



Work Order Summary



Fortescue

Work Order: 2200650633 - 1D Inspect LV Workshop Night Shift

Main Work Centre:	MPLV Light Vehicles	Revison No:	MP23WK49
Planner Group:	M17 Light Vehicle 1	Start Date:	10.12.2023
Function location:	CLB-NP-DROP-OPERAB-BU0224		
FL Desc:	BU0224 LV Workshop	Activity Type:	213
Sort Field:	DROP-BU0224	Priority:	4
Equipment Number:		Reservation:	11717652
Eq Desc:		Ctr./Meas. Reading:	

Fortescue Message:

Life Saving Choices

When travelling or working remotely use communication and tracking devices that can be activated in the case of emergency (sat, mobile, radio, GPS tracker, IVMS, TETRA, Apps etc.)

Operation Detail List:

Op	Description:	Work center:	Start Date:	No. Cap:	Plan Dur:	Act Dur:
0010	Inspect LV Workshop Night Shift	MPLV-FTL	10.12.2023	1	0	0



Work Order Summary



Fortescue

Work Order: 2200650633 - 1D Inspect LV Workshop Night Shift

Main Work Centre:	MPLV Light Vehicles	Revison No:	MP23WK49
Planner Group:	M17 Light Vehicle 1	Start Date:	10.12.2023
Function location:	CLB-NP-DROP-OPERAB-BU0224		
FL Desc:	BU0224 LV Workshop	Activity Type:	213
Sort Field:	DROP-BU0224	Priority:	4
Equipment Number:		Reservation:	11717652
Eq Desc:		Ctr./Meas. Reading:	_____

FEEDBACK

Action (What you did):

As per SAP entry

Damage (What you found):

Cause (Why it happened):



Work Order Scope



Fortescue

Work Order: 2200650633 - 1D Inspect LV Workshop Night Shift

Main Work Centre:	MPLV Light Vehicles	Revison No:	MP23WK49
Planner Group:	M17 Light Vehicle 1	Start Date:	10.12.2023
Function location:	CLB-NP-DROP-OPERAB-BU0224		
FL Desc:	BU0224 LV Workshop	Activity Type:	213
Sort Field:	DROP-BU0224	Priority:	4
Equipment Number:		Reservation:	11717652
Eq Desc:		Ctr./Meas. Reading:	

Fortescue Message:

Life Saving Choices

You have the choice to save your life.
These are non-negotiable controls that must be followed to protect you and your workmates

Operations Detail List:

Op	Description:	Work center:	Start Date:	No. Cap:	Plan Dur:	Act Dur:
0010	Inspect LV Workshop Night Shift	MPLV-FTL	10.12.2023	1	0	0



Fortescue

Work Order Scope

Work Order: 2200650633 - 1D Inspect LV Workshop Night Shift

Main Work Centre:	MPLV Light Vehicles	Revison No:	MP23WK49
Planner Group:	M17 Light Vehicle 1	Start Date:	10.12.2023
Function location:	CLB-NP-DROP-OPERAB-BU0224	Activity Type:	213
FL Desc:	BU0224 LV Workshop	Priority:	4
Sort Field:	DROP-BU0224	Reservation:	11717652
Equipment Number:		Ctr./Meas. Reading:	
Eq Desc:			

FEEDBACK

COMPLETION CHECKS

Completed By: JAYSON REAFRENT
(Print Name)

Date: 16-12-23

Supervisor: R. S.
(Print Name)

Supervisor:
(Signature)

Date: 10/02/93



LV Workshop Daily Inspection

Inspection Details

Work Order No.	2200650638	Site	CLOUDBREAK
Date	10-12-23	Location	LW
Inspected by	JAYSON PUGAPRENTE	Department	Mobile Maintenance – LV Workshop
Shift	<input type="checkbox"/> Day <input checked="" type="checkbox"/> Night	Crew	<input checked="" type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D

Job Information

Item

Description

Legend

A

Inspection Completed, no defects found.

B

Inspection Completed, defects corrected.

C

Inspection Completed, defects noted, further repairs needed. Raise a Notification.

N

Defects causing Asset NOT to be Serviceable. Raise a Notification.



Put your initial in the column A, B, C or N to indicate the status of each task.

- Leave blank if service / check is not required.

Light Vehicle Bays

Legend

Enter Initials (No ticking)

Comments

A B C N

Step#	Task Description	Initials
1.	Walkways are clear of slip and trip hazards.	JN
2.	General work areas are tidy and clear of slip and trip hazards	JN
3.	Rubbish bins have enough capacity for a full shift.	JN
4.	Extension leads and air hoses are stored correctly.	JN
5.	Check all airlines /fittings for condition and leaks	JN
6.	Check all water hoses and reels for condition and leaks	JN
7.	Fire extinguishers are in place, in date (6 months) and have clear access.	JN
8.	Fire hose reels to be checked and tested for correct operation.	JN
9.	Safety shower and eye wash is operational.	JN
10.	Oil spill bins (yellow) and rag bins (blue) are stocked.	JN
11.	Hazchem cupboards are stocked, tidy and MSDS file is in place.	JN
12.	Trauma kit is accessible and stocked.	JN
13.	Water coolers and ice machine are operational.	JN

Issue Date:

Prepared by:

Reviewed by:

Approved by:

6/09/2022

Abei Ding

Jayden Briggs/Kim Crosswell

John Shrives

LV Workshop Daily Inspection

CB-CK-MN-0010

Rev 10

Step#	Task Description	Legend				Comments
		A	B	C	N	
14.	Hand wash station is clean, tidy and paper towel stocked.	JN				
15.	Wheel chocks, floor protectors, machine stands and jacks are stored correctly.	JN				
16.	Vehicle hoists are operational and without defects.	JN				
17.	Hoist prestart inspections have been completed.	JN				
18.	Old parts are disposed of correctly.	JN				
19.	Work benches are clear of tools and old parts.	JN				
20.	All internal and external lighting is operational.	JN				
21.	All roller doors are operational.	JN				
22.	Robowash is clean and operational.	JN				
23.	Grinder is clean and operational. Support gap is properly adjusted and stone and wire wheel are in good condition.	JN				
24.	Drill press, hydraulic and arbor presses are clean and operational.	-				
25.	Remove any non-maintenance cones from workshop area.	JN				
	• Orange cone with green tape = Maintenance.					
	• Blue with silver tape = Hazard.					

Hydrocarbon and Battery Storage Area

Step#	Task Description	Legend				Comments
		A	B	C	N	
26.	Empty hydrocarbon containers and drums have been correctly disposed of.	JN				
27.	Battery storage area is tidy and old battery disposal bin is not full.	JN				
28.	Oil reel station is clean and reels are operational. Drain trolleys are clean, operational and empty.	JN				
29.	All 205L oil drums and 1000L coolant pod are more than $\frac{1}{4}$ full.	JN				
30.	20L High Pressure Grease pumps are more than $\frac{1}{4}$ full, operational and grease lines and handpieces are in good condition.	JN				
31.	Tool room is tidy and clear of slip and trip hazards.	JN				
32.	Drawers are clear of unnecessary documents, parts and are stocked with electrical consumables.	JN				

Step#	Task Description	Legend				Comments
		Enter Initials (No ticking)				
		A	B	C	N	
33.	Compactus and shelves are neat, organised and consumables are stocked (drill bits, grinding wheel, emery cloth etc.).	JW				
34.	Nuts and bolts are tidy and stocked.	JW				
35.	Concrete apron is clear of slip and trip hazards.	JW				
36.	Inspect power tool board for any missing tools.	JW				

Indoor and Outdoor Ancillary Truck Bays

Step#	Task Description	Legend				Comments
		Enter Initials (No ticking)				
		A	B	C	N	
37.	Walkways are clear of slip and trip hazards.	JW				
38.	Fire extinguishers are in place, in date (6 months) and have clear access. Fire hose reels to be checked and tested for correct operation.	JW				
39.	Safety shower and eye wash are operational.	JW				
40.	Waste bins are empty.	JW				
41.	Extension leads and air hoses are stored correctly.	JW				
42.	Check all airlines /fittings for condition and leaks	JW				
43.	Check all water hoses and reels for condition and leaks	JW				
44.	General work areas are clear of slip and trip hazards.	JW				
45.	Wheel chocks, floor protectors, machine stands and jacks are stored correctly.	JW				
46.	Vehicle hoists are operational and without defects.	JW				
47.	Hoist prestart inspections have been completed.	JW				
48.	Old parts are disposed of correctly.	JW				
49.	Work benches are clear of tools and old parts.	JW				
50.	Hydrocarbon station drip trays and drain trolleys are clean empty and operational.	JW				
51.	1000L coolant and oil pod is more than 1/4 full.	JW				
52.	Oil spill bins (yellow) and rag bins (blue) are stocked.	JW				
53.	Concrete apron is clear of slip and trip hazards.	JW				
54.	Work platforms and ladders are clean and operational.	JW				



Work Order Scope



Fortescue™

Work Order: 2200610079 - TR2007 Compressor Engine Service

Main Work Centre:	MPLV Light Vehicles	Revison No:	MP23WK49
Planner Group:	M17 Light Vehicle 1	Start Date:	10.12.2023
Function location:	CLB-MP-LV01-TRAILR-TR2007		
FL Desc:	TR2007 Shermac Service Trailer	Activity Type:	210
Sort Field:	TR2007-COMPRESSOR-ENGINE	Priority:	4
Equipment Number:	300260055	Reservation:	11631990
Eq Desc:	Engine Yanmar Diesel	Ctr./Meas. Reading:	

Fortescue Message:

Life Saving Choices
 You have the choice to save your life.
 These are non-negotiable controls that must be
 followed to protect you and your workmates

Work Order Long Text:

TR2007 Compressor Engine Service

* * AVAILABLE CAT CAGE 22 01.11 AST* *

Operations Detail List:

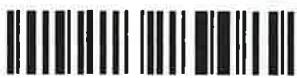
Op	Description:	Work center:	Start Date:	No. Cap:	Plan Dur:	Act Dur:
0010	3M Yanmar L48 Engine Service & Insp	MPLV-FTL	10.12.2023	1	0	0

Materials

Item:	Material:	Description:	Qty:	UOM:	Withdrawn:	Used Y/N
		Recipient: Unloading Point:				
0001	3090584	FILTER AIR L40 L70 YANMAR L48 TR2007 CB-L/V WORK SHOP	1	EA		1

Material Purchased

Item:	Purchasing Doc:	Description:	Qty:	UOM:	Withdrawn:	Used Y/N
		Recipient: Unloading Point:				
0001	4502309346/10	FILTER AIR L40 L70 YANMAR L48 TR2007 CB-L/V WORK SHOP	1	EA		1



Work Order Scope



Fortescue

Work Order: 2200610079 - TR2007 Compressor Engine Service

Main Work Centre:	MPLV Light Vehicles	Revision No:	MP23WK49
Planner Group:	M17 Light Vehicle 1	Start Date:	10.12.2023
Function location:	CLB-MP-LV01-TRAILR-TR2007		
FL Desc:	TR2007 Shermac Service Trailer	Activity Type:	210
Sort Field:	TR2007-COMPRESSOR-ENGINE	Priority:	4
Equipment Number:	300260055	Reservation:	11631990
Eq Desc:	Engine Yanmar Diesel	Ctr./Meas. Reading:	

FEEDBACK

COMPLETION CHECKS

Completed By: JAY(SOB) RICAFENESE
(Print Name)

Date: 10-12-93

Supervisor: A. S. Supervisor:
(Print Name) (Signature)

LL Date: 10/12/23



Work Order Scope



Fortescue

Work Order: 2200610079 - TR2007 Compressor Engine Service

Main Work Centre:	MPLV Light Vehicles	Revison No:	MP23WK49
Planner Group:	M17 Light Vehicle 1	Start Date:	10.12.2023
Function location:	CLB-MP-LV01-TRAILR-TR2007		
FL Desc:	TR2007 Shermac Service Trailer	Activity Type:	210
Sort Field:	TR2007-COMPRESSOR-ENGINE	Priority:	4
Equipment Number:	300260055	Reservation:	11631990
Eq Desc:	Engine Yanmar Diesel	Ctr./Meas. Reading:	

Fortescue Message:

Driving
Always drive to conditions and never drive tired.

Work Order Long Text:

TR2007 Compressor Engine Service

* * AVAILABLE CAT CAGE 22 01.11 AST* *

Operations Detail List:

Op	Description:	Work center:	Start Date:	No. Cap:	Plan Dur:	Act Dur:
0030	Yanmar L48 Engine Oil Change	MPLV-FTL	10.12.2023	1	0	0



Work Order Scope



Fortescue

Work Order: 2200610079 - TR2007 Compressor Engine Service

Main Work Centre:	MPLV Light Vehicles	Revision No:	MP23WK49
Planner Group:	M17 - Light Vehicle 1	Start Date:	10.12.2023
Function location:	CLB-MP-LV01-TRAILR-TR2007		
FL Desc:	TR2007 Shermac Service Trailer	Activity Type:	210
Sort Field:	TR2007-COMPRESSOR-ENGINE	Priority:	4
Equipment Number:	300260055	Reservation:	11631990
Eq Desc:	Engine Yanmar Diesel	Ctr./Meas. Reading:	_____

FEEDBACK

COMPLETION CHECKS

Completed By: JAYSON LUCKFENWELL
(Print Name)

Date: 10-12-23

Supervisor: At Cis
(Print Name)

Supervisor:
(Signature)

Date: 10/12/23



Work Order Summary



Work Order: 2200610079 - TR2007 Compressor Engine Service

Main Work Centre:	MPLV Light Vehicles	Revison No:	MP23WK49
Planner Group:	M17 Light Vehicle 1	Start Date:	10.12.2023
Function location:	CLB-MP-LV01-TRAILR-TR2007		
FL Desc:	TR2007 Shermac Service Trailer	Activity Type:	210
Sort Field:	TR2007-COMPRESSOR-ENGINE	Priority:	4
Equipment Number:	300260055	Reservation:	11631990
Eq Desc:	Engine Yanmar Diesel	Ctr./Meas. Reading:	

Fortescue Message:

Life Saving Choices

When travelling or working remotely use communication and tracking devices that can be activated in the case of emergency (sat, mobile, radio, GPS tracker, IVMS, TETRA, Apps etc.)

