

TYPE	Rollers, Tandem Vibratory
MAKE	Dynapac
MODEL	CC900
SERIAL NUMBER	10000358THA020015
ENGINE NUMBER	D11051GW3643

Report Number	CEA 20180423-1035
Date	23-Apr-2018
Created By	Melissa Strachan
Assessor	Chris Collard
Assist. Assessor(s)	Chris Collard
Completed By	Melissa Strachan
Owner	CEA Melbourne
Lot Number	NP1110
Other	S & S Equipment Hire
Assessment Purpose	Sale
State	VIC

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	Length (mm)	2,040
	Operating weight (kg)	1,580
	Static weight on drums, front/rear (kg)	775/805
	Turning circle diameter (mm)	5,400
	Width (mm)	970
DRIVES	Drive: single drum/double drum	Dble drum
DRUMS	Drum widths front/rear (mm)	900/900
	Split drums	
	Vibration: single drum/double drum	Dble drum
ENGINE	Engine Displacement (Ltr)	
	Engine Hours	
	Engine Make & Model	Perkins 403C-11
	Engine Number	
	Net power, SAE rated (kW@rpm)	17@2600
	Number of Cylinders	3
GENERAL	Drum mats for hot mix	Yes
PLANT CLASSIFICATIONS	Class	ERG Class Tandem RR1: Operating wgt <=2 tonnes
	Year	2005 - 2006
TRANSMISSION	Max travel speed (km/hr)	
	Transmission type	HS
WORK CAPABILITIES	Centrifugal force, high+low amplitude (kN)	17
	Gradeability w/o vib (%)	40
	Nominal amplitude, high + low (mm)	0.4
	Vibratory frequency, max+min (Hz)	70
EXTRAS	ROPS - Two Post	





SECTION 4 RISK TREATMENTS REQUIRED








This section of the report pertains to hazards created by use of this item of plant which currently do not have risk treatments in place. The risk treatments recommended in this section have been developed based on relevant Australian Standards, health & safety legislation, the hierarchy of risk treatment in accordance with the guidelines set forth in AS/NZS ISO 31000 – Risk Management and various other sources. The recommended risk treatment measures must be developed, implemented and validated as effective prior to the operation, maintenance or testing of this item of plant. Treatments applied must be dated and initialled adjacent the recommendations. All operators must read and understand the entire contents of this section prior to operating this item of plant.

HAZARD(S)	Prelim. Risk Rating	Residual Risk Rating	Time Frame	Due Date	Date Rectified	Initial
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SECTION 5 RISK TREATMENTS IN PLACE








This section of the report pertains to risk treatments currently in place on this item of plant. This section must be read in conjunction with the safety section of the manufacturers handbook. All operators must read and understand the entire contents of this section prior to operating this item of plant. These treatments or equivalent must remain in place at all times whilst this item of plant is in operation.

	HAZARD(S)	Prelim. Risk Rating	Residual Risk Rating
DELIVERY	 CRUSHING Risk Treatments in Place: SWMS Loading/Unloading Ensure that all operators follow approved SWMS/SOP when loading and unloading this machine to and from a flat top truck or trailer, low loader or tilt tray. References: Work Health & Safety Act & Regulations-	HIGH 22	MEDIUM 15
	 CRUSHING Risk Treatments in Place: SWMS Load Restraint Ensure that all operators follow the approved SWMS/SOP when restraining this machine for transport. References: Work Health & Safety Act & Regulations-	HIGH 22	MEDIUM 15
OPERATION	 INCORRECT OPERATION Risk Treatments in Place: Operator Competency Only persons who are qualified, trained and experienced and/or hold the relevant certification/license can operate this item of plant. If there is not a competent/licensed person available for operation of this item of plant then only persons who are supervised by a competent/licensed person can operate this item of plant. References: Work Health & Safety Act & Regulations-	CRITICAL 24	MEDIUM 15
	 INCORRECT OPERATION Risk Treatments in Place: Operation Handbook The manufacturer's operation handbook has been supplied for this item of plant. This handbook must be available at all times to all potential operators and supervisory staff. All potential operators must read and be familiar with this handbook prior to operating. A complete risk assessment/Job Safety Analysis must be undertaken covering all operating processes and environments associated with this item of plant. SWMS should be produced for specific tasks associated with use of this item of plant. References: Work Health & Safety Act & Regulations-	HIGH 22	MEDIUM 15

