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New holland.



Report Number	CCFS/20111031-1256
Assessment Date	31-October-2011
Assessor	Matt Ireland
Company	CCF South Australia Remotes
Make	New Holland
Model	LM1745
Type	Telescopic Handler
Identifier	N9HK37003
Lot Number	
Assessment Purpose	Sale
State	SA

Section 1 - Important Information

Contains information outlining the scope and any limitations applicable to this Risk Management Report

Section 2 - Unit Details

Contains standard unit specifications and details of any extras fitted

Section 3 - Risk Analysis, Risk Evaluation & Risk Treatment

Contains details of the technique used to calculate risk ratings, time frame and risk treatments. Please refer to this information when reviewing and interpreting the information in section 4

Section 4 part 1 - Risk Treatments Required

Contains detailed information regarding the risk treatments to be implemented including hazard, risk rating, time frame, relevant standards & legislative references

Section 4 part 2 - Risk Treatments in Place

Contains detailed information regarding the risk treatments in place including hazard, risk rating, relevant standards & legislative references

Section 5 - Photos & Notes

Contains photos & any relevant information entered by the assessor

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SECTION 1

This Risk Management Report has been prepared for -

(insert recipient name/company name)

This document has been prepared to cover the sale or transfer of this item of plant between the Company identified on the front cover and their named recipient. This report must not be used for any subsequent sale or transfer.

This document is provided to meet duty of care obligations as set out in OH&S regulations for the supply of plant and the sale and transfer of plant.

The safety hazards associated with the operating and maintaining of this item of plant have been identified as far as practical by visual inspection. This item of plant is being sold in an "as-is" condition with known and unknown safety hazards. No physical testing has been conducted (eg. Wire rope tests, stress tests, structural/non-destructive tests, noise tests, vibration tests, brake tests, Insulation tests etc.) unless stated otherwise in the notes.

This document is not intended to provide information on, nor warrant the mechanical, electrical or structural condition of this item of plant. Any information on standard features have been supplied through the manufacturer and should be used as a guide only until otherwise verified.

This item of plant should be further assessed, tested and inspected or dismantled as necessary to gauge any further hazards and /or risks relating to SPECIFIC WORKPLACE USE, which are currently unknown, in accordance with relevant standards, regulations and acts.

Under common law and OH&S acts, regulations and code of practice, there is a requirement for the plant owner, employer and operator to exercise a duty of care in the safe operation and maintenance of plant. Accordingly before this item of plant is supplied to, or used at any workplace it must be inspected to ensure it is in a fully operational, safe and serviceable condition and that operators and maintenance personnel are appropriately trained in the use & maintenance of this item of plant.

For further information regarding this report contact Online Safety Systems on 1300 72 88 52

SECTION 2

- Noise Test Results

1. Manufacturers specified noise level dBA
2. Ambient noise level dBA
3. Noise level - Operator position (high idle) dBA
4. Noise level - Operator position (low idle) dBA
5. Noise level LHS dBA @ m (high idle)
6. Noise level Front dBA @ m (high idle)
7. Noise level RHS dBA @ m (high idle)
8. Noise level Rear dBA @ m (high idle)

Brakes

Brake Type Multi - Wet Disc

Bucket

Bucket width (mm) 2,450

Capacities

Capacity at maximum reach (mm) 450

Fuel tank capacity (litres)

Reach with 1t load (mm) 10,600

Dimensions/Weights

Dry Weight (kg)

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Ground clearance (mm)	402
Height (mm)	2,450
Length (mm)	7,335
Lift capacity maximum height (kg)	3,000
Operating weight (kg)	12,300
Reach at maximum height (mm)	1,000
Turn circle diameter (mm)	7,780
Wheelbase (mm)	3,120
Width (mm)	2,445
Drives	
Drive	4WD
Engine	
Engine displacement (lit)	3.9
Engine make & model	New Holland 439TA
Engine number	
Engine power - rated speed (rpm)	
Engine power kw/(hp)	
Number of cylinders	4
Power (kW@rpm)	88@2200
Extras	
Airconditioning & heating	
ROPS & FOPS	
Stabilisers fitted?	Yes
General	
Air Suspension Seat	
Boom Lower (seconds)	
Boom Raise (seconds)	
Carrier Rotating Angle (degrees)	
Chassis Type	
Crowd (seconds)	
Dump (seconds)	
Extras	
Extras B	
Front & Rear Brakes	
Front, Rear & Roof Wiper & Washer	
Heaped capacity, 2:1 SAE (m3)	0.6 - 1.2
Hydraulic Attachment Locking	
Hydraulic Oil reservoir capacity (litres)	
Hydraulic System	
Hydraulics - Flow Rate (l/min) / Pressure (kg/cm2)	
Hydraulics Oil Cooler	
Park Brake type	
Power rating RPM	
Steering Angle (degrees)	
Tele In (seconds)	
Tele Out (seconds)	
Tyres - Front & Rear	
Work Lights - Front	
Work Lights Rear	
Plant Classifications	
Class	ERG Class RTM4: Maximum lift cap >3.9 tonnes
Year	2006
Retail \$	