Work Order Long Text:

TR2007 Compressor Engine Service

** AVAILABLE CAT CAGE 22 01.11 AST**

Operation Detail List:

Op	Description:	Work center:	Start Date:	No. Cap:	Plan Dur:	Act Dur:
0010	3M Yanmar L48 Engine Service & Insp	MPLV-FTL	10.12.2023	1	0	0

Materials

Op:	Item:	Material:	Description:	Recipient:	Unloading Point:	Qty:	UOM:	Withdrawn:	Used Y/N
0010	0001	3090584	FILTER AIR L40 L70 YANMAR L48	TR2007	CB-L/V WORK SHOP	1	EA		1

Materials Purchased

Op:	Item:	Purchasing Doc:	Description:	Recipient:	Unloading Point:	Qty:	UOM:	Withdrawn:	Used Y/N	Part Number:
0010	0001	4502309346/10	FILTER AIR L40 L70 YANMAR L48	TR2007	CB-L/V WORK SHOP	1	EA		1	

Op	Description:	Work center:	Start Date:	No. Cap:	Plan Dur:	Act Dur:
0030	Yanmar L48 Engine Oil Change	MPLV-FTL	10.12.2023	1	0	0



Fortescue

Work Order Summary

Work Order: 2200610079 - TR2007 Compressor Engine Service

Main Work Centre:	MPLV Light Vehicles	Revison No:	MP23WK49
Planner Group:	M17 - Light Vehicle 1	Start Date:	10.12.2023
Function location:	CLB-MP-LV01-TRAILR-TR2007	Activity Type:	210
FL Desc:	TR2007 Shermac Service Trailer	Priority:	4
Sort Field:	TR2007-COMPRESSOR-ENGINE	Reservation:	11631990
Equipment Number:	300260055	Ctr./Meas. Reading:	
Eq Desc:	Engine Yanmar Diesel		

FEEDBACK

Action (What you did):

As per Sap entry

Damage (What you found):

Cause (Why it happened):



Work Order Summary



Fortescue

Work Order: 2200645628 - IS0010 Inspection

Main Work Centre:	MPLV Light Vehicles	Revison No:	MP23WK49
Planner Group:	M17 Light Vehicle 1	Start Date:	10.12.2023
Function location:	CLB-MP-LV01-TRUCKS-IS0010		
FL Desc:	IS0010 Isuzu FVZ 6X4 Tilt Tray Truck	Activity Type:	213
Sort Field:	IS0010	Priority:	2
Equipment Number:		Reservation:	11705389
Eq Desc:		Ctr./Meas. Reading:	45870

Fortescue Message:

Task At Hand

Ensure the work area is free from hazards that can cause lacerations or puncture wounds such as protruding screws, bolts or sharp edges

Operation Detail List:

Op	Description:	Work center:	Start Date:	No. Cap:	Plan Dur:	Act Dur:
0010	Isuzu FVZ1400 6x4 2M Inspection	MPLV-FTH	10.12.2023	1	0	0



Fortescue™

Work Order Summary

Work Order: 2200645628 - IS0010 Inspection

Main Work Centre:	MPLV Light Vehicles	Revison No:	MP23WK49
Planner Group:	M17 Light Vehicle 1	Start Date:	10.12.2023
Function location:	CLB-MP-LV01-TRUCKS-IS0010	Activity Type:	213
FL Desc:	IS0010 Isuzu FVZ 6X4 Tilt Tray Truck	Priority:	2
Sort Field:	IS0010	Reservation:	11705389
Equipment Number:		Ctr./Meas. Reading:	
Eq Desc:			

FEEDBACK

Action (What you did):

AS PER SAP ENTRY

Damage (What you found):

Cause (Why it happened):



MOBILE MAINTENANCE – LIGHT VEHICLES

CB-00039-CK-MN-0013

CLOUDBREAK ADDITIONAL DAMAGE REPORT

CLOUDBREAK LIGHT VEHICLES DEPARTMENT DAMAGE REPORTING SHEET

This sheet **must** be filled out where damage **OTHER** than fair wear & tear is noted while inspecting or servicing a vehicle. This sheet is to be filled out, with a description of the damage(s) as well as pictures, and then signed and submitted to the LV supervisor on shift.

The LV supervisor will then notify the responsible department's supervisor. The responsible department is to create an incident report in BMS and supply the number to the LV supervisor to record.

Once completed, this sheet will be uploaded as an attachment to the vehicle's function location in SAP, and a copy saved into the file location M:\Mine Services\Maintenance\Maintenance Support\Vehicle Damage with the vehicle fleet ID saved in the file name.

Service/Inspection Date:	Vehicle ID:
Kilometres / Hours:	Vehicle Make/Model:
Department: <small>(department which is responsible for the vehicle)</small>	Contact: <small>(contact details of the department which is responsible for the vehicle)</small>

Damaged Area	Description of the Damage

Rev 0

PREPARED BY

20/03/2017

100-TE-DC 2022.0

PREPARED BY
Kim Esbrey

161

Kiberey

CHECKED BY

New Almanac

BY


APPROVED BY

Graham Howard

APPROVED BY
Graham Howard

Department
MOBILE MAINTENANCEDocument Number
CB-WI-UT-0012Section
SAFE WORK INSTRUCTIONTitle
Simple Isolation of Light Vehicles on LV Hoist**JOB SPECIFIC RESOURCES**

Green Banded Cones	<input type="checkbox"/>	Sentry & Sentry Board	<input type="checkbox"/>	Fire Blankets	<input type="checkbox"/>	Wheel Chocks	<input type="checkbox"/>
Drinking Water	<input type="checkbox"/>	Running Water	<input type="checkbox"/>	Voltage Reducer	<input type="checkbox"/>	Extinguishers	<input type="checkbox"/>
Warning Signs	<input type="checkbox"/>	Fire Watch	<input type="checkbox"/>	Radio	<input type="checkbox"/>	First Aid Kit	<input type="checkbox"/>

DESCRIPTION OF WORK

This procedure outlines the steps to safely isolate light vehicles on LV hoist.

LIFE SAVING CHOICES

The twelve choices define the standards that shall be met in our workplace to ensure safe systems of work, and to guide you in making the correct decisions. The choices you make, every single day, are fundamental to creating a safe operation. The non-negotiable choices are:

LIFE SAVING CHOICES

	Use fall injury protection when working at height.		Secure tools and barricade work areas to prevent dropped objects.		Always walk and work outside the footprint of a suspended load.
	Stop at stop signs and rail crossings.		Verify isolations before work begins.		Confirm stored energy has been controlled before work begins.
	When driving wear a seat belt and obey speed limits.		When travelling or working remotely use communication and tracking devices.		Only inflate tyres in an approved tyre safety device.
	Maintain 3 metres from track and only work within authorisation limit.		Wear a PFD when working above water.		Obtain authorisation to enter explosives exclusion zones.

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Rev	Description of Rev/Comments:	Prepared by	Reviewed By	Approved By	Review Date	Issue Date	Page
8	Issued for Use	Kim Crosswell	Jayden Briggs	John Shrvies	24/01/2026	24/01/2023	2 of 7

Document Number & Title ****Simple Isolation of Light vehicles on lv hoist****



Department

MOBILE MAINTENANCE

Document Number

CB-WI-UT-0012

Section

SAFE WORK INSTRUCTION

Title

Simple Isolation of Light Vehicles on LV Hoist

- JOB STEP AND CONTROL METHODS**

No. 1	Create a clear plan of the task		
	Hazards	Controls	Image or Diagram
	<ul style="list-style-type: none"> The task may move away from the intended scope of work. Other hazards may exist in the surroundings at the work area. Risks from others working in close proximity. Unfamiliarity with area and task activity. 	<ul style="list-style-type: none"> Undertake a Take Control before undertaking the task to identify any immediate hazards. Review any procedures / SWI associated with the task. If task deviates from SWI a JHA SHALL be completed and approved by the area Supervisor. Where required when working in proximity of others, communicate your arrival. Only personnel who are trained, assessed and authorised shall operate the vehicle. 	 

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8	Issued for Use	Kim Crosswell	Jayden Briggs	John Shrives	24/01/2026	24/01/2023	3 of 7

Document Number & Title ****Simple Isolation of Light vehicles on lv hoist****

10000003570 ACA_000_007/jlh awsssperrapp5 Brandon UDILJAK 2023-12-1015:23:26 1/000



No. 2	Drive light vehicle into workshop onto hoist		
	Hazards	Controls	Image or Diagram
	<ul style="list-style-type: none"> Vehicles entering / exiting the workshop expose personnel to potential injury. Driving onto hoist without a second person to guide (spot) can result in equipment damage and or injury to personnel. Vehicle must be positioned centrally on hoist. There are 3 main types of Light vehicle hoists in the LV workshop that you must be familiar with to ensure vehicle TARE weight (plus weight of oils in module) does not exceed the hoist limit. If unsure personnel must notify supervisor. Scania G410 Service truck – 35,500kg With all oil tanks full. Excludes bulk fuel. 	<ul style="list-style-type: none"> All Light Vehicles require spotting in and out of the workshop. A second person is to use clear hand signals when directing operator as per light vehicle spotting procedure. RAV4501L hoist must not exceed SWL 5000kg STENHOJ hoist must not exceed SWL 8000kg STERTIL-KONI hoist must not exceed SWL 7250kg per column <ul style="list-style-type: none"> 4 posts 29,000kg 6 posts 43,500kg 	    

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8	Issued for Use	Kim Crosswell	Jayden Briggs	John Shrives	24/01/2026	24/01/2023	4 of 7

No.03	Park vehicle and carry out Simple Isolation		
	Hazards	Controls	Image or Diagram
	<ul style="list-style-type: none"> Vehicles parked when left fundamentally UNSTABLE can cause equipment damage and or injury to personnel. Working on vehicles un-isolated exposes personnel to uncontrolled vehicle energy (electrical, mechanical) Working under a raised hoist can expose personnel to potential crush injuries should the hoist fail. 	<ul style="list-style-type: none"> Operator must apply handbrake and leave vehicle in gear to put wheel chocks in place. Once vehicle has wheel chocks in place the operator can then leave the vehicle out of gear with park brake released. Refer to Fortescue Isolation and tagging procedure (100-PR-SA-1028) carry out simple Isolation. Whenever a vehicle is on the hoist, the hoist needs to be isolated regardless of the level of the platform (when it is on the ground) as per isolation procedure 100-PR-SA-1028. The hoist may only be un-isolated for operation. 	  

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Description of Rev/Comments: **Prepared by:** _____ **Reviewed By:** _____



No. 7	Hazard Reporting		
	Hazards	Controls	Image or Diagram
	<ul style="list-style-type: none"> Hazards not communicated to Supervisors for rectification can lead to putting yourself and others in danger. 	<ul style="list-style-type: none"> If any hazard/s were identified during this task either remove the hazard/s or isolate the Hazard/s. Complete a hazard report in BMS. If the SWI is not valid – by not valid meaning the SWI contains incorrect information report to supervisor for "simple change management" immediately. 	

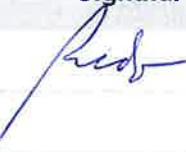
This document is UNCONTROLLED in hard copy unless stamped and specified and managed in controlled document register						
Rev	Description of Rev/Comments:	Prepared by	Reviewed By	Approved By	Review Date	Issue Date
8	Issued for Use	Kim Crosswell	Jayden Briggs	John Shrives	24/01/2026	24/01/2023



	Department MOBILE MAINTENANCE	Document Number CB-WI-UT-0012
	Section SAFE WORK INSTRUCTION	Title Simple Isolation of Light Vehicles on LV Hoist

Signatures

I have received, read, understood and WILL comply with this Standard Work Instruction.

#	Date	Name	SAP Number	Signature
1.	10/12/23	Rod Dizon	655273	
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10				
11				
12				
13				
14				

Accepting Supervisor

1. 10/12/13 At Si 506892 ~~AB~~
2.
3.
4.
5.
6.
7.
8.

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Work Order Scope



Fortescue

Work Order: 2200645628 - IS0010 Inspection

Main Work Centre:	MPLV Light Vehicles	Revison No:	MP23WK49
Planner Group:	M17 Light Vehicle 1	Start Date:	10.12.2023
Function location:	CLB-MP-LV01-TRUCKS-IS0010		
FL Desc:	IS0010 Isuzu FVZ 6X4 Tilt Tray Truck	Activity Type:	213
Sort Field:	IS0010	Priority:	2
Equipment Number:		Reservation:	11705389
Eq Desc:		Ctr./Meas. Reading:	

FEEDBACK

Work Center	Hrs Worked	SAP No:	Name:	Date:
mplv	4	655273	Kos Dizon	10-12-23

COMPLETION CHECKS

Completed By: Kos Dizon Date: 10-12-23
(Print Name)

Supervisor: At Si Supervisor: KK Date: 10/11/23
(Print Name) (Signature)



ISUZU TRUCK N-SERIES - INSPECTION

Date : 10-12-23

LV ID Number : 15010

KM : 48870

COMPRESSOR HOURS (if fitted):

Ensure vehicle is washed underneath prior to starting service.
Please complete service before starting any repairs

INITIAL APPROPRIATE BOX

STEP	TASK	SERVICABLE	DEFECT FOUND AND REPAIRED	NOTI RAISED
	Running Checks			
1.	Site ID numbers affixed and in good condition	R		
2.	Check pre-start book for defects	R		
3.	First aid or trauma kit in vehicle	R		
4.	Walk around check for damage	R		
5.	Check condition of cab interior	R		
6.	Check auto headlights on when engine running	R		
7.	Check operation of beacon and reverse alarm	R		
8.	Operation of horn	R		
9.	Check condition of windscreen wipers and washers	R		
10.	Windscreen and window condition	R		
11.	Mine radio fitted and operational	R		
12.	AM/FM radio operational – If fitted	R		
13.	All mirrors serviceable	R		
14.	Check condition and operation of all seats	R		
15.	Seatbelts fitted and operational	R		
16.	Condition of all pedal rubbers	R		
17.	ROAD TEST	R		
18.	Check operation of speedometer and all gauges	R		
19.	Check operation of air conditioner, blower fan and vent flow	R		
20.	Check service brake operation	R		
21.	Check park brake Holds on an incline	R		
22.	Check exhaust brake operation	R		
23.	Check for abnormal noises during road test	R		
24.	Check steering operation for stiffness, free play or pulling	R		
25.	Check operation of all lights & warning lights	R		
26.	Check condition and operation of all doors	R		
27.	LV flag fitted and light operational	R		
28.	Lubricate all door locks and hinges	R		
29.	Check tow hitch for damage, wear and security	N/A		
30.	Check tow hitch for damage, wear and security	N/A		

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PREPARED BY

Sam Townsend

CHECKED BY

David Garces

APPROVED BY

Jason Baldacchino

13/03/2020

100-TE-DC-0022_0

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MOBILE MAINTENANCE – LIGHT VEHICLES

ISUZU TRUCK N-SERIES - INSPECTION

INITIAL APPROPRIATE BOX

STEP	TASK	SERVICABLE	DEFECT FOUND AND REPAIRED	NOTI RAISED
31.	Check fire extinguisher (If fitted) Invert and shake LAST TEST DATE / /		R	
32.	Check tyre condition including pressures – Note uneven wear or cuts to all tyres including spare		R	
33.	Check all wheel rims for damage and nut security - Wheel nut indicators must be fitted. If missing re-torque and fit new nut indicators		R	
34.	Report any operator damage to supervisor (panel / fender damage, tray condition, untidy / unclean condition, seat material tears, check straps, tray / body corrosion etc)		R	
Service Checks & Repairs				
35.	Check lockable isolator for operation / damage / cracks / corrosion (Should be sealed box type)		R	
36.	Check jumpstart receptacles for damage / cracks / corrosion / security (24V Cat plug, 12V Anderson plug)		R	
37.	Check battery for condition, distortion & leaks.		R	
38.	Check battery terminals for condition, check security of mounts & clamps		R	
39.	Top up windscreen washer reservoir		R	
40.	Check cab mounts and pivots for condition and security		R	
41.	Check cab tilt for smooth operation and spring assistance – If excessive resistance is noted when trying to lift cab STOP TASK and reassess before continuing!		R	
42.	Check cab strut and locking mechanism for condition and operation. OEM Locking pin must be in place!		R	
43.	Check cab suspension for condition and security		R	
44.	Check coolant hoses for damage or wear		R	
45.	Check coolant levels. Top up as required Caution: Coolant may be hot. Controlled release of stored energy required		R	
46.	Check belts for condition and adjustment. Adjust as required		R	
47.	Check all tensioners, idler pulley's and bearings		R	
48.	Check radiator for security and debris build up		R	
49.	Check guards on rotating parts for condition & security		R	
50.	Check power steering fluid levels & inspect hoses for wear / condition		R	
51.	Inspect clutch and brake fluid levels. Top up as required		R	
52.	Inspect air filter element/s		R	
53.	Check turbo charger, intercooler, intake system air duct connections and gaskets		R	
54.	Check engine oil. Top up if required Caution: Oil may be hot		R	
Raise Vehicle on Hoist				