HAZARD(S)	Prelim. Risk Rating	Residual Risk Rating
 BURNS, ENTANGLEMENT, SHEARING	HIGH 19	MEDIUM 13
<p>Risk Treatments in Place: Engine Guard Label The engine fan and alternator belts, pulleys and gears are guarded. These guards have clear legible hazard warning labels re do not open or remove guards while engine is running. These labels must be present, legible and easily seen at all times whilst this item of plant is in operation.</p> <p>References: AS1319- , AS/NZS4024.1201</p>		
 COLLISION, CRUSHING	MEDIUM 12	LOW 6
<p>Risk Treatments in Place: Warning Device (horn) This item of plant is fitted with a fully functional audible warning device such as a horn. This must be easily accessed by the operator, and easily identifiable by nearby pedestrians.</p> <p>All operators should ensure the warning devices are functional at the start of each shift, by completing pre-start checklists. Warning devices should operate automatically where appropriate (eg reversing)</p> <p>References: ISO7731, ISO9533</p>		
 BURNS	MEDIUM 12	MEDIUM 12
<p>Risk Treatments in Place: Open Cabin Dust, exhaust fumes, chemical fumes, sunstroke and sunburn pose serious risk to the operator both short and long term. The appropriate controls for all of these hazards must always be available whilst this item of plant is in operation. If these controls e.g. hats, sunscreen, dust masks etc are not available then operation of this item of plant must cease until these are made available to all operators.</p> <p>References: ISO31000</p>		
 COLLISION, CRUSHING	CRITICAL 24	MEDIUM 15
<p>Risk Treatments in Place: Park Brake The park brake fitted to this item of plant is fully functional at all times. The park brake must be regularly inspected and tested. These inspections and tests must be documented as part of your plant safety programme.</p> <p>References: AS2958</p>		
 STRIKING, ENTANGLEMENT, COLLISION, CRUSHING	HIGH 22	MEDIUM 15
<p>Risk Treatments in Place: Neutral Start This item of plant has neutral start control in place. It must be fully functional and serviceable at all times whilst this item of plant is in operation.</p> <p>References: AS4024.1603</p>		
 CRUSHING	HIGH 22	MEDIUM 15
<p>Risk Treatments in Place: Seat Belt This item of plant is fitted with an operator seat belt. This seat belt must be free from damage, and permanently and sturdily attached at all times whilst this item of plant is in operation. Operators must use this seat belt at all times during operation.</p> <p>References: ISO6683</p>		
 CRUSHING	HIGH 22	MEDIUM 15
<p>Risk Treatments in Place: Earthmoving ROPS A Roll Over Protective Structure (ROPS) to AS 2294, ISO 3471, ISO 12117.1 or 2 or SAE J1040 is fitted to this item of plant. A permanent label stating this standard must be attached to the structure at all times. It must also carry a warning label re: wearing of seat belts at all times whilst this item of plant is in operation, and accordingly seat belts must be worn at all times during operation.</p> <p>References: AS2294, ISO3471</p>		

DESIGN COMPLIANCE

HAZARD(S)	Prelim. Risk Rating	Residual Risk Rating
 OPERATIONAL MALFUNCTION	HIGH 22	LOW 2
Risk Treatments in Place: Plant Modification The plant is in original condition. References: ISO31000		
 ENTRAPMENT	HIGH 21	MEDIUM 15
Risk Treatments in Place: Two Operator Exits The operator cabin/work area on this item of plant has a minimum of two (2) possible exits. These must be functional and accessible at all times whenever the item of plant is manned, whether during operation or maintenance activities. References: AS3868		
 INCORRECT OPERATION	HIGH 20	MEDIUM 14
Risk Treatments in Place: Intuitive Controls The controls fitted to this item of plant are orientated so that the movement of the control is consistent with the action of the machine e.g. moving a control lever to the left results in the machine turning to the left. This design feature must be maintained at all times whilst this item of plant is in operation. References: AS/NZS4024.1906		
 STRAINS	HIGH 19	LOW 5
Risk Treatments in Place: Controls Ergonomics All controls including all levers, buttons, pedals, switches etc, are placed near the operator work position and are easy to reach and operate during the execution of the operator's normal duties. This applies for all persons within the 95th percentile of the normal population distribution. References: AS/NZS4024.1901		
 STRIKING, BURNS	HIGH 19	LOW 5
Risk Treatments in Place: Hydraulic Hose Failure Shield This item of plant is fitted with a sturdy, permanent shield(s) between the hydraulic hoses and any body parts of the operator to provide protection during a hose or component failure. This shield(s) must be present and fully functional at all times whilst this item of plant is in operation. References: AS2671, AS4024, ISO4413		
 SLIPPING, INCORRECT OPERATION	HIGH 17	LOW 6
Risk Treatments in Place: Control Levers/Pedals/Buttons All controls including all levers, buttons, pedals, switches etc. must be kept non-slip and free from damage at all times. References: AS/NZS4024.1901		
 INCORRECT OPERATION, OPERATIONAL MALFUNCTION	MEDIUM 14	MEDIUM 13
Risk Treatments in Place: Restricted Access Switches This item of plant is fitted with a device to restrict operators. A code/key must only be given to those that have appropriate experience or training. References: AS/NZS4024.1201		