TRUCK DETAILS

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New Price	
New Price Date	
Steering	
Steering system	4ws
Transmission	
Max travel speed (km/hr)	
Maximum speed (km/h)	35
Speeds, F/R	4/3
Transmission type	Power Shift
Work Capabilities	
Maximum lift capacity, any height (kg)	4.5
Maximum lift height (mm)	16,600
Maximum reach (mm)	12,540

EXTRAS

Air Conditioning
 FOPS
 ROPS Cabin

DETAILS

Factory airconditioning
 As per ISO3449 SAE J231
 As per ISO3471 SAE J1040

SECTION 3

RISK ANALYSIS

	1 Insignificant Death with by in house first aid	2 Minor Treated by medical professionals. hospital out patients	3 Moderate Significant non permanent injury overnight hospital stay	4 Major Extensive permanent injury, e.g. Loss of fingers, extended hospital stay	5 Catastrophic Death, permanent debilitating injury e.g. Loss of hand, quadriplegia
A Almost certain to occur in most circumstances	MEDIUM 8	HIGH 16	HIGH 18	CRITICAL 23	CRITICAL 25
B Likely to occur frequently	MEDIUM 7	MEDIUM 10	HIGH 17	HIGH 20	CRITICAL 24
C Possible and likely to occur at sometime	LOW 3	MEDIUM 9	MEDIUM 12	HIGH 19	HIGH 22
D Unlikely to occur but could happen	LOW 2	LOW 5	MEDIUM 11	MEDIUM 14	HIGH 21
E May occur but only in rare circumstances	LOW 1	LOW 4	LOW 6	MEDIUM 13	MEDIUM 15

RISK TREATMENT

CRITICAL	Act immediately to mitigate risk. Implement risk treatment(s) in accordance with the risk treatment table below.
HIGH	Act immediately to mitigate risk. Implement risk treatment(s) in accordance with the risk treatment table below. If the appropriate permanent risk treatments are not immediately accessible establish interim risk treatment strategies. Permanent risk treatments must be implemented within one week.
MEDIUM	Take reasonable steps to mitigate and control the risk. Implement risk treatment(s) in accordance with the risk treatment table below. Permanent risk treatments must be implemented within one month.
LOW	Take reasonable steps to mitigate and control the risk. Implement risk treatment(s) in accordance with the risk treatment table below. Permanent risk treatments must be implemented within three months.


Selecting the most appropriate risk treatment option involves balancing the costs and efforts of implementation against the benefits derived, with regard to legal, regulatory and other requirements. (see AS/NZS 4360:2004)

- Eliminate** Eliminate the risk source
- Substitute** Provide an alternative that is capable of performing the same task which is safer
- Engineering** Provide or design a physical barrier or guard
- Administrative** Develop policies, procedures, practices and guidelines in consultation with employees to mitigate the risk
Provide training, such as, for supervisors about the risk source
- Personal protective** Provide personal protective equipment to protect the individual from the risk source

SECTION 4 PART 1 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, 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.

Operation

	Hazard(s): Incorrect Operation	Relevant References: AS1470, ISO31000-2009 Risk Management	
	Preliminary Risk Rating: CRITICAL 24	Time Frame: Immediate	Due Date: 1-Nov-11
	Residual Risk Rating: LOW 2	Date Rectified: <input type="text"/>	Initial: <input type="text"/>

Risk Treatment Required: 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.

Legislation: State Health & Safety Legislation & Regulation

	Hazard(s): Crushing	Relevant References: ISO31000-2009 Risk Management	
	Preliminary Risk Rating: HIGH 22	Time Frame: 1 Week	Due Date: 8-Nov-11
	Residual Risk Rating: MEDIUM 15	Date Rectified: <input type="text"/>	Initial: <input type="text"/>

Risk Treatment Required: Hydraulic Coupler
 The loader boom is fitted with an automatic hydraulic coupler i.e. is remotely operated from the operator position. The coupler must be fitted with a safety device which detects and displays verification that coupler locking device is engaged. This safety device must be fully functional at all times whilst this item of plant is in operation.


If this item of plant is to be used during the remedial action time frame provided operators must physically check engagement of the hydraulic coupler as part daily pre-operational checklist and after each change of attachment.

Once safety device is fitted it must be checked as part of operator daily pre-operational checklist, if any fault is detected at any time then operation must cease until the fault is rectified.

SECTION 4 PART 2 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.