ISUZU TRUCK N-SERIES - INSPECTION

INITIAL APPROPRIATE BOX

STEP	TASK	SERVICABLE	DEFECT FOUND AND REPAIRED	NOTI RAISED
55.	Check manual transmission oil OR AMT Clutch fluid. Top up if required	R		
56.	Check for leaks from gearbox, transfer case, and diffs. Top up as required	R		
57.	Check for leaks: Fuel, brake, cooling, oil, air & exhaust systems	R		
58.	Check all steering components and test steering wheel free play	R		
59.	Check front and rear wheel bearings for free play. Report, adjust or replace as required	R		
60.	Lubricate all grease points	R		
61.	Check brake linings for wear, Cyl leaks (Inspection holes only) Raise notify for next service if change out is required	R		
62.	Check brake pedal travel and free play. Adjust as required, as per OEM specifications	R		
63.	Check condition of brake pipes and hoses	R		
64.	Check park brake cables for wear and damage. Adjust if required	R		
65.	Check condition of drive shafts & universal joints	R		
66.	Lubricate universal joints & sliding sleeve	R		
67.	Check front and rear suspension for wear or damage	R		
68.	Grease all suspension and steering components	R		
69.	Inspect gear control cable	R		
70.	Clutch pedal travel & free play (N/A for AMT models). Adjust if required	R		
71.	Check body mount condition including engine and gearbox. Re-torque bolts and nuts (if required)	R		
72.	Check shock absorbers for fluid leaks and operation	R		
73.	Check the underside of the vehicle for damage	R		
74.	Connect Isuzu diagnostic tool, check, note and/or repair any codes recorded. Raise notifications as required. Carry out DPF regen if required	R		
75.	Carry out a test drive	R		

Repairs required at next service:

Inspection Completed By:

Name: Ron DixonSign: Ron Dixon

Name: _____

Sign: _____

Supervisor: Name: Mark SmithSign: MS



CLOUDBREAK TIPPER BODY – INSPECTION

Service Date:	16-12-23	Vehicle ID Number:	150010
Department:			

INITIAL APPROPRIATE BOX

STEP	TASK	SERVICABLE	DEFECT FOUND AND REPAIRED	DEFECT FOUND, NOTIFICATION RAISED
Tipper Body				
1	Tipper is not to be raised until it has been determined to be empty and free of hang up		R	
2	Check all manual controls and operation decals		R	
3	Check operation of PTO		R	
4	Check tipper body is securely attached to truck chassis and spacers are in place (if fitted)		R	
5	Check the operation of the tipper through full range (up/down/tailgate) on flat level ground		R	
6	Check and grease all tray pivots, tail gate hinges and locking mechanism		R	
7	Check the tipper body, tail gate and chassis framework for cracks or damage		R	
8	Check the tail gate locking mechanism is functional and hinges are moving freely		R	
9	Check operation of side clearance lights on tipper body		R	
Hydraulics				
10	No work is to be conducted under tray until cylinder lock is in place		R	
11	Check the hydraulic cylinder for leaks or damage		R	
12	Check the hydraulic lines for leaks or cracks		R	
13	Check cylinder mounts for cracks, damage or signs of fatigue		R	
14	Check cylinder pivots and pins for wear		R	
15	Check all cylinder mounting bolts are secure		R	
16	Check hydraulic tank and fitting for leaks or damage		R	
17	Grease all points on the hydraulic cylinder		R	
18	Replace the hydraulic filter at C Service		R	
19	Replace hydraulic oil at C Service or as required		R	
Pneumatic				
20	Check the tail gate locking cylinder (booster) and air lines for cracks, damage, leaks.		R	

Rev 1

PREPARED BY

Sam Townsend

21/10/2017

CHECKED BY

Simon Oaks

APPROVED BY

Russell Lovelle



CLOUDBREAK TIPPER BODY – INSPECTION

Notification Number	Repairs Required at Next Service

Extra Parts Required Before Next Service

Additional Comments

Service Completed By	Checked by Supervisor
Print Name: <i>Rod Diven</i>	Print Name: <i>Dt S</i>
Signature: <i>Rod</i>	Signature: <i>LLS</i>

Rev 1
21/10/2017
100-TE-DC-0

PREPARED BY
Sam Townsend
[Signature]

CHECKED BY
Simon Oaks
[Signature]

APPROVED BY
Russell Lovelle
[Signature]



SWI for Light Vehicle Service and Inspection <5t GVM/18 seats



1. PURPOSE

The purpose of this Standard Work Instruction is to provide a safe system of work for all personnel required to perform monthly inspections and servicing on light vehicles <5t GVM /18 seats safely and in a consistent manner and to provide a clear step by step process in which the task **MUST** be followed.

This instruction describes what **MUST** be done and how it is to be done. This is a standard work instruction for performing monthly inspections and servicing on light vehicles <5t GVM /18 seats in the Light Vehicle workshop environment. This SWI is to be used in conjunction with the applicable Inspection sheet

2. DEFINITIONS

- **SHALL, MUST** and **WILL** are mandatory.
- Should is recommended, but not mandatory.

3. SCOPE

This Standard Work Instruction **SHALL** relate to all Mine personnel required to inspect Light Vehicles <5t GVM /18 seats. Personnel **SHALL** comply with Fortescue's **LIFE SAVING CHOICES**. This Standard Work Instruction supersedes all previous Standard Work Instructions and Site Notices.

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Prepared by:	Reviewed by:	Approved by:	To Be Reviewed	Issue Date:	Page 1 of 7
Kim Crosswell	Jamie Baraldi	John Shrvies	03/08/2026	03/08/2023	
			CB-WI-UT-0011	Revision No: 6	

4. LIFE SAVING CHOICES

The twelve choices define the standards that **SHALL** be met in our workplace to ensure safe systems of work, and to guide you in making the correct decisions. The choices you make, every single day, are fundamental to creating a safe operation. The non-negotiable choices are:

LIFE SAVING CHOICES					
	Use fall injury protection when working at height.		Secure tools and barricade work areas to prevent dropped objects.		Always walk and work outside the footprint of a suspended load.
	Stop at stop signs and rail crossings.		Verify isolations before work begins.		Confirm stored energy has been controlled before work begins.
	When driving wear a seat belt and obey speed limits.		When travelling or working remotely use communication and tracking devices.		Only inflate tyres in an approved tyre safety device.
	Maintain 3 metres from track and only work within authorisation limit.		Wear a PFD when working above water.		Obtain authorisation to enter explosives exclusion zones.

5. AREA

Cloudbreak Light Vehicle Workshop

6. REFERENCES / ASSOCIATED DOCUMENTATION

- [Life Saving Choices](#)
- [Mines Safety and Inspection Act 1994](#)
- [Mines Safety and Inspection Regulations 1995](#)
- [45-PR-SA-0018 Personal Protective Clothing and Equipment](#)
- [100-FR-RK-0004 Job Hazard Analysis](#)
- [100-PR-SA-1028 Isolation & Tagging](#)
- [CB-WI-UT-0012 Isolation of Vehicles Being Maintained on LV Hoist SWI](#)
- Applicable Scheduled PM Inspection Sheet

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7. REQUIREMENTS

PERSONAL PROTECTIVE CLOTHING AND EQUIPMENT (PPCE)

Mandatory Minimum Site Standard



WORK PERMIT REQUIREMENTS

Confined Space Entry	<input type="checkbox"/>	Work Box	<input type="checkbox"/>	Work Permit	<input type="checkbox"/>
Live Electrical Work	<input type="checkbox"/>	Non Standard Lift. If determined as being required	<input type="checkbox"/>	Master Permit	<input type="checkbox"/>
Excavation / Penetration	<input type="checkbox"/>	Work at Height	<input type="checkbox"/>	HV Electrical Permit	<input type="checkbox"/>
Hot Work	<input type="checkbox"/>	O/Side Vessel – Platform	<input type="checkbox"/>	Environmental	<input type="checkbox"/>
Floor Roof Wall Opening	<input type="checkbox"/>	Power Vicinity / Corridor Access	<input type="checkbox"/>		<input type="checkbox"/>

8. JOB STEP AND CONTROL MEASURES

8.1 Create a clear plan of the Task

Control Measures:

- Complete a **Take Control** before commencing the task to identify any immediate hazards.
- If the task deviates from this SWI a JHA SHALL be completed and approved by the area Supervisor.
- Only personnel who are trained, assessed and authorised SHALL perform this work.
- Review any procedures/SWIs associated with the task.

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**8.2 Set up vehicle for service****Control Measures:**

- You must be deemed competent on any vehicle prior to operation. Key may not be turned and vehicle may not be isolated by an individual unless they are deemed competent
- Test drive LV to make sure all is working as it should be before starting inspection, i.e. cv's & clutch operation
- Position vehicle in workshop where inspection is to be conducted.
- If using vehicle hoist refer to SWI for hoist in use. All operators to be deemed competent prior to using hoist
- Work area is clear of unnecessary equipment.
- Wheel chocks are in position.
- Vehicle and hoist to be isolated after running checks as per [CB-WI-UT-0012 Isolation of Vehicles Being Maintained on LV Hoist SWI](#) and [100-PR-SA-1028 Isolation & Tagging](#)

**8.3 Raise engine hood****Control Measures:**

- Make sure engine hood is supported during this process ensuring body parts are kept clear of line of fire and pinch points. Use OEM bonnet support. Report any faults to OEM support and stop task if faults found

8.4 Commence service and inspection as per work order & inspection sheets.**Control Measures:**

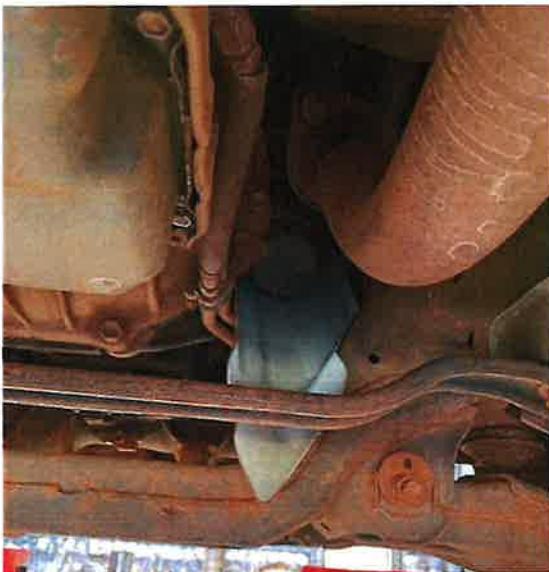
- Follow service check list for vehicle
- Correct PPE for task
- Stay out of line of fire of hot oils and fluids whilst draining
- Beware of mud hang up falling from chassis / underbody
- Beware pinch points and line of fire.
- Direct force away from body when using tooling and keep fingers and hands safe from Line of fire injuries
- Be aware of hot surfaces and sharp edges

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- When draining engine oil use Toyota SST funnels for Hilux and Prado



Toyota SST funnels

8.5 Remove and replace drive belt and pulleys on Landcruiser 40k service.

- Set vehicle up in suitable location for task to be carried out.
- Use appropriate step / platform to assist with access.
- Ensure correct tooling is used while relieving belt tensioner to remove belt.
- Stay out of line of fire of tooling while removing belt. (get assistance if required)
- Be aware of pinch points from tooling and components.
- Be aware of hand placement while carrying out task.

8.6 Complete inspection and move it out of light vehicle workshop

- Make sure vehicle is spotted out of the workshop.
- Clean up work area and maintain housekeeping standards.

8.7 Test drive LV to make sure all is working as it should be & perform brake test

- You must be deemed competent on any vehicle prior to operation. Key may not be turned and vehicle may not be isolated by an individual unless they are deemed competent
- Drive to condition.
- **8.8 If scope of task changes to encompass task not covered by SWI a JHA for that task must be completed**

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STANDARD WORK INSTRUCTION

Title

Light Vehicle Service and Inspection

8.9 Reporting Responsibilities

Incident and Accident Reporting

Control Measures:

In the event of any incident, accident or near miss the operator **SHALL** do the following

- **THE MACHINE OR MACHINES MUST NOT BE MOVED FROM THE INCIDENT OR ACCIDENT SCENE UNDER ANY CIRCUMSTANCES.**
- The Operator **SHALL** contact the Area Supervisor Immediately.
- The Operator **SHALL** inform all immediate people in vicinity of any potential hazards.
- The Operator **MUST** remain with the machine until supervision arrives, but only if it is Safe to do so.
- If the Incident or Accident is deemed an Emergency, the FMG site Emergency procedure **MUST** be followed.

9 Hazard Reporting**Control Measures:**

- If hazards are present remove or isolate them.
- DO NOT put yourself or others in danger.
- If the hazard cannot be removed or isolated, then complete a hazard report and inform your direct Supervisor.

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Fortescue.

MOBILE MAINTENANCE

Document Number
CB-WI-UT-0011Section
STANDARD WORK INSTRUCTION

Title

Light Vehicle Service and Inspection

Signatures

I have received, read, understood and WILL comply with this Standard Work Instruction.

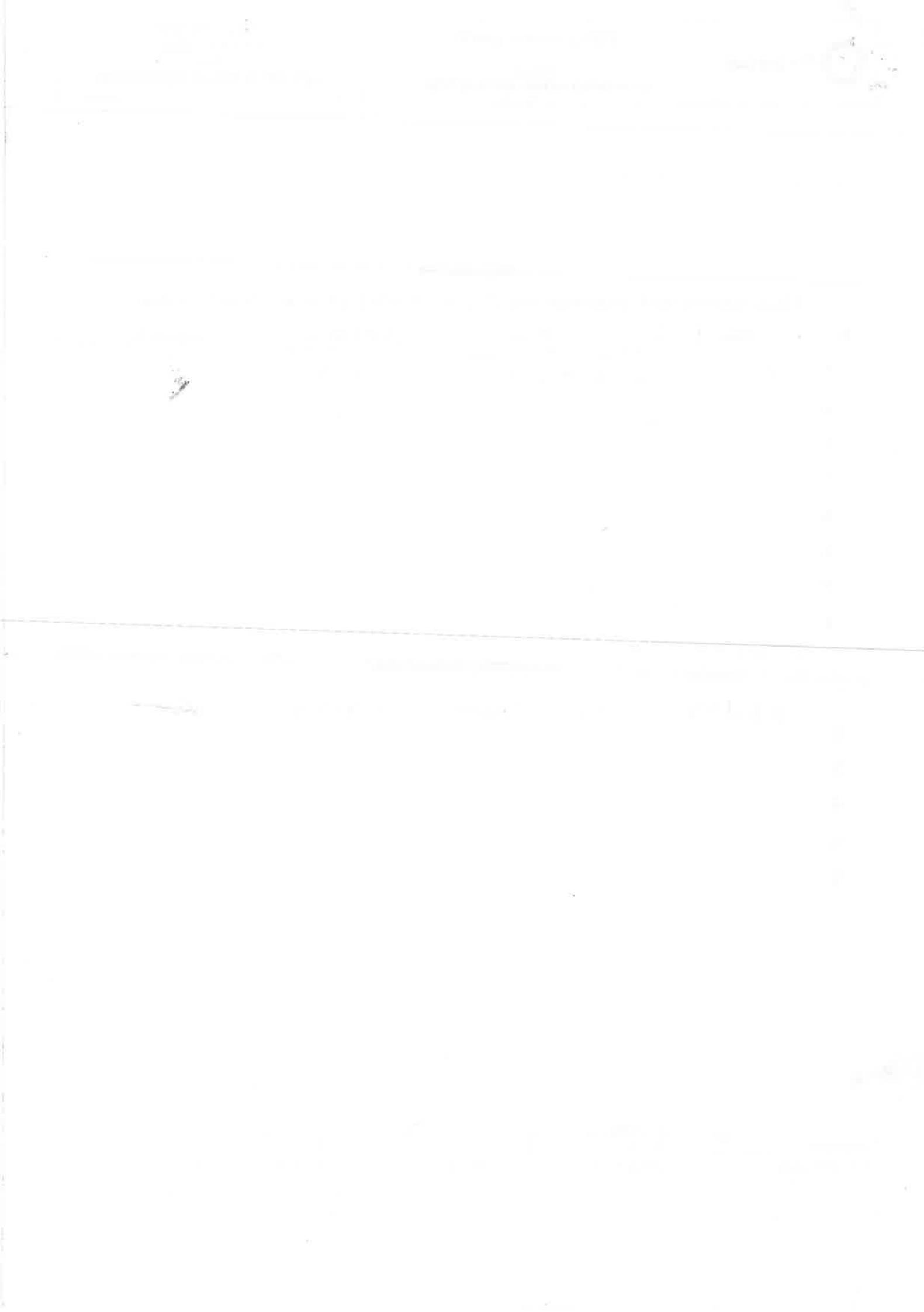
#	Date	Name	SAP Number	Signature
1.	10-12-23	M. Fletcher	57074+	
2.				
3.				
4.				
5.				
6.				
7.				
8.				

