document No: ANM.40
Issue No: 001
Issue Date: Oct 2016

PAGE NO: 20

,	71	Persons could be injured if the machine	Yes	Warning Notices ARE provided AT the	Yes	Prior to supply.
		makes contact with live electrical		operators CONTROL STATIONS. The		
		conductors.		operator should be instructed not to		
				operate near "live" wires.		

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72	Persons could be injured if the MACHINE is used to drag a load by raising the boom.	Yes	Instruct the operator DO NOT DRAG LOADS.	Yes	Prior to use.
73	Persons could be injured if the MACHINE is used to move or drag a load by slewing the BOOM.	Yes	Instruct the operator DO NOT DRAG LOADS.	Yes	Prior to use.
74	Persons could be injured if sunlight or bright lights in close proximity impair the operator's vision.	Yes	Instruct the operator to wear sunglasses or other form of suitable eye protection	Yes	Prior to use.
75	Persons could be injured if the operator is distracted from noise.	Yes	Instruct the operator to wear earmuffs or some other form of suitable ear protection.	Yes	Prior to use.
76	Persons could be injured if the MACHINE travelled over unsubstantial ground or near the edge of a ditch or some other form of hollow, a gap or excavation.	Yes	Instruct the operator to be guided by a SPOTTER while travelling. Enquires should be made to a supervisor or engineer regarding the condition of the machines supporting surface.	Yes	Prior to use.

Document Control
Document No: ANM.40
Issue No: 001
Issue Date: Oct 2016

PAGE NO: 21

'	77	Persons could be injured if the	Yes	Instruct the operator to be guided by a	Yes	Prior to use.
		MACHINE is travelled in areas where		SPOTTER and to travel carefully and		
		space is limited on rough ground and		slowly.		
		slopes.				

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78	Persons could be injured if the machine exceeds working radius.	Yes	Instruct the operator to never exceed working radius. All work must be carried out within the range of the rated load chart supplied with the machine	Yes	Prior to use.
79	Persons could be injured if the operator disturbs adjustments of any component.	Yes	Instruct the operator that only trained and skilled mechanical personnel with an understanding of the machine may carry out adjustments to the components of the unit.	Yes	Prior to use.
80	Persons could be injured if the machine is being repaired, maintained or serviced on an incline.	Yes	Instruct the driver 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 MACHINE must be adequately chocked.	Yes	Prior to use.

Document Control
Document No: ANM.40
Issue No: 001
Issue Date: Oct 2016

PAGE NO: 22 PLANT DESCRIPTION: CELA TELJ -40 AERIALWORK PLATFORMS

81	Persons could be injured if repairs,	Yes	Instruct the operator to stop the engine	Yes	Prior to use.
	maintenance or service is carried out on		prior to any work being commenced on		
	the machine while the engine is running.		the machine. A notice should be put in		
			place advising that the MACHINE is		
			under repair or service.		

DATE OF ASSESSMENT ASSESSMENT CONDUCTED BY:

Australian Crane & Machinery

RISK ASSESSMENT METHOD USED: Visual Inspection

Australian Crane & Machinery 42 Glenbarry Road CAMPBELLFIELD Vic 3061

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82	Persons could be injured while being under the boom while work is being carried out on the machine.	Yes		Instruct the operator to ensure that no persons go under the boom or DECK while work is being carried out to the UNIT.	Yes		Prior to use.
83	Persons could be injured if the machine becomes unstable due to be supporting surface collapsing or being washed away.	Yes		Instruct the operator to park the machine in a safe location and if there is any doubt to seek advice from his supervisor or an engineer.	Yes		Prior to use.
84	Persons could be injured if the safety devices on the MACHINE are not in proper working order.	Yes		Instruct the operator that prior to operation each day he/she should check all the safety devices.	Yes		Prior to use.
85	Persons could be injured if the electrical wiring has been modified.	Yes		Instruct the operator not to modify or permit any other person to modify the electrical wiring within the MACHINE.	Yes		Prior to use.

Document Control
Document No: ANM.40
Issue No: 001
Issue Date: Oct 2016

PAGE NO: 23

86	Persons could be injured if the	Yes	All load and indicator devices must	Yes	Prior to use.
	instrument readings are not correct.		have frequent inspections testing and		
			calibration by a competent person at		
			frequent intervals not exceeding twelve		
			months apart. Records must be kept in		
			the MACHINE. Instruct the operator to		
			immediately request confirmation of		
			accuracy should any doubt arise.		

No.	Hazard Identified (Describe the situation or parts of plant which could give rise to injury or illness).	Is there any risk? (Yes or No) (Describe the control measures already implemented to address the hazard).		Where there is a risk, describe the proposed risk control measure.	measure	e risk control es practicable? es or No)	Implementation Date for the practicable risk control measures. (Modifications and Certification prior to use).
87	Persons could be injured if additional counterweights are added to the machine.	Yes		Instruct the operator not to operate the machine if counterweight in excess of the crane maker's specifications has been added to the rear of the machine.	Yes		Prior to use.
88	Persons could be injured if sudden applications are made to the control.	Yes		Instruct the operator not to apply the controls in a sudden or uncontrollable manner.	Yes		Prior to use.
89	Persons could be injured if the Boom is not in the boom rest while it is being transported.	Yes		Instruct the operator to stow the boom in the boom rest before the machine is transported on a float, trailer or truck.	Yes		Prior to use.

Document Control
Document No: ANM.40
Issue No: 001
Issue Date: Oct 2016

PAGE NO: 24

90	Persons could be injured if unauthorised heat is applied to the boom.	Yes	Instruct the operator to ensure that any damage to the boom or DECK must be reported forthwith. Only repairs carried out that are supervised by an engineer are permitted.	Yes	Prior to use.
91	Persons could be injured if the parked machine was started and/or operated by an unauthorised person/s.	Yes	Instruct the operator that upon leaving the cabin he/she should take the ignition and door key with him.	Yes	Prior to use.
92	Persons could be injured if the machine is subjected to excessive wind loads.	Yes	Instruct the operator not to operate the MACHINE during windy weather. Stop work when the velocity of the wind exceeds 12.5m/sec.	Yes	Prior to use.

REFERENCES			
STANDARDS AUSTRALIA	2011	AS 1418.10	CRANES (INCLUDING HOISTS AND WINCHES) PART 10:ELEVATING WORK PLATFORMS.
STANDARDS AUSTRALIA	2006	AS.2550.10	CRANES-SAFE USE, PART 10: ELEVATING WORK PLATFORMS.
STANDARDS AUSTRALIA	2011	AS 1418.10	CRANES (INCLUDING HOISTS AND WINCHES) PART 10:ELEVATING WORK PLATFORMS.
VICTORIAN WORKCOVER AUTHORITY	1997		PLANT AND CERTIFICATION SELF-ASSESSMENT CHECKLIST
GOVERNMENT OF QUEENSLAND	2011		WORK HEALTH AND SAFETY REGULATION 2011



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