Operation

	Hazard(s): Crushing	Relevant References:
	Preliminary Risk Rating: HIGH 22	Residual Risk Rating: MEDIUM 15
	Risk Treatment: SWMS Loading/Unloading	

Ensure that all operators follow these steps when loading and unloading this machine to and from a flat top truck or trailer, low loader or tilt tray -

Step 1

- Vehicle choice
 - Vehicle load carrying capacity must be equal or greater than the sum of machine, attachments and any ancillary equipment
 - Vehicle must have adequate space for the load
 - Load carrying deck must be clean

Step 2

- Site selection
 - Site for loading and unloading must meet the following criteria -
 - i. Be level in camber (to achieve this direction of carrier may need to be adjusted several times)
 - ii. Longitudinally the combined grade of site and loading ramps/elevated tilt tray must NEVER exceed the gradeability of machine being

loaded

- iii. Be stable enough to withstand combined weight of machine and carrier unit
- iv. Be isolated from traffic movements via its location, barriers or administrative traffic controls
- v. Be clear of overhead power lines

Step 3

- Loading
 - FLAT TOP/LOW LOADER
 - i. Engage creep gear
 - ii. Clear bystanders from each side of the carrier unit and loading ramps
 - iii. Drive machine on slowly
 - iv. Place machine in transport/park configuration, apply brakes & shut off engine
 - v. Use extreme caution when egressing machine
- TILT TRAY
 - i. Manoeuvre machine to adjacent tilt tray, NEVER drive machine onto a tilt tray
 - ii. Place machine in park configuration, apply brakes & shut off engine
 - iii. Attach winch cable to machine tow point
 - iv. Clear bystanders from each side of the carrier unit and loading ramps
 - v. Take up slack so that winch has weight of unit
 - vi. Place machine in towing configuration (release brake, select neutral gear/disengage hydrostatic drive)
 - vii. Egress machine, NEVER ride in or on machine whilst being winched onto a tilt tray
 - viii. Winch machine on slowly
 - ix. Place machine in transport/park configuration, apply brakes & shut off engine
 - x. Use extreme caution when egressing machine
 - xi. Engage any transit locks

Step 4

- Restraint
 - See transport restraint guidelines

Hazard(s): Crushing

Relevant References:

Preliminary Risk Rating: HIGH 22

Residual Risk Rating: MEDIUM 15

Risk Treatment: SWMS Load Restraint

Ensure that all operators follow these steps when restraining this machine for transport -

Step 1

- Loading
 - Load machine as per loading guidelines

Step 2

- Load placement
 - Loads must be placed so that the centre of its mass is in front of the centre of the rear axle/axle group

Step 3

- Lashing choice
 - Always select lashings whose combined lashing capacity is –
 - i. In the forward direction equal to or greater than 2 x the weight of the load
 - ii. In the sideways direction equal to or greater than the weight of the load
 - iii. In the rearward direction equal to or greater than the weight of the load
 - Always select tensioning devices whose capacity is equal to or greater than the chain/webbing lashing capacity

Step 4

- Lashing technique
 - Lashing must be from tie down point on machine to dedicated attachment point on carrier truck or trailer (if no tie down points fitted machine must be tied down by axles or chassis)
 - Lashing point on truck or trailer must have sufficient strength to hold machine weight
 - i. Minimum one chain per tie down point
 - ii. One tensioning device per chain

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- iii. Ratio of horizontal to vertical as close to 2:1 as possible
- iv. Chains must not at right angles to the machine in any plane (unless two chains used per tie down point)

- Tips
- NEVER USE FAULTY OR DAMAGED RESTRAINING EQUIPMENT
- All machines must be restrained including any attachments and ancillary equipment
- Chains may need to be tied forwards/backwards or across the truck/trailer to achieve the 2:1 ratio or angle less than 90 degrees to machine
- More than one chain may be necessary per tie down point to achieve restraining capacity
- Attach lashings to tie rail at rail support intersection

Operation



Hazard(s): Incorrect Operation
Preliminary Risk Rating: HIGH 22

Relevant References: AS1470, AS2153, ISO31000-2009 Risk Management
Residual Risk Rating: MEDIUM 15

Risk Treatment: 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.



Hazard(s): Incorrect Operation
Preliminary Risk Rating: HIGH 22

Relevant References: ISO31000-2009 Risk Management
Residual Risk Rating: MEDIUM 15

Risk Treatment: SOPs Telescopic Handler

Safe Operation Procedures are available for this telescopic handler. The information in the Safe Operation Procedures must be followed at all times whilst operating this telescopic handler.



Hazard(s): Incorrect Operation
Preliminary Risk Rating: HIGH 22

Relevant References: ISO31000-2009 Risk Management
Residual Risk Rating: MEDIUM 15

Risk Treatment: Pre-Op Checklist Telescopic Handler

A pre-operational checklist is available for this telescopic handler. All operators must complete this checklist prior to operating this telescopic handler.



Hazard(s): Collision
Preliminary Risk Rating: HIGH 22

Relevant References: ISO31000-2009 Risk Management
Residual Risk Rating: MEDIUM 15

Risk Treatment: Phone Use label

This item of plant is fitted with an instruction label advising that mobile phones must not be used whilst operating this machine. Accordingly all operators must not use a mobile phone at any time whilst operating machine. If phone use is necessary then operator must place machine in park configuration in a safe position prior to phone use. Operators MUST adhere to this advice at all times.

This label must be clear and legible at all times whilst this item of plant is in operation.