Accepting Supervisor

1.	10/12/23	AL SI	SC6892	
2.				
3.				
4.				
5.				
6.				
7.				
8.				

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Simple Isolation of Light Vehicles on LV Hoist

• PURPOSE

The purpose of this Standard Work Instruction is to provide a safe system of work for all personnel required to isolate a light vehicle on light vehicle hoist, safely and in a consistent manner and to provide a clear step by step process in which the task **MUST** be followed.

• SCOPE

This Safe Work Instruction shall relate to all personnel who are required isolate a light vehicle on Light Vehicle hoist. Personnel shall comply with Fortescue's LIFE SAVING CHOICES. This Safe Work Instruction supersedes all previous Safe and Standard Work Instructions and Site Notices.

• DEFINITIONS

SHALL, MUST and WILL are mandatory

Should is recommended, but not mandatory

• AREA

Cloudbreak Mine

• REQUIREMENTS

PERSONAL PROTECTIVE EQUIPMENT (PPE)



WORK CERTIFICATES / PERMIT REQUIREMENTS

Confined Space Entry	<input type="checkbox"/>	Work Box	<input type="checkbox"/>	Work Permit	<input type="checkbox"/>
Live Electrical Work	<input type="checkbox"/>	Non Standard Lift	<input type="checkbox"/>	Master Permit	<input type="checkbox"/>
Excavation / Penetration	<input type="checkbox"/>	Work at Height	<input type="checkbox"/>	HV Electrical Certificate	<input type="checkbox"/>
Hot Work	<input type="checkbox"/>	O/Side Vessel – Platform	<input type="checkbox"/>	Environmental	<input type="checkbox"/>
Floor Roof Wall Opening	<input type="checkbox"/>	Power Vicinity / Corridor Access	<input type="checkbox"/>	Driving / Pit Permit	<input type="checkbox"/>

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JOB SPECIFIC RESOURCES						
Green Banded Cones	<input type="checkbox"/>	Sentry & Sentry Board	<input type="checkbox"/>	Fire Blankets	<input type="checkbox"/>	Wheel Chocks
Drinking Water	<input type="checkbox"/>	Running Water	<input type="checkbox"/>	Voltage Reducer	<input type="checkbox"/>	Extinguishers
Warning Signs	<input type="checkbox"/>	Fire Watch	<input type="checkbox"/>	Radio	<input type="checkbox"/>	First Aid Kit

- DESCRIPTION OF WORK**

This procedure outlines the steps to safely isolate light vehicles on LV hoist.

- LIFE SAVING CHOICES**

The twelve choices define the standards that shall be met in our workplace to ensure safe systems of work, and to guide you in making the correct decisions. The choices you make, every single day, are fundamental to creating a safe operation. The non-negotiable choices are:

LIFE SAVING CHOICES					
	Use fall injury protection when working at height.		Secure tools and barricade work areas to prevent dropped objects.		Always walk and work outside the footprint of a suspended load.
	Stop at stop signs and rail crossings.		Verify isolations before work begins.		Confirm stored energy has been controlled before work begins.
	When driving wear a seat belt and obey speed limits.		When travelling or working remotely use communication and tracking devices.		Only inflate tyres in an approved tyre safety device.
	Maintain 3 metres from track and only work within authorisation limit.		Wear a PFD when working above water.		Obtain authorisation to enter explosives exclusion zones.



- JOB STEP AND CONTROL METHODS

No. 1	Create a clear plan of the task		
	Hazards	Controls	Image or Diagram
	<ul style="list-style-type: none"> The task may move away from the intended scope of work. Other hazards may exist in the surroundings at the work area. Risks from others working in close proximity. Unfamiliarity with area and task activity. 	<ul style="list-style-type: none"> Undertake a Take Control before undertaking the task to identify any immediate hazards. Review any procedures / SWI associated with the task. If task deviates from SWI a JHA SHALL be completed and approved by the area Supervisor. Where required when working in proximity of others, communicate your arrival. Only personnel who are trained, assessed and authorised shall operate the vehicle. 	 

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No. 2	Drive light vehicle into workshop onto hoist		
	Hazards	Controls	Image or Diagram
	<ul style="list-style-type: none">Vehicles entering / exiting the workshop expose personnel to potential injury.Driving onto hoist without a second person to guide (spot) can result in equipment damage and or injury to personnel.Vehicle must be positioned centrally on hoist.There are 3 main types of Light vehicle hoists in the LV workshop that you must be familiar with to ensure vehicle TARE weight (plus weight of oils in module) does not exceed the hoist limit. If unsure personnel must notify supervisor.Scania G410 Service truck – 35,500kg With all oil tanks full. Excludes bulk fuel.	<ul style="list-style-type: none">All Light Vehicles require spotting in and out of the workshop. A second person is to use clear hand signals when directing operator as per light vehicle spotting procedure.RAV4501L hoist must not exceed SWL 5000kgSTENHOJ hoist must not exceed SWL 8000kgSTERTIL-KONI hoist must not exceed SWL 7250kg per column<ul style="list-style-type: none">4 posts 29,000kg6 posts 43,500kg	    

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No.03	Park vehicle and carry out Simple Isolation		
	Hazards	Controls	Image or Diagram
	<ul style="list-style-type: none">Vehicles parked when left fundamentally UNSTABLE can cause equipment damage and or injury to personnel.Working on vehicles un-isolated exposes personnel to uncontrolled vehicle energy (electrical, mechanical)Working under a raised hoist can expose personnel to potential crush injuries should the hoist fail.	<ul style="list-style-type: none">Operator must apply handbrake and leave vehicle in gear to put wheel chocks in place.Once vehicle has wheel chocks in place the operator can then leave the vehicle out of gear with park brake released.Refer to Fortescue Isolation and tagging procedure (100-PR-SA-1028) carry out simple Isolation.Whenever a vehicle is on the hoist, the hoist needs to be isolated regardless of the level of the platform (when it is on the ground) as per isolation procedure 100-PR-SA-1028. The hoist may only be un-isolated for operation.	  

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Department

MOBILE MAINTENANCE

Document Number

CB-WI-UT-0012

Section

SAFE WORK INSTRUCTION

Title

Simple Isolation of Light Vehicles on LV Hoist

No. 7	Hazard Reporting		
	Hazards	Controls	Image or Diagram
	<ul style="list-style-type: none">Hazards not communicated to Supervisors for rectification can lead to putting yourself and others in danger.	<ul style="list-style-type: none">If any hazard/s were identified during this task either remove the hazard/s or isolate the Hazard/s.Complete a hazard report in BMS.If the SWI is not valid – by not valid meaning the SWI contains incorrect information report to supervisor for “simple change management” immediately.	

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Document Number & Title ****Simple Isolation of Light vehicles on lv hoist****



Department

MOBILE MAINTENANCE

Document Number

CB-WI-UT-0012

Section

SAFE WORK INSTRUCTION

Title

Simple Isolation of Light Vehicles on LV Hoist

Signatures

I have received, read, understood and WILL comply with this Standard Work Instruction.

#	Date	Name	SAP Number	Signature
1.	10-12-23	Mark Hunter	570746	
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10				
11				
12				
13				
14				

Accepting Supervisor

1.	10-12-23	Mark Hunter	506892	
2.				
3.				
4.				
5.				
6.				
7.				
8.				

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Support Equipment-Workshop Ravaglioli LV Hoist Operations

Task Information

Purpose	The purpose of this Standard Work Instruction (SWI) is to provide a safe system of work for all personnel required to perform/carry out Support Equipment-Workshop Ravaglioli LV Hoist Operations safely, in a consistent, clear, step by step process which MUST be followed. This SWI describes what MUST be done and how it is to be done.
Definitions	MUST, SHALL and WILL are mandatory. Should is recommended, but not mandatory.
Competent Person	Is a person, through a combination of training, education and experience, acquired knowledge and skills, enabling that person to perform a specified task correctly.
Fundamentally Stable	LV - Parked on level ground, in gear (manual) or park (automatic) and handbrake applied.
GVM	Gross Vehicle Mass, the maximum operating weight/mass of a Vehicle as specified by the manufacturer including the Vehicle's chassis, body, engine, engine fluids, fuel, accessories, driver, passengers and cargo but excluding that of any trailers.
Light Vehicles (LV'S)	Vehicles (e.g. Cars, Station Wagons and Utilities) not greater than 4.5t GVM , constructed to seat no more than 12 adults (including the driver) that when operated on a public road require the driver to hold a minimum C Class licence.
OEM	Original Equipment Manufacturer, for the purpose of this SWI is, the original manufacturer of a component, product or parts involved in the final assembly of Heavy Vehicle Workshop Jacks/Stands.
SWL	Safe Working Load.
VOC	Verification of Competency.
Scope	This SWI relates to ALL Mine Personnel required to perform Support Equipment-Workshop Ravaglioli LV Hoist Operations . Personnel MUST comply with Fortescue's LIFE SAVING CHOICES . This SWI relates to 'Ravaglioli Hoists' only.
Area	Mobile Maintenance – All FMG Sites  Before commencing this work, complete a Take Control Card every time to ensure that no abnormal conditions exist and complete a JHA if prompted by the Take Control Card . If at any point in this procedure you are unsure, you MUST consult your Supervisor.
	 Always assume equipment is LIVE until positively isolated, locked and tagged.

Issue Date:

Prepared by:

19/06/2023

Abey Ding

45-01022-WI-MN-0049

Reviewed by:

Richard Milway/Callum Atkins/Craig Marshall

Approved by:

John Shrives

Review due in (3) Three Years

Support Equipment-Workshop Ravaglioli LV Hoist Operations

Rev 4

This document is uncontrolled when printed

Page 1 of 12

Life Saving Choices



Use fall injury protection when working at height.



Secure tools and barricade work areas to prevent dropped objects.



Always walk and work outside the footprint of a suspended load



Stop at stop signs and rail crossings.



Verify isolations before work begins.



Confirm stored energy has been controlled before work begins.



When driving wear a seat belt and obey speed limits.



When travelling or working remotely use communication and tracking devices.



Only inflate tyres in an approved tyre safety device.



Maintain 3 metres from track and only work within authorisation limit.



Wear a PFD when working above water.



Obtain authorisation to enter explosives exclusion zones.

Personal Protective Clothing and Equipment (PPE)



References/Associated Documentation

- [45-PR-RK-0005 SWI, JHA and Take Control Procedure](#)
- [45-PR-SA-0093 Personal Protective Equipment Procedure](#)
- [100-PR-SA-1018 Prohibited and Restricted Items Register](#)
- [45-PR-SA-0069 Isolating and Tagging Procedure](#)
- [45-PR-SA-0083 Physical Separation - Barricading Procedure](#)
- [45-01000-WI-MN-0100 Wheel Chock Usage Across Mobile Equipment \(HME , SME and LV \) Work Instruction](#)
- [45-01022-WI-MN-0029 Jacking and Supporting Heavy Vehicle Work Instruction](#)
- [45-01022-WI-MN-0030 Use of LV Wash Pad Work Instruction](#)
- [CH-03038-WI-OP-0064 Correct Lifting Techniques Work Instruction](#)

Operation of Two-Way Radio

- [CH-03051-WI-OP-0002 Chichester Positive Two-Way Radio Communication Work Instruction](#)
- [IB-0000-WI-OP-0002 Iron Bridge Use Positive Two-Way Radio Communication Protocol Work Instruction](#)
- [SO-00000-WI-SA-0100 Solomon Operation of a Two-Way Radio Work Instruction](#)

Work Permit Requirements

- | | | | |
|---|--|---|---|
| <input type="checkbox"/> Confined Space Entry | <input type="checkbox"/> Floor / Roof / Wall Opening | <input type="checkbox"/> Non-Standard Lift | <input type="checkbox"/> Work Permit |
| <input type="checkbox"/> Crane Lift Plan | <input type="checkbox"/> High Voltage Electrical | <input type="checkbox"/> OEM Procedure | <input type="checkbox"/> Working at Heights |
| <input type="checkbox"/> Critical Safety System | <input type="checkbox"/> Hot Work | <input type="checkbox"/> O/Side Vessel - Platform | <input type="checkbox"/> Pulling & Pressing Certificate |
| <input type="checkbox"/> Excavation/Penetration | <input type="checkbox"/> Live Electrical Work | <input type="checkbox"/> Work Box | <input type="checkbox"/> |
| <input type="checkbox"/> Other (Please specify) | | | |

Job Specific Resources

- | | | | |
|--|--|--|--|
| <input checked="" type="checkbox"/> Barricading | <input type="checkbox"/> Fire Blankets | <input type="checkbox"/> Running Water | <input type="checkbox"/> Voltage Reducer |
| <input type="checkbox"/> Drinking Water | <input type="checkbox"/> Fire Watch | <input type="checkbox"/> Sentry & Sentry Board | <input checked="" type="checkbox"/> Warning Signs |
| <input type="checkbox"/> Extinguishers | <input type="checkbox"/> First Aid Kit | <input type="checkbox"/> Two-way Radio | <input checked="" type="checkbox"/> Workshop cones |
| <input checked="" type="checkbox"/> Other (Please specify) | Spotter | | |

Job Specific Tooling

Qty	Description	Qty	Description
1 x	Caution Sign	1 x	Traffic Control Wands
1 x	Hoist	Qty	Hoist Jacking Beams / Rail Supports

Job Preparation

- A JHA is required:
 - If the tasks are non-routine and/or complex in nature.
 - If the tasks are **not** captured in an SWI or the SWI is not reviewed in the last three years.
 - When the task deviates from the approved SWI.
 - If a permit to work and/or high-risk certificate is required.
 - At Supervisors discretion
- Only personnel who are trained, assessed and **AUTHORISED** are to operate machinery.
- Only personnel who have undergone FMG isolation training are **AUTHORISED** to isolate equipment.
- You **MUST** ensure that the correct tooling is available for the job.

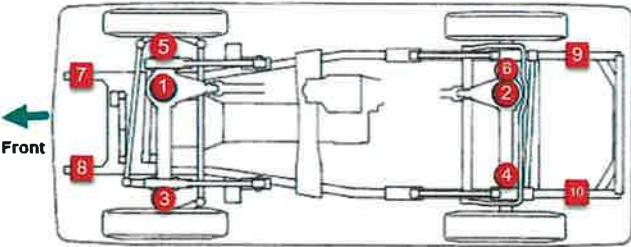
 Prohibited Tooling **MUST NOT** be used.

 Restricted Tooling **MUST** only be used with approval.

Refer to [100-PR-SA-1018 Prohibited and Restricted Items Register](#)

- Tooling **MUST** be checked for electrical tagging, suitability and condition prior to use.
- The persons completing the following tasks **MUST** be competent and have completed the appropriate training for that particular task.
- You **MUST** follow this and all other relevant Standard Work Instructions/Practices.