	HAZARD(S)	Prelim. Risk Rating	Residual Risk Rating
	 SLIPPING, INCORRECT OPERATION	MEDIUM 9	LOW 4
	<p>Risk Treatments in Place: Operator Floor All work area floors are non-slip and free from damage & debris.</p> <p>Floor area must remain non-slip and free from damage & debris, including rubbish, tools and other items, at all times whilst this item of plant is in use.</p> <p>References: AS/NZS4024.1201, ISO20474-</p>		
	 STRAINS	MEDIUM 9	LOW 1
	<p>Risk Treatments in Place: Operator Seat The operator seat fitted to this item of plant must remain free from damage and tears, and be permanently and securely fitted at all times.</p> <p>References: AS/NZS4024.1401, ISO20474-</p>		
	 BURNS	MEDIUM 9	LOW 5
	<p>Risk Treatments in Place: Exhaust The engine exhaust on this item of plant is fitted with a guard to prevent injury to any person and control the risk of initiating a fire. It must be present and fully functional and serviceable at all times whilst this item of plant is in operation.</p> <p>References: AS/NZS4024.1201</p>		
MAINTENANCE	 COLLISION, CRUSHING	CRITICAL 25	MEDIUM 15
	<p>Risk Treatments in Place: Brakes The brakes fitted to this item of plant must be fully functional at all times whilst this item of plant is in operation. The brakes must be regularly inspected and tested. These inspections and tests must be documented as part of your plant safety programme.</p> <p>References: AS2958</p>		
	 CURRENT OR PREVIOUS STRUCTURAL DAMAGE	CRITICAL 25	MEDIUM 15
	<p>Risk Treatments in Place: Structural Integrity Regular checks for structural damage must be undertaken. Look for cracks in frames/chassis (current or repaired), bends or damage to structural components, etc.</p> <p>References: ISO31000</p>		
 INCORRECT OPERATION		HIGH 22	MEDIUM 15
<p>Risk Treatments in Place: Maintenance Manual The manufacturer's maintenance manual(s) has been supplied for this item of plant</p> <p>These manual(s) must be available at all times to all users and maintenance staff of this item of plant. All users and maintenance staff must read and be familiar with these handbook(s) prior to maintaining or repairing this item of plant.</p> <p>A complete risk assessment/JSEA must be undertaken covering all inspection, maintenance, servicing and transportation requirements of this piece of plant prior to use.</p> <p>A full assessment of the competence of people using the book(s) must also be undertaken</p> <p>References: Work Health & Safety Act & Regulations-</p>			
 CRUSHING		HIGH 22	MEDIUM 15
<p>Risk Treatments in Place: ROPS Damage The Roll Over Protective Structure (ROPS) fitted to this item of plant must remain free from damage at all times whilst this item of plant is in operation.</p> <p>References: AS2294, ISO3471</p>			

RISK MANAGEMENT REPORT

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		Other	S & S Equipment Hire
		Assessment Purpose	Sale
		State	VIC

PURCHASER ACKNOWLEDGEMENT

I the undersigned acknowledge that I have read and understand the risk management report described above. I also acknowledge that I have received a copy of this risk management report. I also acknowledge that I am authorised to sign on behalf of the purchaser.

Name _____

Company Name _____

Position _____

Signature _____

Date _____

The manufacturer's operational & maintenance handbooks have been supplied,
 (circle one) YES NO (initial) _____

Please transfer this assessment to my Plant Assessor membership as a (circle one) HIRE / PLANT IN USE
 assessment.

My Plant Assessor email is _____