Hazard(s): Incorrect Operation
Preliminary Risk Rating: HIGH 22

Relevant References: AS1064, AS1470, AS2956, HB59, ISO31000-2009 Risk Management
Residual Risk Rating: MEDIUM 15

Risk Treatment: Control Labels

All controls including all levers, buttons, pedals, switches etc. are clearly labelled as to their purpose and method of operation. These labels must be maintained in a clean and serviceable condition at all times.



Hazard(s): Crushing, Falling
Preliminary Risk Rating: HIGH 22

Relevant References: AS1470, AS1636, AS2294, ISO31000-2009 Risk Management
Residual Risk Rating: MEDIUM 15

Risk Treatment: Passenger Seat Label

This item of plant is fitted with a clear hazard warning label re: Operator only, No passengers. Passengers must not be carried at anytime. This label must be clear and legible at all times whilst this item of plant is in operation.

Legislation: State Health & Safety Legislation & Regulation



Hazard(s): Crushing
Preliminary Risk Rating: HIGH 22

Relevant References: AS1470, AS1636, AS2294, ISO31000-2009 Risk Management
Residual Risk Rating: MEDIUM 15

Risk Treatment: ROPS Label

The warning label stating that the ROPS must not be damaged at any time (including cuts, drill holes, welds and dents) must be present, clean and legible at all times.



Hazard(s): Electrocution

Relevant References: AS1470, AS2550, AS3017, ISO31000-2009 Risk Management

Preliminary Risk Rating: HIGH 22

Residual Risk Rating: MEDIUM 15

Risk Treatment: Electrical Approach Distances

This item of plant has a hazard warning label re: overhead electrical hazards and minimum approach distances fitted. These distances must be adhered to strictly. These labels and tables must be present, clear and legible at all times.

Spotters are required when working within 5 metres of the minimum approach distance of any live electrical apparatus.

Any encroach within the minimum approach distances must only occur if the following provisions have been met -

1. The machine is designed to work within the minimum approach distances
2. Permission has been granted by the electricity company and
3. Safe systems of work have been documented and approved.



Hazard(s): Burns, Explosion, Poisoning

Relevant References: AS1470, AS2153, ISO31000-2009 Risk Management

Preliminary Risk Rating: HIGH 22

Residual Risk Rating: MEDIUM 15

Risk Treatment: Tank ID Label

The tank(s) on this item of plant have clear, legible label(s) identifying their contents, and if appropriate any necessary controls re: the contents. These must be present, clear and legible at all times. (this includes radiators and petrol/diesel tanks)



Hazard(s): Crushing

Relevant References: AS1470, AS2153, ISO31000-2009 Risk Management

Preliminary Risk Rating: HIGH 21

Residual Risk Rating: MEDIUM 15

Risk Treatment: Loader Crush Zone Label

The loader boom on this item of plant is fitted with a hazard warning label re: crush zone, keep clear. This label must be present and fully functional and serviceable at all times.



Hazard(s): Collision

Relevant References: AS1470, ISO31000-2009 Risk Management

Preliminary Risk Rating: HIGH 22

Residual Risk Rating: MEDIUM 15

Risk Treatment: Left Hand Drive Label

This item of plant has a hazard warning label re: left hand drive, at the rear. It must be present, clear and legible at all times.



Hazard(s): Hearing Loss

Relevant References: AS1269-2005 Occupational noise management, AS1470, AS2012, AS3781, ISO31000-2009 Risk Management

Preliminary Risk Rating: HIGH 19

Residual Risk Rating: MEDIUM 14

Risk Treatment: Hearing Protection Label

The hazard warning labels re: wearing of hearing protection attached to this item of plant refer to the level of noise produced. Permanent hearing damage will result if hearing protection is not worn. These labels must be present, clear and legible at all times whilst this item of plant is in operation.



Hazard(s): Burns, Cutting, Entanglement, Pinching,

Relevant References: AS1470, AS2153

Preliminary Risk Rating: HIGH 19

Residual Risk Rating: MEDIUM 13

Risk Treatment: 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.



Hazard(s): Collision, Crushing

Relevant References: AS1470, AS2153, AS2359, ISO31000-2009 Risk Management

Preliminary Risk Rating: MEDIUM 12

Residual Risk Rating: LOW 6

Risk Treatment: 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.

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)



Hazard(s): Incorrect Operation

Relevant References: AS1470, AS2359, ISO31000-2009 Risk Management

Preliminary Risk Rating: MEDIUM 12






Residual Risk Rating: LOW 6

Risk Treatment: Load Plate





This item of plant is fitted with a manufacturers load plate. This plate must be clean, free from damage and legible at all times. This load plate must contain the following information as a minimum - Manufacturers specifications re:

1. Plant weight.
2. Correct operating tyre pressures.
3. Lifting and angle capacity.
4. Maximum height to which a given load can be lifted.

All operators must read, understand, use and comply with this information during operation of this item of plant.