Ravaglioli Hoists

Step#	Job Steps, Descriptions of task	Image/Additional Information																				
1.	<p>i The commonly used Ravaglioli Hoists are listed as below.</p> <p>! Vehicle's GVM MUST NOT exceed the hoist's SWL (Safe Working Load).</p> <ul style="list-style-type: none"> - You MUST pay special attention to Heavy Vehicles with uneven weight distribution. - Ensure the approved lifting capacity per individual post is NOT exceeded. <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>No.</th> <th>Model#</th> <th>Description</th> <th>Maximum Capacity</th> </tr> </thead> <tbody> <tr> <td>(1)</td> <td>RAV4501L</td> <td>4-Post Hoist</td> <td>5,000kg</td> </tr> <tr> <td>(2)</td> <td>RAV4651L</td> <td>4-Post Hoist</td> <td>6,500kg</td> </tr> <tr> <td>(3)</td> <td>RAV4800L</td> <td>4-Post Hoist</td> <td>8,000kg</td> </tr> </tbody> </table>	No.	Model#	Description	Maximum Capacity	(1)	RAV4501L	4-Post Hoist	5,000kg	(2)	RAV4651L	4-Post Hoist	6,500kg	(3)	RAV4800L	4-Post Hoist	8,000kg					
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3.	Refer to below table and image for Vehicle Lift and Support Location.	<p style="text-align: center;">Vehicle Lift and Support Location</p>  <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>Description</th> <th>Position#</th> </tr> </thead> <tbody> <tr> <td>Jack Position (under front and rear differential)</td> <td>1 2</td> </tr> <tr> <td>Screw type Jack Pision</td> <td>3 4 5 6</td> </tr> <tr> <td>Safety Stand Position</td> <td>7 8 9 10</td> </tr> </tbody> </table>	Description	Position#	Jack Position (under front and rear differential)	1 2	Screw type Jack Pision	3 4 5 6	Safety Stand Position	7 8 9 10												
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Set Up Work Area

Step# Job Steps, Descriptions of task

4.
 - Ensure the Work Area is safe and clear from any obstruction or unnecessary Personnel.
 - Demarcate the Work Area as required.

Refer to [45-PR-SA-0083 Physical Separation - Barricading Procedure](#)

5. Ensure clear communication and control of the Work Area at all times.

Inspect the Hoist Prior to Use

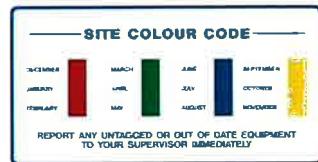
Step# Job Steps, Descriptions of task

6. Ensure to conduct a pre-start inspection on the Hoist before use.

- Ensure it is deemed serviceable.
 - Fill out the logbook correctly.

7. Do NOT use any defective/damaged Hoist.

- If any damage/defect found, report to Supervisor and tag it "Out of Service".

Image/Additional Information


Drive Vehicle to Ravaglioli Hoist

Step# Job Steps, Descriptions of task

8. Before driving onto the Hoist, ensure jack extensions have been removed.

Image/Additional Information

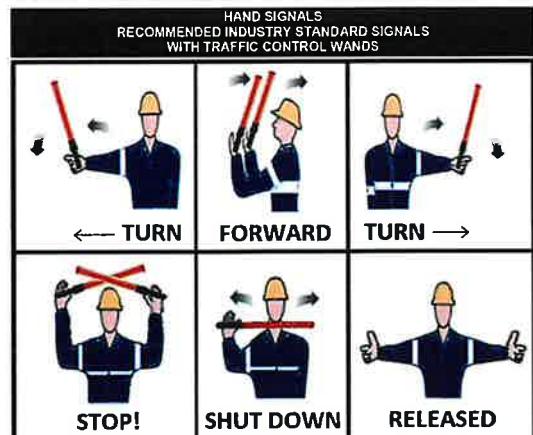
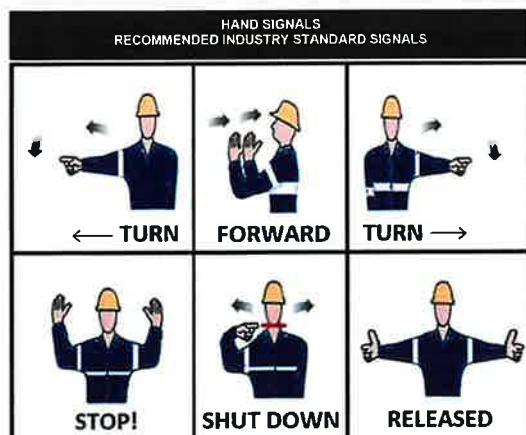

9. A minimum of 1x Spotter **MUST** be used when driving into and out of the Hoist.



More Spotters **may** be required depending on the vehicle and situation (i.e., tight turns, towing a trailer, other traffic interactions, etc).

Refer to [45-01022-WI-MN-0046 Workshop Spotting of Mobile Plant and Equipment Work Instruction](#)

10. Ensure to maintain **Pos Comms** and stay clear of **Line of Fire** during spotting:
 - Visual communication (Hand Signals) **SHALL** be used as the primary communication source.
 - Two-Way Radio communication should be used as the secondary communication source.
 - Traffic Control Wands should be used in low light or poor weather conditions.



11. Locate the Vehicle centrally on the Hoist.

Step#	Job Steps, Descriptions of task	Image/Additional Information
12.	Apply hand brake.	
13.	Apply wheel chocks. Refer to 45-01000-WI-MN-0100 Wheel Chock Usage Across Mobile Equipment (HME , SME and LV) Work Instruction	
14.	Handbrake may then be released/de-adjusted so wheels can be turned when raised off of the base platform.	

Isolate the Vehicle

Step#	Job Steps, Descriptions of task	Image/Additional Information
15.	<p> Depending on the vehicle GVM, you may conduct Individual Isolation or Simple Isolation on the Vehicle.</p>	

Individual Isolation

16. Carry out an Individual Isolation, if the **GVM** does not exceed 4.5T and only one person will be working on the Vehicle:
- Turn **RED** main Vehicle Isolator to the "OFF" position.
 - Isolate the Light Vehicle at **RED** main Isolator point.
 - Attach Personal Danger Lock and Danger Tag to the main Isolator point.
 - Confirm Isolation with a Test/Try.
- Refer to [45-PR-SA-0069 Isolating and Tagging Procedure](#)



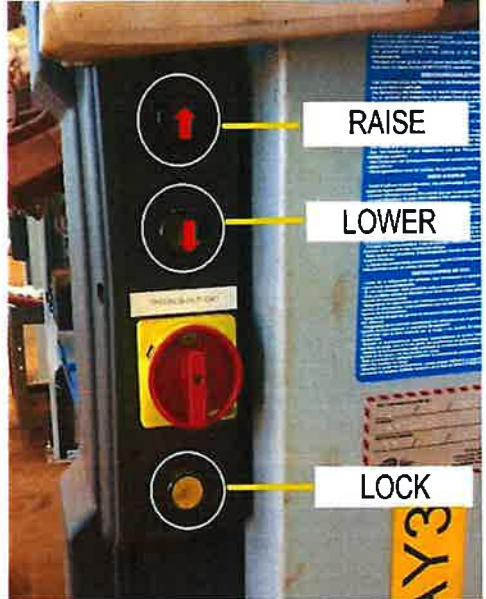
Simple Isolation

17. Carry out a Simple Isolation if the Light Vehicle is over 4.5T or more than two (2) personnel working on the Vehicle:
- Switch the **RED** Isolator switch to the "OFF" position.
 - Carry out **BLACK** lock Isolation on **RED** Isolator.
 - Confirm the isolation with a Test/Try.
 - Lock onto **RED** Isolator with Personal Danger Locks.
- Refer to [45-PR-SA-0069 Isolating and Tagging Procedure](#)



18. All **BLACK** lock isolations carried out **MUST** be performed by an Authorised Isolation Officer who has been deemed competent on each machine (VOC'd).

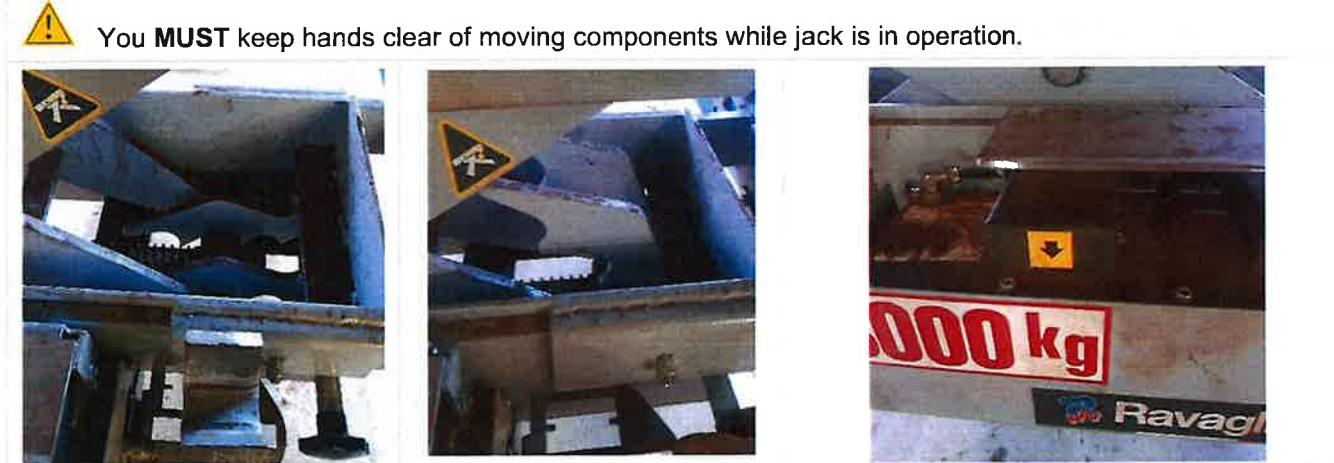
Raise the Hoist to Work Position

Step#	Job Steps, Descriptions of task	Image/Additional Information
19.	<p>i To operate the Hoist into a required work position, you may need to raise or/and lower the Hoist.</p> <p>! ONLY Personnel who are trained and assessed can operate the Hoist.</p> <p>Raise the Hoist:</p> <ul style="list-style-type: none"> Push the raise button (arrow pointing up) to lift the Vehicle to the desired height. Ensure the Hoist raises evenly, and platform stays level. <p>! If the platform fails to raise evenly, stop immediately and re-assess.</p> <p>Lower the Hoist:</p> <ul style="list-style-type: none"> Push the lower button (arrow pointing down) to lower the Vehicle to the desired height. Ensure the Hoist lowers evenly and all four corners lock at the same height. <p>! If the Hoist does NOT appear level, raise the Hoist again and re-settle until all four corners are at the same height.</p>	 <p>The image shows a close-up of a control panel. On the left, there are two red circular buttons: one with an upward-pointing arrow labeled 'RAISE' and one with a downward-pointing arrow labeled 'LOWER'. Below these is a yellow button with a central vertical bar labeled 'LOCK'. To the right of the buttons is a vertical metal panel with blue and white printed text. At the bottom right of the panel, the letters 'Y3' are visible.</p>
20.	Once the desired work height is reached, engage the lock button.	
21.	<p>Prior to commencing any work under the Hoist:</p> <ul style="list-style-type: none"> You MUST ensure all four locking pins are engaged. Ensure to lock out the Hoist once confirming all four locking pins are engaged. 	

Isolate the Hoist

Step#	Job Steps, Descriptions of task	Image/Additional Information
22.	<p>! The Hoist MUST be isolated BLACK lock isolations if a Vehicle is on it.</p> <p>X The Hoist MUST NOT be left unattended or un-isolated whilst under load.</p> <p>Individual Isolation</p>	
23.	<p>If the Light Vehicle is under Individual Isolation, you MUST perform an Individual Isolation on the Hoist:</p> <ul style="list-style-type: none"> Turn RED main Vehicle Isolator to the "OFF" position. Isolate the Light Vehicle at RED main Isolator point. Attach Personal Danger Lock and Danger Tag to the main Isolator point. Confirm Isolation with a Test/Try. <p>Refer to 45-PR-SA-0069 Isolating and Tagging Procedure</p>	 <p>The image shows a close-up of a large electrical switch or isolator. It has a black handle and a silver contact area. A pink personal danger lock tag is attached to the side of the switch. Above the switch, there is a small red warning label with the word 'WARNING'.</p>

Step#	Job Steps, Descriptions of task	Image/Additional Information
Simple Isolation		
24.	<p>If the Light Vehicle is under Simple Isolation, you MUST perform a Simple Isolation on the Hoist:</p> <ul style="list-style-type: none"> • Switch the RED Isolator switch to the "OFF" position. • Carry out BLACK lock Isolation on RED Isolator. • Confirm the isolation with a Test/Try. • Lock onto RED Isolator with Personal Danger Locks. <p>Refer to 45-PR-SA-0069 Isolating and Tagging Procedure</p>	
25.	<p>All BLACK lock isolations carried out in the workshop MUST be performed by an Authorised Isolation Officer who has been deemed competent on each machine (VOC'd).</p>	
Use the Hoist Jacking Beams / Rail Supports		
Step#	Job Steps, Descriptions of task	Image/Additional Information
26.	<p>Ensure the vehicle GVM does NOT exceed the manufacturers SWL (Safe Working Load).</p>	
27.	<p>! Use caution when positioning the Hoist jacking beams, as there is a chance of sprain or strain trying to move a jammed platform.</p> <ul style="list-style-type: none"> - Ensure correct lifting technique is used. 	
28.	<ul style="list-style-type: none"> • Position the pad of the jacking beam under an approved jacking point on the vehicle. • Ensure the jacking pad has adequate support and is evenly loaded. <p>X Do NOT use jacking extension plates unless risk assessed, and manufacturer approved.</p>	

Step#	Job Steps, Descriptions of task	Image/Additional Information
29.	Raise the jacking beam by air operation or hydraulic hand operation to the desired height, or until the wheels are just above the Hoist ramps.	
	<p>! Ensure the jacking beam has clicked and locked in prior to working under the vehicle.</p>	
30.	<ul style="list-style-type: none"> • Engage jack platform locking mechanism into place and lower jacking platform down onto lock. • To lower jack platform, raise it off locks and twist locking mechanism clockwise and engage the pneumatic switch to lower. <p>! You MUST keep hands clear of moving components while jack is in operation.</p>	

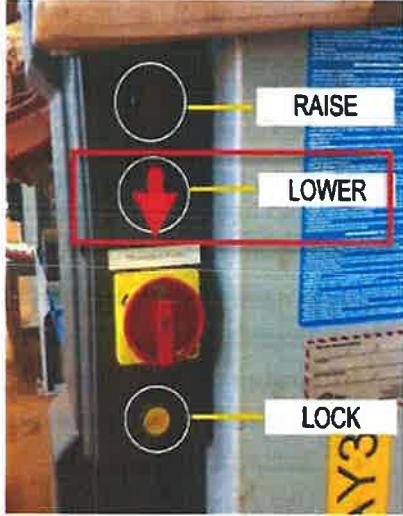
General Safety Precautions when Working Under Vehicle on the Hoist

Step#	Job Steps, Descriptions of task
31.	<p>When working under Vehicle on the Hoist:</p> <ul style="list-style-type: none"> ✓ You MUST wear correct PPE. <ul style="list-style-type: none"> - Ensure to keep all tools and equipment organized and within reach. - Follow respective SWIs or OEMs if available. - Complete a JHA if the task is not covered in an approved SWI. ✗ Do NOT reach over or under the vehicle while it is supported by the Hoist, as this can cause the Vehicle to become unstable and potentially fall. <ul style="list-style-type: none"> - Do NOT leave any tools lying on the ground where someone could trip over.
32.	<p>If you need to work at heights or in areas where a fall could occur:</p> <ul style="list-style-type: none"> • Establish a Drop Zone if required. • Ensure to obtain Working at heights certification. • Ensure to follow corresponding working at heights procedure. • Secure tools. • Use approved harness.

De-Isolate the Hoist

Step#	Job Steps, Descriptions of task	Image/Additional Information
33.	Remove personal danger tags and locks from the RED isolation lock and BLACK lock from the main isolation point of the Hoist. Refer to 45-PR-SA-0069 Isolating and Tagging Procedure	

Lower the Hoist to Ground

Step#	Job Steps, Descriptions of task	Image/Additional Information
34.	<ul style="list-style-type: none"> Raise the jacking beams slightly and release the locking mechanism. Lower the jacking beams slowly so the vehicle is Fundamentally Stable on the Hoist ramps. Lower the jacking beams until fully retracted. 	
35.	Visually confirm the Hoist locking pins are dis-engaged.	
36.	Re-ensure the area under the Hoist or the Light Vehicle is clear from Personnel, tooling, or any obstruction.	
37.	Lower the Hoist to ground level. ! If any corner fails to lower at same rate: <ul style="list-style-type: none"> - Stop immediately. - Raise the Hoist again. - Re-set locks and investigate. 	
38.	! Ensure hoist is not left unattendant at any time whilst un-isolated above ground level.	
39.	! Ensure wheel chocks are in place at all times when vehicles wheels are on the deck of the hoist. Refer to 45-01000-WI-MN-0100 Wheel Chock Usage Across HME and SME Work Instruction	

De-Isolate the Vehicle and Drive Off from the Hoist

Step#	Job Steps, Descriptions of task	Image/Additional Information
40.	Remove personal danger tags and locks from the RED isolation lock and BLACK lock from the main isolation point of the Vehicle. Refer to 45-PR-SA-0069 Isolating and Tagging Procedure	
41.	<ul style="list-style-type: none"> • Apply handbrake. • Remove wheel chocks from vehicle. • Ensure all tooling or parts are cleared from the hoist. 	
42.	Spot the Vehicle off from the Hoist.	
	<p>i A minimum of 1x Spotter is used when driving the Vehicle off from the Hoist.</p> <p>! Ensure to maintain Pos Comms and stay clear of Line of Fire during spotting.</p>	

Maintain the Hoist

Step#	Job Steps, Descriptions of task
43.	Before and after use of the Hoist, conduct a visual inspection on the Hoist: <ul style="list-style-type: none"> ✓ Ensure all tools are cleared away from the Hoist. - Ensure it is disconnected from any power source.
44.	If there is any sign of damage: <ul style="list-style-type: none"> • You MUST attach 'Out of Service' tag. • Report to Supervisor for maintenance services or replacement/repairs from OEM. <p>! NO Maintenance, Repairs or Modifications shall be made to Ravaglioli LV Hoists, other than those outlined in this SWI.</p>

Pack Up Work Area

Step#	Job Steps, Descriptions of task
45.	<ul style="list-style-type: none"> • Clean work area. • Return all tooling. • Remove Barricading from work area. • Ensure all platform, ladder, stair assembly, man lift, or other portable access system are taken down after task completion and put away as per 5s. • Report any damaged equipment.

Clean Work Area

Step#	Job Steps, Descriptions of task	Image/Additional Information
46.	General waste, contaminated waste, empty aerosol cans etc, MUST be disposed of in the correct bins.	

Complete Paperwork**Step# Job Steps, Descriptions of task**

- 47.**
- Go through paperwork and ensure all sections are filled out and signed off where required.
 - Close out work order.

Approval and Sign Off

If you have not been approved for this SWI via a familiarisation or training session and have signed acknowledgment of this SWI. Stop, Check and Talk to your Supervisor prior to carrying out the task.

I have received, read, understood and **WILL** comply with this Standard Work Instruction for
45-01022-WI-MN-0049 Support Equipment-Workshop Ravaglioli LV Hoist Operations

Full Name:

SAP Number:

Signature:

Crew/Pit:

Company:

Department:

Supervisor Responsible for this Form:

Date:

Signatures

I have received, read, understood and **WILL** comply with this Standard Work Instruction.

#	Date	Name	SAP Number	Signature
1.	10-12-23	M-Safetech	570744	
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				

Accepting Supervisors

1.	10/12/23	At		506892	
2.					
3.					
4.					
5.					
6.					



Work Order Summary



Fortescue

Work Order: 2200649908 - LV1382 2M Service

Main Work Centre:	MPLV Light Vehicles	Revison No:	MP23WK49
Planner Group:	M17 Light Vehicle 1	Start Date:	10.12.2023
Function location:	CLB-MP-LV01-LVEHCL-LV1382		
FL Desc:	LV1382 Toyota Landcruiser Dual Cab	Activity Type:	210
Sort Field:	LV1382	Priority:	4
Equipment Number:		Reservation:	11709832
Eq Desc:		Ctr./Meas. Reading:	

Fortescue Message:

Life Saving Choices
Wear a PFD when working above water
 Only wear an approved Personal Flotation Device (PFD).
 Inspect the PFD prior to use.
 Wear a PFD when working on or near water and there is potential to fall into the water.
 Always wear a PFD when instructed, sign posted or identified in a risk assessment.

Work Order Long Text:

LV1382 2M Service

** AVAILABLE SUNDAY SHELF 06.12 CW**

Operation Detail List:

Op	Description:	Work center:	Start Date:	No. Cap:	Plan Dur:	Act Dur:
0040	Toyota Landcruiser SAB Inspection	MPIN-TN	10.12.2023	1	0	0
Op	Description:	Work center:	Start Date:	No. Cap:	Plan Dur:	Act Dur:
0060	Toyota Landcruiser 2M Service (20K)	MPLV-FTL	10.12.2023	1	0	0

Materials

Op:	Item:	Material:	Description:	Qty:	UOM:	Withdrawn:	Used Y/N
Recipient: Unloading Point:							
0060	0001	3016044	FILTER ELEMENT AIR INTAKE CLEANER LV1382 CB-L/V WORK SHOP	1	EA	1	
0060	0002	3130829	KIT 20 000KM/40 000KM LANDCRUISER LV1382 CB-L/V WORK SHOP	1	EA	1	
0060	0003	3167793	FILTER,AIR,CABIN LV1382 CB-L/V WORK SHOP	1	EA	1	
0060	0004	3175941	FILTER,ELEMENT,FUEL LV1382 CB-L/V WORK SHOP	1	EA	1	



Work Order Summary



Fortescue

Work Order: 2200649908 - LV1382 2M Service

Main Work Centre:	MPLV Light Vehicles	Revison No:	MP23WK49
Planner Group:	M17 Light Vehicle 1	Start Date:	10.12.2023
Function location:	CLB-MP-LV01-LVEHCL-LV1382		
FL Desc:	LV1382 Toyota Landcruiser Dual Cab	Activity Type:	210
Sort Field:	LV1382	Priority:	4
Equipment Number:		Reservation:	11709832
Eq Desc:		Ctr./Meas. Reading:	_____

FEEDBACK

Action (What you did):

Damage (What you found):

Cause (Why it happened):



Work Order Scope



Work Order: 2200649908 - LV1382 2M Service

Main Work Centre:	MPLV Light Vehicles	Revison No:	MP23WK49
Planner Group:	M17 Light Vehicle 1	Start Date:	10.12.2023
Function location:	CLB-MP-LV01-LVEHCL-LV1382		
FL Desc:	LV1382 Toyota Landcruiser Dual Cab	Activity Type:	210
Sort Field:	LV1382	Priority:	4
Equipment Number:		Reservation:	11709832
Eq Desc:		Ctr./Meas. Reading:	

Fortescue Message:

Preventing Significant Hand Injuries
Leaders & Peers intervene when you see hands in the Line of Fire

Work Order Long Text:

LV1382 2M Service

** AVAILABLE SUNDAY SHELF 06.12 CW**

Operations Detail List:

Op	Description:	Work center:	Start Date:	No. Cap:	Plan Dur:	Act Dur:
0040	Toyota Landcruiser SAB Inspection	MPIN-TN	10.12.2023	1	0	0



Fortescue

Work Order Scope

Work Order: 2200649908 - LV1382 2M Service

Main Work Centre:	MPLV Light Vehicles	Revision No:	MP23WK49
Planner Group:	M17 - Light Vehicle 1	Start Date:	10.12.2023
Function location:	CLB-MP-LV01-LVEHCL-LV1382	Activity Type:	210
FL Desc:	LV1382 Toyota Landcruiser Dual Cab	Priority:	4
Sort Field:	LV1382	Reservation:	11709832
Equipment Number:		Ctr./Meas. Reading:	
Eq Desc:			

FEEDBACK

<u>Work Center</u>	<u>Hrs Worked</u>	<u>SAP No:</u>	<u>Name:</u>	<u>Date:</u>

COMPLETION CHECKS

Completed By: _____
(Print Name)

Date: _____

Supervisor: _____
(Print Name)Supervisor: _____
(Signature)

Date: _____



MOBILE MAINTENANCE

CB-01002-CK-MN-0160

SAB (SITE AWARE BOX) INSPECTION

INSPECTION DETAILS				
Date:		Site:	Cloudbreak	
Work Order:		Pit/Location:		
Machine ID:		SMU:		
Inspected By:		Department:	Mobile Maintenance - Autonomous	
Shift:	Day <input type="checkbox"/>	Night <input type="checkbox"/>	Crew:	A/C <input type="checkbox"/> B/D <input type="checkbox"/>

PREVENTATIVE MAINTENANCE SCHEDULE

Legend:

Legend: a = Inspection Completed, no defects

b = Inspection Completed, minor defect. Notification raised

b = Inspection completed, minor defect, Notified
c = Defect recorded, requires immediate repair

Put your initials in the column a, b or c to indicate the status of each task

Put your initials in the column a, b or c to indicate the shaded boxes indicate service / check is not required

Prior to commencing this inspection ensure isolation procedures are followed.

All lubricant issues, including coolant, are to be recorded.

	PREPARED BY	CHECKED BY	APPROVED BY
Rev 1	Dragana Milankovic	Scott Tribbick	Joe Roso
12/10/2019			



COMMAND CHECKS – LIVE TESTING

A

B

TO BE COMPLETED AT STEPS 2,4,6,8

1.	G407 Panel: Confirm Forward & Reverse function			
2.	Internal of SAB Box: Confirm the Output of the Voltage Regulator is set to either 14v or 26v *Ensure the display is set to output.			
3.	Field Comms: shutdown msg.			

MECHANICAL CHECKS - TRUCK ISOLATED

A

B

C

G407

4.	G407 bracket (Dash and Floor Mount) – Inspect and Ensure its secure. *Ensure the Grub Screws are tight and locked into place			
5.	G407 casing. Cracks?	*Any Physical damage/		
6.	Ensure the G407 connectors are secure is in.	*Ensure the red locking tab		

xIM

7.	Ensure the xIM Module is secure in the SAB Box			
8.	Ensure the xIM has a ground strap			
9.	Ensure the xIM 70 Pin Connector is fitted correctly			

Radio

10.	Radio mounted securely.			
11.	Ethernet cable in good condition (Secured and Tidy)	*Check the condition of the Cable		
12.	Power cable in good condition (Secured and Tidy)			
13.	All connectors firmly seated (Not loose)			

GPS

14.	GPS antenna in good condition & secure.			
15.	Inspect GPS Mounting Solution for Cracks/ Damage.			
16.	GPS cable, inspect and reseat connectors (fraying, kinks, crushing).			

Rev 1	PREPARED BY	CHECKED BY	APPROVED BY
	Dragana Milankovic	Scott Tribbick	Joe Roso
12/10/2019			



SAB (SITE AWARE BOX) INSPECTION

MECHANICAL CHECKS - TRUCK ISOLATED			
	A	B	C
If the antenna has been moved, removed, or replaced, then refer to Operation and Maintenance Manual, "Calibrations for Maintenance"			
Right / Left WI-FI Antenna			
17.	Ensure that the antenna mounting is not cracked or bent.		
18.	Ensure antennas are firmly attached to mounting and will not rotate.		
19.	Check for cuts or pinches on the antenna cables.		
20.	Ensure that connectors are not separating from the cables.		
21.	Ensure that the antenna's reflector is not damaged or missing.		
SAB Enclosure			
22.	Ensure the SAB Enclosure is fitted correctly and securely to the SAB Bracket		
23.	Ensure the SAB Bracket is fitted to the asset correctly and securely		
24.	Ensure the Roof Racks are fitted correctly and securely (If applicable)		
25.	Ensure the correct Relays/ Shutdown Timer are used for either 12v or 24v System		

Rev 1

PREPARED BY

Dragana Milankovic

12/10/2019

CHECKED BY

Scott Tribbick

APPROVED BY

Joe Roso



MOBILE MAINTENANCE

CB-01002-CK-MN-0160

SAB (SITE AWARE BOX) INSPECTION

ADDITIONAL WORK IDENTIFIED

Rev 1

PREPARED BY

Dragana Milankovic

CHECKED BY

Scott Tribbick

APPROVED BY

Joe Roso



Work Order Scope



Fortescue.

Work Order: 2200649908 - LV1382 2M Service

Main Work Centre:	MPLV Light Vehicles	Revison No:	MP23WK49
Planner Group:	M17 Light Vehicle 1	Start Date:	10.12.2023
Function location:	CLB-MP-LV01-LVEHCL-LV1382		
FL Desc:	LV1382 Toyota Landcruiser Dual Cab	Activity Type:	210
Sort Field:	LV1382	Priority:	4
Equipment Number:		Reservation:	11709832
Eq Desc:		Ctr./Meas. Reading:	

Fortescue Message:

Preventing Significant Hand Injuries
Pause, Reassess & Adopt
A defensive position for hands away from moving parts

Work Order Long Text:

LV1382 2M Service

** AVAILABLE SUNDAY SHELF 06.12 CW **

Operations Detail List:

Op	Description:	Work center:	Start Date:	No. Cap:	Plan Dur:	Act Dur:
0060	Toyota Landcruiser 2M Service (20K)	MPLV-FTL	10.12.2023	1	0	0

Materials

Item:	Material:	Description:	Recipient:	Unloading Point:	Qty:	UOM:	Withdrawn:	Used Y/N
0001	3016044	FILTER ELEMENT AIR INTAKE CLEANER	LV1382 CB-L/V WORK SHOP		1	EA	1	
0002	3130829	KIT 20 000KM/40 000KM LANDCRUISER	LV1382 CB-L/V WORK SHOP		1	EA	1	
0003	3167793	FILTER,AIR,CABIN	LV1382 CB-L/V WORK SHOP		1	EA	1	
0004	3175941	FILTER,ELEMENT,FUEL	LV1382 CB-L/V WORK SHOP		1	EA	1	

0060_71ch awssappapp5 Toby BURTON 2023-12-10T00:43:33.1000
OPERATIONS



Fortescue

Work Order Scope

Work Order: 2200649908 - LV1382 2M Service

Work Order: 2200649908 - LV1382 2M SERVICE			
Main Work Centre:	MPLV Light Vehicles	Revision No:	MP23WK49
Planner Group:	M17 Light Vehicle 1	Start Date:	10.12.2023
Function location:	CLB-MP-LV01-LVEHCL-LV1382	Activity Type:	210
FL Desc:	LV1382 Toyota Landcruiser Dual Cab	Priority:	4
Sort Field:	LV1382	Reservation:	11709832
Equipment Number:		Ctr./Meas. Reading:	<u>27550</u>
Eq Desc:			

FEEDBACK

COMPLETION CHECKS

Completed By: MX
(Print Name)

Date: 10-12-23

Supervisor: Dt. S. I. Supervisor:
(Print Name) (Signature)

Date: 18/02/23

Light Vehicle Monthly Inspection / 20,000km CHECKLIST

LIFE SAVING CHOICES					
	Use fall injury protection when working at height.		Secure tools and barricade work areas to prevent dropped objects.		Always walk and work outside the footprint of a suspended load.
	Stop at stop signs and rail crossings.		Verify isolations before work begins.		Confirm stored energy has been controlled before work begins.
	When driving wear a seat belt and obey speed limits.		When travelling or working remotely use communication and tracking devices.		Only inflate tyres in an approved tyre safety device.
	Maintain 3 metres from track and only work within authorisation limit.		Wear a PFD when working above water.		Obtain authorisation to enter explosives exclusion zones.