	<p>Hazard(s): Poor Signage</p> <p>Preliminary Risk Rating: MEDIUM 12</p> <p>Risk Treatment: SWL Label</p> <p>This item of plant has a rated capacity (SWL) label. This capacity must not be exceeded at any time during operation. This label must be clear and legible at all times whilst this item of plant is in operation.</p>	<p>Relevant References: AS1418.1-2002 Cranes - General requirements, AS1470, ISO31000-2009 Risk Management</p> <p>Residual Risk Rating: LOW 6</p>
	<p>Hazard(s): Collision, Crushing, Striking</p> <p>Preliminary Risk Rating: MEDIUM 12</p> <p>Risk Treatment: Tail Swing Label</p> <p>The rear of this item of plant has a hazard warning label re: general plant movement, tail swing, keep clear. It must be present and fully functional and serviceable at all times.</p>	<p>Relevant References: AS1470, AS2153, AS4024, ISO31000-2009 Risk Management</p> <p>Residual Risk Rating: LOW 6</p>
	<p>Hazard(s): Collision</p> <p>Preliminary Risk Rating: MEDIUM 9</p> <p>Risk Treatment: Recovery Point Label</p> <p>This item of plant is fitted with a hazard warning label adjacent the recovery tow point which states "Danger - Do not tow this item of plant until you read, understand and follow the manufacturers' towing instructions. Failure to do so could result in DEATH or Serious Injury". This label must be clear and legible at all times whilst this item of plant is in operation.</p>	<p>Relevant References: ISO31000-2009 Risk Management</p> <p>Residual Risk Rating: LOW 5</p>
	<p>Hazard(s): Crushing</p> <p>Preliminary Risk Rating: MEDIUM 9</p> <p>Risk Treatment: Stabiliser Legs</p> <p>This item of plant has a hazard warning label re: crushing, adjacent the stabiliser legs. These labels must be present, clear and legible at all times.</p>	<p>Relevant References: AS1470, AS4024, ISO31000-2009 Risk Management</p> <p>Residual Risk Rating: LOW 5</p>
	<p>Hazard(s): Fire</p> <p>Preliminary Risk Rating: MEDIUM 13</p> <p>Risk Treatment: Fire Extinguisher</p> <p>This item of plant is fitted with an approved and maintained fire extinguisher. Fire extinguisher(s) must be present and fully functional at all times. They must be readily accessible to the operator. Regular inspections must also be carried out in accordance with the manufacturer's requirements and AS 1851 - 1995</p>	<p>Relevant References: AS1470, AS1841, AS1851, AS2153.7, ISO31000-2009 Risk Management</p> <p>Residual Risk Rating: LOW 4</p>

Design Compliance

	<p>Hazard(s): Collision</p> <p>Preliminary Risk Rating: HIGH 22</p> <p>Risk Treatment: Beacon</p> <p>This item of plant is fitted with a safety beacon. This beacon must meet the following criteria at all times whilst this item of plant fitted is in operation -</p> <ul style="list-style-type: none"> -is visible from 200m in all directions (allowing for intermittent obstruction from the plant structure whilst the plant is in operation) -is fitted in the most appropriate location on machine to maximise visibility without risking continual damage <p>NOTE: more than one beacon may be fitted to meet these criteria.</p>	<p>Relevant References: AS1470, ISO31000-2009 Risk Management</p> <p>Residual Risk Rating: HIGH 21</p>
	<p>Hazard(s): Entrapment</p> <p>Preliminary Risk Rating: HIGH 21</p> <p>Risk Treatment: Two Operator Exits</p> <p>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.</p>	<p>Relevant References: AS1470, AS2153.7, AS2953, ISO31000-2009 Risk Management, ISO4252</p> <p>Residual Risk Rating: MEDIUM 15</p>
	<p>Hazard(s): Crushing</p> <p>Preliminary Risk Rating: HIGH 22</p> <p>Risk Treatment: Seat Belt</p> <p>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>Relevant References: ISO24135.1-2006, ISO3776.1-2006, ISO6683-2005</p> <p>Residual Risk Rating: MEDIUM 15</p>
	<p>Hazard(s): Crushing, Incorrect Operation</p> <p>Preliminary Risk Rating: HIGH 22</p> <p>Risk Treatment: Boom Length Indicator</p> <p>This item of plant is fitted with a telescopic boom length indicator. The information provided by this device must be used in conjunction with the boom angle indicator and the load chart in the operators work area. The combination of information provided by these safety</p>	<p>Relevant References: AS1418.1-2002 Cranes - General requirements, AS1418.19-2007 Telescopic Handlers</p> <p>Residual Risk Rating: MEDIUM 15</p>

features must not be exceeded at any time during operation. This item of plant must not be operated if this device is not present and fully functional.



Hazard(s): Collision, Crushing
Preliminary Risk Rating: CRITICAL 24
Risk Treatment: Park Brake

Relevant References: AS1470, ISO31000-2009 Risk Management
Residual Risk Rating: MEDIUM 15

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.