Date: 10.12.23Unit Number: AV1382KM Reading: 27550

Please complete service before starting any repairs

Step	Task	Initial Appropriate Box		
		Inspected/ Task completed	Defect found safe to operate	Defect found unsafe to operate
1.	Tyre condition (Note any uneven wear or cuts)	Front Rear Spare	<u>W</u>	
2.	Site ID numbers affixed and in good condition, ensure site entry approval sticker is fixed legible and valid		<u>W</u>	
3.	Check prestart book for faults		<u>W</u>	
4.	Check for first aid kit		<u>W</u>	
5.	Condition of brake, clutch and accelerator pedal rubbers		<u>W</u>	
6.	Operation of horn		<u>W</u>	
7.	Check condition of windscreen		<u>W</u>	
8.	Check windscreen washers and wipers		<u>W</u>	
9.	Check reverse alarm fitted and operational		<u>W</u>	
10.	Check mine radio fitted and operational		<u>W</u>	
11.	Check all mirrors are serviceable		<u>W</u>	
12.	Check operation of hand brake		<u>W</u>	
13.	Check all seatbelts are fitted and operational		<u>W</u>	
14.	Check seats condition		<u>W</u>	
15.	Check general condition of cabin		<u>W</u>	
16.	Test drive to check for any defects		<u>W</u>	
17.	Brake operation & brake test conducted		<u>W</u>	
18.	Air conditioning and heater operation		<u>W</u>	

Rev 12

PREPARED BY

Kim Crosswell

24/11/2023

CHECKED BY

Jamie Baraldi

APPROVED BY

John Shrives



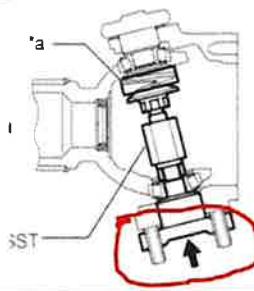
Toyota Monthly inspection / 20,000km

CHECKLIST

19.	Check 4wd operation	✓✓
20.	Auto head lights on when engine running	✓✓
21.	Operation of all lights, including flashing light	✓✓
22.	LV flag fitted and in good condition / light working	✓✓
23.	Check condition of ROPS if applicable	✓✓
24.	Check securing bolts for AHS vehicle module mounts	✓✓
25.	Check panel / fender condition	✓✓
26.	Check lockable Isolator operation and condition	✓✓
27.	Check guards on rotating parts secure and in good condition	✓✓
28.	Check condition of tow hitch (if fitted)	✓✓
29.	Check operation of all doors, lubricate locks and hinges	✓✓
30.	Check bonnet strut operation and condition of hard wear	✓✓
31.	Replace Engine oil and filter Caution: oil may be hot	✓✓
32.	Check front differential oil level	✓✓
33.	Check bell housing inspection plug is installed	✓✓
34.	Check gearbox oil level	✓✓
35.	Check transfer case oil level	✓✓
36.	Check rear differential oil level	✓✓
37.	Check drive shafts and universal joints for play	✓✓
38.	Grease all steering components	✓✓
39.	Grease all drive shaft universal joints and slip joints	✓✓
40.	Check exhaust system for damage and check mounts	✓✓
41.	Check fuel tank breather is not blocked	✓✓
42.	Check steering knuckles wiper seals for leaks	✓✓
43.	Check chassis and mounts for cracks or missing bolts	✓✓
44.	Check front suspension components for condition and security	✓✓
45.	Check upper and lower ball joints for play	✓✓
46.	Check rear suspension components for condition and security	✓✓
47.	Re-torque rear U-Bolts to OEM specification.	✓✓
48.	Grease all suspension points	✓✓
49.	Check engine and driveline underside for oil / fluid leaks	✓✓
50.	Check steering components for play / drag link, relay rod – 2-person task	✓✓
51.	Check front/rear wheel bearings for play and noise	✓✓
52.	Check 4x4 Auto lock Hub operation.	✓✓
53.	Check swivel bearings for play	N/A
54.	Check cv's and boots (Hilux)	✓✓
55.	Rewrap wheel bearings. and replace front hub seals and outer gasket, rear hub seal, axle gasket, inner axle oil seals, fill swivel hubs with grease (Land cruiser)	✓✓
56.	Check 4 x Steering knuckle Steering knuckle Nuts for correct tension on left and right hand swivel hubs (Landcruiser)	✓✓



Toyota Monthly inspection / 20,000km CHECKLIST

57.		The No. 1 steering knuckle arm with the 4 cone washers and 4 nuts on each side Torque: 123 N*m (1254 kgf*cm, 91 ft.*lbf)
58.	Fill swivel hubs with grease	OK
59.	Check front brake pad thickness minimum 4mm and rotor condition	OK
60.	Check rear brake pad thickness minimum 4mm and rotor condition	OK
61.	Check and adjust rear brake shoes minimum 3mm (Hilux)	N/A
62.	Check all brake lines and hoses for leaks, corrosion or damage	OK
63.	Check and adjust park brake shoes minimum 2mm (adjust to manufacture specs) ensure bell cranks are free	OK
64.	Refit wheels, torque wheel nuts and refit wheel indicators	OK
65.	Check tray mount bolts if fitted	OK
66.	Replace pollen filter	OK
67.	Replace air filter	OK
68.	Replace fuel filter	OK
69.	Check fuel primer pump is operational	OK
70.	Check drive belt / replace if required	OK
71.	Check coolant level / cap condition	OK
72.	Check radiator core	OK
73.	Check power steering fluid level	OK
74.	Check air intake system condition	OK
75.	Check brake fluid level	OK
76.	Check clutch fluid level	OK
77.	Top up windscreen washer reservoir	OK
78.	Check battery electrolyte levels, battery casing condition and clamp security (top up / clean as required) Inspect battery breather for blockage. Landcruiser Check that a AGM battery if fitted to vehicle, if not consult supervisor. (SAP # 3170475)	OK
79.	Check jump start receptacle for corrosion, damage, security	OK
80.	Perform DPF regen burn with G-Scan (Hilux)	N/A
81.	Carry out a test drive	OK



Fortescue.

MOBILE MAINTENANCE

CB-01039-CK-MN-0004

Toyota Monthly inspection / 20,000km CHECKLIST

10000003572 ACA_000_007jccj awssappapp5 Toby BURTON 2023-12-10T00:43:33 1:000

Additional Comments or defects

undeside of vehicle very dirty

Service completed by	Checked by Supervisor
Print name : <i>M. Sivakumar</i>	Print name : <i>At Siv</i>
Signature: <i>AS</i>	<i>MS</i>



Work Order Summary



Fortescue

Work Order: 2200661483 - RGS008 Service and Inspection

Main Work Centre:	MPLV Light Vehicles	Revison No:	MP23WK49
Planner Group:	M17 Light Vehicle 1	Start Date:	10.12.2023
Function location:	CLB-MP-LV01-TRUCKS-RGS008		
FL Desc:	RGS008 Scania G450 8X4 Water Cart	Activity Type:	210
Sort Field:	RGS008	Priority:	3
Equipment Number:		Reservation:	11735593
Eq Desc:		Ctr./Meas. Reading:	274329K 12369H

Fortescue Message:

YELLOW Lightning Alert BRAVO Alert (16km-8km)

Lightning activity (Cloud to Cloud and Cloud to Ground) has been detected between 8 and 16kms from the designated zone

Work Order Long Text:

RGS008 Service and Inspection

** AVAILABLE SUNDAY SHELF 06.12 CW**

Operation Detail List:

Op	Description:	Work center:	Start Date:	No. Cap:	Plan Dur:	Act Dur:
0010	Scania G450 250-1000hr Service	MPLV-FTH	10.12.2023	2	0	0

Materials

Op:	Item:	Material:	Description:	Qty:	UOM:	Withdrawn:	Used Y/N
			Recipient: Unloading Point:				
0010	0001	3155995	KIT,REPAIR,FILTER,OIL,C/W O-RING	1	KIT	1	
		RGS008	CB-L/V WORK SHOP				
0010	0002	3150043	KIT,OIL FILTER,CENTRIFUGAL	1	KIT	1	
		RGS008	CB-L/V WORK SHOP				
0010	0003	3148073	FILTER AIR PRIMARY SUIT G450 TRUCK	1	EA	1	
		RGS008	CB-L/V WORK SHOP				
0010	0004	3148074	FILTER SAFETY AIR SUIT G450 TRUCK	1	EA	1	
		RGS008	CB-L/V WORK SHOP				
0010	0005	3148071	FILTER CAB SUIT G450 TRUCK	1	EA	1	
		RGS008	CB-L/V WORK SHOP				
0010	0006	3150044	KIT FILTER	1	KIT	1	
		RGS008	CB-L/V WORK SHOP				
0010	0007	3148075	FILTER SCR SUIT G450 TRUCK	1	EA	1	
		RGS008	CB-L/V WORK SHOP				
0010	0008	3148076	PRE-FILTER SCR INLINE SUIT G450 TRUCK	1	EA	1	
		RGS008	CB-L/V WORK SHOP				
0010	0009	3189687	FILTER,DIFF,G450	2	EA	2	
		RGS008	CB-L/V WORK SHOP				

Materials Purchased



Work Order Summary



Work Order: 2200661483 - RGS008 Service and Inspection

Main Work Centre:	MPLV Light Vehicles	Revison No:	MP23WK49
Planner Group:	M17---Light Vehicle 1	Start Date:	10.12.2023
Function location:	CLB-MP-LV01-TRUCKS-RGS008		
FL Desc:	RGS008 Scania G450 8X4 Water Cart	Activity Type:	210
Sort Field:	RGS008	Priority:	3
Equipment Number:		Reservation:	11735593
Eq Desc:		Ctr./Meas. Reading:	

Op: Item: Purchasing Doc: Description: Qty: UOM: Withdrawn: Used Y/N
Recipient: Unloading Point: Part Number:
0010 0009 4502345445/10 FILTER,DIFF,G450 2 EA 2
RGS008 CB-L/V WORK SHOP

Op	Description:	Work center:	Start Date:	No. Cap:	Plan Dur:	Act Dur:
0020	Scania G450 250-1000hr Service	MPLV-AE	10.12.2023	1	0	0



Work Order Summary



Fortescue

Work Order: 2200661483 - RGS008 Service and Inspection

Main Work Centre:	MPLV Light Vehicles	Revison No:	MP23WK49
Planner Group:	M17 Light Vehicle 1	Start Date:	10.12.2023
Function location:	CLB-MP-LV01-TRUCKS-RGS008		
FL Desc:	RGS008 Scania G450 8X4 Water Cart	Activity Type:	210
Sort Field:	RGS008	Priority:	3
Equipment Number:		Reservation:	11735593
Eq Desc:		Ctr./Meas. Reading:	

FEEDBACK

Action (What you did):

SAP

Damage (What you found):

Cause (Why it happened):



Work Order Scope



Work Order: 2200661483 - RGS008 Service and Inspection

Main Work Centre:	MPLV Light Vehicles	Revison No:	MP23WK49
Planner Group:	M17 Light Vehicle 1	Start Date:	10.12.2023
Function location:	CLB-MP-LV01-TRUCKS-RGS008		
FL Desc:	RGS008 Scania G450 8X4 Water Cart	Activity Type:	210
Sort Field:	RGS008	Priority:	3
Equipment Number:		Reservation:	11735593
Eq Desc:		Ctr./Meas. Reading:	

Fortescue Message:

Life Saving Choices
Always wear a seatbelt and obey speed limits when driving

Work Order Long Text:

RGS008 Service and Inspection

** AVAILABLE SUNDAY SHELF 06.12 CW**

Operations Detail List:

Op	Description:	Work center:	Start Date:	No. Cap:	Plan Dur:	Act Dur:
0010	Scania G450 250-1000hr Service	MPLV-FTH	10.12.2023	2	0	0

Materials

Item:	Material:	Description:	Recipient:	Unloading Point:	Qty:	UOM:	Withdrawn:	Used Y/N
0001	3155995	KIT,REPAIR,FILTER,OIL,C/W O-RING	RGS008	CB-L/V WORK SHOP	1	KIT	1	
0002	3150043	KIT,OIL FILTER,CENTRIFUGAL	RGS008	CB-L/V WORK SHOP	1	KIT	1	
0003	3148073	FILTER AIR PRIMARY SUIT G450 TRUCK	RGS008	CB-L/V WORK SHOP	1	EA	1	
0004	3148074	FILTER SAFETY AIR SUIT G450 TRUCK	RGS008	CB-L/V WORK SHOP	1	EA	1	
0005	3148071	FILTER CAB SUIT G450 TRUCK	RGS008	CB-L/V WORK SHOP	1	EA	1	
0006	3150044	KIT FILTER	RGS008	CB-L/V WORK SHOP	1	KIT	1	
0007	3148075	FILTER SCR SUIT G450 TRUCK	RGS008	CB-L/V WORK SHOP	1	EA	1	
0008	3148076	PRE-FILTER SCR INLINE SUIT G450 TRUCK	RGS008	CB-L/V WORK SHOP	1	EA	1	
0009	3189687	FILTER,DIFF,G450	RGS008	CB-L/V WORK SHOP	2	EA	2	

Material Purchased

Item:	Purchasing Doc:	Description:	Qty:	UOM:	Withdrawn:	Used Y/N
-------	-----------------	--------------	------	------	------------	----------



Fortescue

Work Order Scope

Work Order: 2200661483 - RGS008 Service and Inspection

Main Work Centre:	MPLV Light Vehicles	Revison No:	MP23WK49
Planner Group:	M17 - Light Vehicle 1	Start Date:	10.12.2023
Function location:	CLB-MP-LV01-TRUCKS-RGS008	Activity Type:	210
FL Desc:	RGS008 Scania G450 8X4 Water Cart	Priority:	3
Sort Field:	RGS008	Reservation:	11735593
Equipment Number:		Ctr./Meas. Reading:	
Eq Desc:			

Recipient:	Unloading Point:	Part Number:	
0009 RGS008	4502345445/10 FILTER,DIFF,G450 CB-L/V WORK SHOP	2 EA	2



Work Order Scope



Work Order: 2200661483 - RGS008 Service and Inspection

Main Work Centre:	MPLV Light Vehicles	Revison No:	MP23WK49
Planner Group:	M17 Light Vehicle 1	Start Date:	10.12.2023
Function location:	CLB-MP-LV01-TRUCKS-RGS008	Activity Type:	210
FL Desc:	RGS008 Scania G450 8X4 Water Cart	Priority:	3
Sort Field:	RGS008	Reservation:	11735593
Equipment Number:		Ctr./Meas. Reading:	
Eq Desc:			

FEEDBACK

<u>Work Center</u>	<u>Hrs Worked</u>	<u>SAP No:</u>	<u>Name:</u>	<u>Date:</u>
_____	_____	620991	Ruoy Maraman	10-12-23
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

COMPLETION CHECKS

Completed By: Ruoy M. Date: 10-12-23
(Print Name)

Supervisor: At El Supervisor: AM Date: 10/12/23
(Print Name) (Signature)



Operation of Stertil-Koni Hoist



1. PURPOSE

The purpose of this Safe Work Instruction (SWI) is to provide a safe method for Light Vehicle workshop staff to operate the Stertil-Koni Hoists.