Hazard(s): Crushing, Incorrect Operation
Preliminary Risk Rating: HIGH 22
Risk Treatment: Manual Boom Angle Indicator

Relevant References: AS1418.1-2002 Cranes - General requirements, AS1418.11-2007, AS1418.19-2007 Telescopic Handlers
Residual Risk Rating: MEDIUM 15

This item of plant is fitted with a boom angle indicator. The information provided by this device must be used in conjunction with the boom length indicator and the load chart in the operators work area. The combination of information provided by these safety features must not be exceeded at any time during operation. This item of plant must not be operated if this device is not present and fully functional.



Hazard(s): Crushing, Incorrect Operation
Preliminary Risk Rating: HIGH 22
Risk Treatment: Electronic Boom Angle Indicator

Relevant References: AS1418.1-2002 Cranes - General requirements, AS1418.19-2007 Telescopic Handlers
Residual Risk Rating: MEDIUM 15

This item of plant is fitted with an electronic and gravity pendulum boom angle indicator. The information provided by these devices must be used in conjunction with the boom length indicator and the load chart in the operators work area. The combination of information provided by these safety features must not be exceeded at any time during operation. This item of plant must not be operated if these devices are not present and fully functional.



Hazard(s): Crushing, Incorrect Operation
Preliminary Risk Rating: HIGH 22
Risk Treatment: Lateral Slope Indicator

Relevant References: AS1418.19-2007 Telescopic Handlers
Residual Risk Rating: MEDIUM 15

This item of plant is fitted with a lateral slope indicator. This indicator must always be easily legible from the normal operating position and indicate level and permitted lateral slope as specified by the rated capacity chart. The maximum permissible lateral slope must not be exceeded at anytime during operation of this item of plant. Operation of this item of plant other than on level ground must cease if this device is not present and fully functional.



Hazard(s): Crushing, Incorrect Operation
Preliminary Risk Rating: HIGH 22
Risk Treatment: Longitudinal Stability Indicator

Relevant References: AS1418.19-2007 Telescopic Handlers
Residual Risk Rating: MEDIUM 15

This item of plant is fitted with a longitudinal stability indicator. This indicator warns both visually and audibly when the rated capacity based on longitudinal stability is being approached. This warning must not be ignored. Operators must immediately take the appropriate actions to decrease longitudinal instability. This item of plant must not be operated if this device is not present and fully functional.



Hazard(s): Crushing, Incorrect Operation
Preliminary Risk Rating: HIGH 22
Risk Treatment: Longitudinal Stability Limiter

Relevant References: AS1418.19-2007 Telescopic Handlers
Residual Risk Rating: MEDIUM 15

This item of plant is fitted with a longitudinal stability limiter. This safety device restricts operation in excess of the item of plants longitudinal tipping load. Operation of this item of plant must cease if this safety device is not present and fully functional.



Hazard(s): Crushing
Preliminary Risk Rating: HIGH 22
Risk Treatment: Earthmoving ROPS

Relevant References: AS2294, ISO3471-2008
Residual Risk Rating: MEDIUM 15

A Roll Over Protective Structure (ROPS) to AS 2294, ISO 3471 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.



Hazard(s): Collision, Crushing
Preliminary Risk Rating: HIGH 22
Risk Treatment: Reverse Movement Alarm

Relevant References: AS1470, AS4024, ISO31000-2009 Risk Management
Residual Risk Rating: MEDIUM 15

A reverse movement sensor alarm is fitted to this item of plant. It must be fully functional and serviceable at all times whilst this item of plant is in operation.



Hazard(s): Burns, Striking
Preliminary Risk Rating: HIGH 22
Risk Treatment: Hydraulic Hoses

Relevant References: AS2671-2002, ISO4413-1998
Residual Risk Rating: MEDIUM 15

This item of plant has hydraulic hoses. These hoses must be inspected each day or before each use for wear and tear. If there are visible signs of wear immediate action must be taken to control the risk arising from this wear. These inspections must be documented.

Hydraulic fluid at high pressure can penetrate the skin, never use any part of your body to check for leaks. If oil penetrates the skin seek medical advice immediately. Always use a piece of cardboard or similar to check for suspected leaks.

Hydraulic pressure can be stored and is a hazard. Before disconnection or connection of hydraulic hoses complete the following steps -

1. Stop engine
2. Keep all bystanders clear of the work area
3. Refer to operators manual as to methods to release pressure
4. Wait 5 minutes



Hazard(s): Current or previous structural damage
Preliminary Risk Rating: CRITICAL 25
Risk Treatment: Structural Integrity

Relevant References: AS1470, ISO31000-2009 Risk Management
Residual Risk Rating: MEDIUM 15

Regular checks for structural damage must be undertaken. Look for cracks in frames/chassis (current or repaired), bends or damage to structural components, etc.



Hazard(s):
Preliminary Risk Rating: HIGH 20
Risk Treatment: Intuitive Controls

Relevant References: AS4024.1906-2006, ISO31000-2009 Risk Management
Residual Risk Rating: MEDIUM 14

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.



Hazard(s): Entanglement
Preliminary Risk Rating: MEDIUM 14
Risk Treatment: Engine Guards

Relevant References: AS2153.1-1997, AS2958.2-1998, AS4024.1-1996
Residual Risk Rating: MEDIUM 13

The engine fan and alternator belts, pulleys and gears are guarded. These guards must be present and fully functional and serviceable at all times whilst this item of plant is in operation.



Hazard(s): Collision, Poor Visibility
Preliminary Risk Rating: MEDIUM 12
Risk Treatment: Operator Mirrors

Relevant References: AS1470, AS2153, ISO13564-1.2, ISO14401.1-2009, ISO31000-2009 Risk Management
Residual Risk Rating: MEDIUM 11

The operator rear view mirrors fitted to this item of plant must be fully functional and kept clean at all times. There must always be at least one mirror on each side to provide rear vision to the operator to avoid striking bystanders and objects.



Hazard(s): Poor Visibility
Preliminary Risk Rating: HIGH 21
Risk Treatment: Windscreen Wipers

Relevant References: AS1470, AS2153, ISO31000-2009 Risk Management
Residual Risk Rating: MEDIUM 11

The windscreen wipers fitted to this item of plant must be fully functional at all times.



Hazard(s): Slipping
Preliminary Risk Rating: MEDIUM 12
Risk Treatment: Operator Work Area Access/Egress

Relevant References: AS1470, AS1657-1992, AS2153.1, AS2153.3, AS2153.7, AS3868-1991, ISO31000-2009 Risk Management
Residual Risk Rating: LOW 6

Safe access and egress to the cabin/work area(s) must be maintained at all times whilst this item of plant is in operation. It must be non slip, free from damage, located at a height so as to not cause undue body stresses and strains with three points of contact available to personnel at all times.

All personnel must -

1. Always face the item of plant during access and egress.
2. Always maintain three points of contact during access and egress.
3. Never carry an object(s) in his/her hand(s) during access and egress.
4. Never jump off machine.



Hazard(s): Incorrect Operation, Slipping
Preliminary Risk Rating: HIGH 17
Risk Treatment: Control Levers/Pedals/Buttons

Relevant References: AS1470, AS2153.3, AS2153.6, AS2153.7, AS2956, ISO31000-2009 Risk Management
Residual Risk Rating: LOW 6

The control levers and foot controls must be kept non-slip and free from damage at all times.



Hazard(s): Strains
Preliminary Risk Rating: HIGH 19
Risk Treatment: Controls Ergonomics

Relevant References: AS1064, AS1246, AS1470, AS2153.3, AS2956, HB59
Residual Risk Rating: LOW 5

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.

Hazard(s): Burns, Striking

Relevant References: AS1418.1-2002 Cranes - General requirements, AS2671-2002, AS4024, ISO31000-2009 Risk Management, ISO4413-1998



Preliminary Risk Rating: MEDIUM 14

Residual Risk Rating: LOW 5

Risk Treatment: Hydraulics 500mm

This item of plant is fitted with a sturdy, permanent guard(s) between the hydraulic hoses and any body parts of the operator to provide protection during a hose failure. This guard(s) must be in place at all times whilst this item of plant is in operation.

Hazard(s): Collision, Poor Visibility

Relevant References: AS1470, AS2153, AS4024, ISO31000-2009 Risk Management



Preliminary Risk Rating: HIGH 22

Residual Risk Rating: LOW 5

Risk Treatment: Machine Lights

This item of plant is fitted with self contained lighting. All of these lights must be fully functional and serviceable whilst this item of plant is in operation in areas of reduced light. If any of these lights stop working the operation must cease immediately and the faulty light be repaired before operation can continue in the areas of reduced light.

Hazard(s): Incorrect Operation, Slipping

Relevant References: AS1470, AS2153.1, AS2153.6, AS2153.7, ISO31000-2009 Risk Management



Preliminary Risk Rating: MEDIUM 9

Residual Risk Rating: LOW 4

Risk Treatment: Operator Floor

Ensure all work area floors are non-slip and remain free from damage at all times whilst this item of plant is in use.

Hazard(s): Burns

Relevant References: AS1470, ISO31000-2009 Risk Management



Preliminary Risk Rating: MEDIUM 9

Residual Risk Rating: LOW 4

Risk Treatment: Air Conditioning

This item of plant is fitted with an air conditioned cabin. This air conditioned cabin helps control the air quality and temperature for the operator and also provides shade from the sun. The air conditioner must be fully functional and serviceable at all times whilst this item of plant is in operation.

Hazard(s): Collision, Crushing

Relevant References: AS1470, AS2153, ISO31000-2009 Risk Management



Preliminary Risk Rating: HIGH 22

Residual Risk Rating: LOW 2

Risk Treatment: 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.

Hazard(s): Crushing

Relevant References: AS1418.1-2002 Cranes - General requirements, AS1418.10-2004 Elevating work platforms, AS1418.11-2007



Preliminary Risk Rating: HIGH 22

Residual Risk Rating: LOW 2

Risk Treatment: Hydraulic Load Holding Devices

The load carrying cylinders on this item of plant are fitted with automatic means (e.g. load-holding valves) to prevent uncontrolled movement of the unit in the case of loss of power or hydraulic failure. These devices must be present and fully functional at all times whilst this item of plant is in operation.

Hazard(s): Operational Malfunction

Relevant References: AS1470, ISO31000-2009 Risk Management



Preliminary Risk Rating: HIGH 22

Residual Risk Rating: LOW 2

Risk Treatment: Plant Modification

The plant is in original condition.

Hazard(s): Strains

Relevant References: AS1470, AS2153.1, AS2153.2, AS2153.6, AS2153.7, AS2953, ISO31000-2009 Risk Management, ISO3691-1980



Preliminary Risk Rating: MEDIUM 9

Residual Risk Rating: LOW 1

Risk Treatment: 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.

Hazard(s): Incorrect Operation

Relevant References: AS1470, AS2153, ISO31000-2009 Risk Management



Preliminary Risk Rating: HIGH 22

Residual Risk Rating: MEDIUM 15

Risk Treatment: Maintenance Manual

The manufacturer's maintenance manual(s) has been supplied for this item of plant

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.

A complete risk assessment/JSEA must be undertaken covering all inspection, maintenance, servicing and transportation requirements of this piece of plant prior to use.

A full assessment of the competence of people using the book(s) must also be undertaken



Hazard(s): Crushing

Relevant References: AS1470, AS1636, AS2294, ISO31000-2009 Risk Management

Preliminary Risk Rating: HIGH 22

Residual Risk Rating: MEDIUM 15

Risk Treatment: 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.



Hazard(s): Burns, Striking

Relevant References: AS2550, AS2671-2002, ISO31000-2009 Risk Management, ISO4413-1998

Preliminary Risk Rating: HIGH 22

Residual Risk Rating: MEDIUM 15

Risk Treatment: Hydraulic Damage

The hydraulic hoses to this item of plant are protected against damage arising from contact with the plant structure. Ensure this protection is in place at all times whilst this item of plant is in operation. Inspection of this protection system should be conducted regularly and documented as part of your plant safety programme.



Hazard(s): Collision, Instability

Relevant References: AS1470, ISO31000-2009 Risk Management

Preliminary Risk Rating: HIGH 22

Residual Risk Rating: MEDIUM 15

Risk Treatment: Tyres

The tyres and wheel components must be inspected as part of a "pre start" checklist. These inspections must be documented as part of your plant safety programme.



Hazard(s): Operational Malfunction

Relevant References: AS1470, ISO31000-2009 Risk Management

Preliminary Risk Rating: HIGH 21

Residual Risk Rating: LOW 5

Risk Treatment: Service Records

Service and maintenance records are available for this item of plant.

These records must continue to be maintained and stored in a secure area as part of your plant safety management programme. This programme includes the undertaking of regular inspections concerning the general condition of the item of plant including (but not limited to) tyre condition, oil levels and wear and tear on critical items such as brakes and steering, etc. All OEM prescribed, scheduled and non scheduled maintenance must also be documented as part of these records and attended to within a risk management framework.



Hazard(s): Poor Visibility

Relevant References: AS1470, AS2153, ISO31000-2009 Risk Management

Preliminary Risk Rating: MEDIUM 9

Residual Risk Rating: LOW 4

Risk Treatment: Windows & Screens

Ensure the cabin/work area safety glass windows and screens are kept clean and free from cracks and other damage at all times whilst this item of plant is in use.



Hazard(s): Operational Malfunction

Relevant References:

Preliminary Risk Rating: HIGH 22

Residual Risk Rating: LOW 2

Risk Treatment: Major Fluid Leaks

This item of plant must remain free from major and minor leaks at all times whilst in operation (this includes engine, transmission, cooling system, air, fuel, drive line, wheel hubs, steering and hydraulics). Development of a major leak will require this item of plant to be stood-down until repaired. Minor leaks detected must be repaired within 1-14 days.

SECTION 5

PHOTOS AND VIDEOS

IMAGE

ALPHABETICALLY

There are no photos

<END OF RISK ASSESSMENT REPORT>



Report Number CCFS#20111031-1256
Assessment Date 31-October-2011
Assessor Matt Ireland
Company CCF South Australia Remotes
Make New Holland
Model LM1745
Type Telescopic Handler
Identifier N9HK37003
Lot Number
Assessment Purpose Sale
State SA

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.

Company Name _____

First Name _____ Surname _____

Address _____

Suburb/Town _____ State _____ Postcode _____

Phone _____ Fax _____ Mobile _____

Email Address _____

Signature _____ Date _____

Can Online Safety Systems contact the purchaser with important OH&S information ? (please tick one)
Yes
No

The manufacturers' operational & maintenance handbooks have been supplied, _____ (initial) (please tick one)
Yes
No

Please transfer this assessment to my Plant Assessor membership as a Hire / Plant in Use assessment (circle either)

My Plant Assessor username is _____