2. SCOPE

This Safe Work Instruction **SHALL** apply to all personnel who are required to complete work utilising the Stertil-Koni Hoists. This Safe Work Instruction supersedes all previous Safe Work Instructions and Site Notices.

3. DEFINITIONS

- **SHALL, MUST** and **WILL** are mandatory.
- Should is recommended, but not mandatory.

4. AREA

Light Vehicle Maintenance (Utilities Department)

5. REFERENCES / ASSOCIATED DOCUMENTATION

- [Life Saving Choices](#)
- [Mines Safety and Inspection Act 1994](#)
- [Mines Safety and Inspection Regulations 1995](#)
- [100-PR-SA-1028 Cloudbreak Isolation & Tagging](#)
- [CB-WI-UT-0012 Isolation of vehicles while being maintained on LV hoist](#)
- [100-FR-RK-0005 Take Control](#)
- [100-FR-RK-0004 Job Hazard Analysis](#)
- [100-PR-SA-0039 Personal Protective Clothing and Equipment](#)
- CR-7037 – Change Management Request Number

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Prepared by:	Reviewed by:	Approved by:	To Be Reviewed	Issue Date:	Print Date:	Page 1 of 9
Richard Milway	Dave Garces	Ryan Bradford	05/01/2024	05/01/2021	05/01/2021	



6. REQUIREMENTS

LIFE SAVING CHOICES

The twelve choices define the standards that shall be met in our workplace to ensure safe systems of work, and to guide you in making the correct decisions. The choices you make, every single day, are fundamental to creating a safe operation. The non-negotiable choices are:

LIFE SAVING CHOICES					
	Use fall injury protection when working at height.		Secure tools and barricade work areas to prevent dropped objects.		Always walk and work outside the footprint of a suspended load.
	Stop at stop signs and rail crossings.		Verify isolations before work begins.		Confirm stored energy has been controlled before work begins.
	When driving wear a seat belt and obey speed limits.		When travelling or working remotely use communication and tracking devices.		Only inflate tyres in an approved tyre safety device.
	Maintain 3 metres from track and only work within authorisation limit.		Wear a PFD when working above water.		Obtain authorisation to enter explosives exclusion zones.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

--	--	--	--	--	--	--	--

JOB SPECIFIC RESOURCES

Barricading	<input type="checkbox"/>	Sentry & Sentry Board	<input type="checkbox"/>	Fire Blankets	<input type="checkbox"/>	Phones	<input type="checkbox"/>
Drinking Water	<input type="checkbox"/>	Running Water	<input type="checkbox"/>	Voltage Reducer	<input type="checkbox"/>	Extinguishers	<input type="checkbox"/>
Warning Signs	<input type="checkbox"/>	Fire Watch	<input type="checkbox"/>	Radio	<input type="checkbox"/>	First Aid Kit	<input type="checkbox"/>

JOB SPECIFIC EQUIPMENT

Jack Stands	<input checked="" type="checkbox"/>	Wheel Chocks	<input checked="" type="checkbox"/>	Hydraulic Jack	<input checked="" type="checkbox"/>	Jack Stand Positioner	<input checked="" type="checkbox"/>
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7. JOB STEP AND CONTROL METHODS

7.1 Create a Clear Plan of the Task

Control Measures:

- Complete a Take Control card before commencing the task to identify any immediate hazards.
- If the task deviates from this SWI a JHA **SHALL** be completed and approved by the area Supervisor.
- Only personnel who are trained, assessed and authorised **SHALL** perform this work.
- Review any procedures/SWIs associated with the task.

7.2 Set up hoist for use

Control Measures:

- Check hoist prestart book filled out
- Carry out walk around of hoists to ensure no faults or damage
- Report any faults or damage to supervisor and raise notification for repair
- Hoist to be positioned on flat level concrete with no cracked edges or holes in concrete under hoist base.

7.3 Position vehicle in workshop

Control Measures:

- Using required spotters position vehicle in workshop.
- Ensure vehicle positioned so that hoist can be manoeuvred without concern for manual handling or bay access.
- Activate park brake and fit correctly sized wheel chocks.
- Check GVM of vehicle and ensure is within the SWL of the hoist (8500kg per column for Stertil-Koni Hoist)
- **Ensure any vehicles with bulk tanks have been emptied prior to lifting.**



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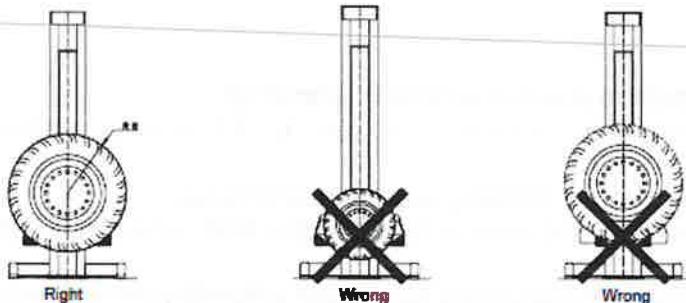
7.4 Position hoists against vehicle

Control Measures:

- Hoist to be squarely located against wheel so that the hoist forks sit flat on tyre.



- Locate hoist so that tyre sits evenly between forks.
- Once in position ensure wheel jack is lowered completely.
- Adjust forks by lifting the T-Bar lock and sliding forks close to the tyre. Ensure T-bar locks into place. **Do not lift if locks not secure!**



- Ensure weight distributed evenly over all hoist columns

8x8 and 8x4 trucks



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6x4 Trucks



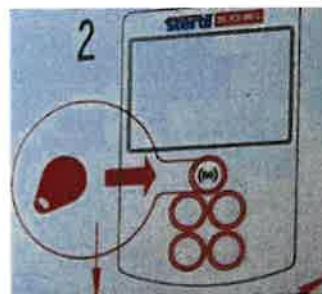
4x4 and 4x2 Vehicles



7.5 Activate hoist columns

Control Measures:

- Ensure all columns to be utilised have sufficient Battery life for the lift
- Identify the Master Column and start the Initialised from there
- Swipe the hoist key fob over the receiver on the control panel



- Select the number of columns that you want to activate (must be an even number)
- Swipe the key fob over the receiver on each column's control panel ensuring the column registers
- When final column to be used has been initialised return to the first column and swipe the fob over the receiver again. Columns are now ready for lift

7.6 Raise hoist

Control Measures:

- Raise Hoist by pressing the UP arrow on the column 1st initialised



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- Keep an eye on lifting columns at all times.
- Stop lift immediately if columns lift rates vary or if load seems unstable.
- Once vehicle at desired height Press the **DOWN** button to lower columns onto locks ensuring hoists lock at even heights.



- In any columns fail to lock immediately lower hoist back to ground, tag out and investigate fault.
- Once hoist is at required height carry out hoist isolation on the "Hoist Master Isolator" (Labelled as such) as per [100-PR-SA-1028 Isolation & Tagging](#)
 - Try start **MUST** be carried out on each column to ensure no power at any of the control panels ensuring remote isolators are functioning correctly.
 - If power is evident at any of the control panels hoist must be reactivated, vehicle returned to ground level and hoist tagged out until isolation fault is rectified.



- Hoist must be isolated any time that a vehicle is positioned on it

7.7 Support Stand Use

Control Measures:

- If stands are to be used, position stands under approved chassis or suspension component locations. If unsure refer to OEM manual for vehicle.
- **Always** ensure stand SWL is suitable for vehicle GVM and pre-start stands before use.
- De-isolate hoist and lower until stands are securely located in approved locations.
- Once hoist and stands at required level isolate hoist again as per [100-PR-SA-1028 Isolation & Tagging](#)
- **Body must not be placed under vehicle whilst hoist is not isolated.**

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7.8 Lowering hoist

Control Measures:

- Complete walk around of hoist and ensure there are no obstructions and ensure no obstructions to lowering
- Ensure no personnel in area
- Press the **UP** button and raise hoist enough to lift hoist off locks
- Press the **UNLOCK** and **DOWN** button to lower hoist (Unlock button can be release once hoist is moving)



- Operator **MUST** keep a visual on posts while lowering. If columns fail to lower at an even rate stop task immediately, lower columns onto locks and investigate fault.
- Before removing all columns from vehicle ensure park brake applied if applicable and wheel chocks are in place.

8.0 Hoist Column Maintenance

Isolating hoists for maintenance and repairs

Control Measures:

- During maintenance and repair of hoist columns individual columns must be isolated using the column maintenance isolator (Labelled as such)
- Isolation to be carried out as per 100-PR-SA-1028 Isolation & Tagging



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9.0 Reporting Responsibilities

Incident and Accident Reporting

Control Measures:

In the event of any Incident, Accident or Near Miss the operator **SHALL** do the following.

THE MACHINE OR MACHINES MUST NOT BE MOVED FROM THE INCIDENT OR ACCIDENT SCENE UNDER ANY CIRCUMSTANCES.

The Operator **SHALL** safely apply the machine Park Brake.

The Operator **SHALL** contact the Area Supervisor Immediately.

The Operator **MUST** remain with the machine until supervision arrives, but only if it is Safe to do so.

If the Incident or Accident is deemed an Emergency, the FMG site Emergency procedure **MUST** be followed.

10.0 Hazard Reporting

Control Measures:

If hazards are present remove or isolate them.

DO NOT put yourself or others in danger.

If the hazard cannot be removed or isolated, then complete a hazard report and inform your direct Supervisor.

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**Department
Utilities Department
Section
SAFE WORK INSTRUCT**

Document Number
CB-01039-WI-MN-0024

Title
Operation of Stertil-Koni Hoist

I have read, understood and shall comply with this safe work instruction

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SCANIA G400 SERVICE TRUCK 250HR/750HR INSPECTION/SERVICE

Date : 10-12-23

LV ID Number : R6S08

KM : 274329 : TRUCK HOURS 12369 : COMPRESSOR HOURS NA

Ensure vehicle is washed underneath prior to starting service.Please complete service before starting any repairs

INITIAL APPROPRIATE BOX

STEP	TASK	SERVICABLE	DEFECT FOUND AND REPAIRED	NOTIFICATION RAISED
1	Check all tyres and rims for condition and wear.	Rm		
2	Check all wheel nuts and wheel nut indicators.	Rm		
3	Check ID numbers are visible and in good condition.	Rm		
4	Check condition of panel/fenders and condition of doors.	Rm		
5	Check ring feeder operation, condition and security.	Rm	SIEZED	
6	Check lockable isolators for operation and condition.	Rm		
7	Check jump start receptacle, if fitted, for corrosion, damage and security.	Rm		
8	Check windscreen and window condition.	Rm		
9	Check condition of cab interior.	12m		
10	Check operation of washers and wipers.	Rm		
11	Mine radio fitted and operational.	Rm		
12	AM/FM radio operational.	Rm		
13	Check condition and operation of seats.	Rm		
14	Seat belts fitted and operational.	Rm		
15	All mirrors serviceable.	Rm		
16	Condition of all peddle rubbers.	Rm		
17	Operation of steering column tilt.	Rm		
18	Operation of horn both electrical and air.	Rm		
19	Check prestart book for faults.	Rm		
20	Check first aid kit is in vehicle.	Rm		
<u>Test drive vehicle</u>				
21	Check operation of service brake.	Rm		
22	Check operation of retarder + exhaust brake.	Rm		
23	Check operation of speedo and all gauges.	Rm		

Rev 5

19/12/2020

PREPARED BY

Richard Milway

CHECKED BY

Dave Garces

APPROVED BY

Ryan Bradford



SCANIA G400 SERVICE TRUCK 250HR/750HR INSPECTION/SERVICE

STEP	TASK	SERVICABLE	DEFECT FOUND AND REPAIRED	NOTIFICATION RAISED
24	Check handbrake holds on incline.	Rm		
25	Check operation of a/c and fan.	Rm		
26	Check ad blue level on cluster and top up as required. (Servicemen have access to bulk fill)	Rm		
27	Check trans oil level on cluster.	Rm		
<u>Two person tasks and running checks</u>				
28	Check brake system for air leaks with foot on brake and handbrake off Then handbrake on and foot on brake.	Rm		
29	Check brake operation, Check for free play in slack adjusters and brake cam shafts ensure push rods move freely and don't bind up.	Rm		
30	Check all steering components for free play, wear and damage.	Rm		
31	Check operation of all lights on vehicle and service module.	Rm		
32	Check operation of reverse alarm.	Rm		
33	Check operation of reverse camera.	Rm		
34	Check operation of beacon.	Rm		
35	Check PTO operation.	Rm		
36	Check compressor operation.	Rm		
37	Check hydraulic cooling fans operate.	Rm		
38	Check level and condition of oil in planetary gear hubs.	Rm		
<u>Under bonnet checks</u>				
39	Replace a/c cabin filter.	Rm		
40	Check coolant level and condition.	Rm		
41	Check power steering oil level and condition.	Rm		
42	Check and lube bonnet catches.	Rm		
<u>Tilt cab</u>				
43	Check for oil, coolant, fuel, air and exhaust leaks.	Rm		
44	Check a/c hoses, condenser, thermo fans and compressor for condition, damage and leaks.	Rm		
45	Replace air filters.	Rm		
46	Check air intake system for clamp security and overall condition.	Rm		



SCANIA G400 SERVICE TRUCK 250HR/750HR INSPECTION/SERVICE

STEP	TASK	SERVICABLE	DEFECT FOUND AND REPAIRED	NOTIFICATION RAISED
47	Replace oil filter.	Rm		
48	Clean the centrifugal filter and Replace paper insert.	Rm		
49	Check condition of engine drive belts, tensioner and idler pulleys.	Rm		
50	Fill up washer bottle.	Rm		
51	Fill auto grease unit reservoir with grease.	NA		
52	Remove battery cover, check batteries are attached securely, there is no damage to connections, cables and fluid levels are correct. top up if required.	Rm		
<u>Set up hoist and lift truck</u>				
53	Check front anti roll bar bushes.	Rm		
54	Check front anti roll bar screw joints.	Rm		
55	Check rear anti roll bar bushes.	Rm		
56	Check rear anti roll bar screw joints.	Rm		
57	Check all auto grease lines and fittings for leaks.	Rm NA		
58	Check spring pins, kingpins, slack adjusters, steering component's, rear springs and trunnions are taking grease.	Rm		
59	Grease all propeller shafts, universal joints, centre bearings and check for wear and damage.	Rm		
60	Check rear leaf springs, u bolts, spring clips and bushes for wear and damage.	Rm		
61	Check torque rod bolts for tightness and bushes for wear.	Rm		
62	Check front leaf springs, U-bolts and bushes for wear and damage.	Rm		
63	Drain engine oil, clean drain plug and Replace the sealing washer.	Rm		
64	Check that the Engine Breather is clear of build-up	Rm		
65	Check diff oil levels, condition and check diffs for leaks.	Rm		
66	Check shock absorbers for cracks, leaks and mounting brackets for cracks and damage.	Rm		



SCANIA G400 SERVICE TRUCK 250HR/750HR INSPECTION/SERVICE

STEP	TASK	SERVICABLE	DEFECT FOUND AND REPAIRED	NOTIFICATION RAISED
67	Check all brake lines for security, condition and damage.		Rm	
68	Check all brake linings for condition and wear (must be more than 8mm thick)		Rm	
69	Check trans cooler hoses and pipes for damage, leaks and security		Rm	
70	Check general condition under body and report any damage found.		Rm	
	<u>Lower truck to ground</u>			
71	Fill engine oil with 43L of engine oil start up and check level.		Rm	
	<u>Compressor Checks</u>			
72	Check cooling fan and belts. Replace belts every 1000h or as required.			
73	Check for oil leaks.			
74	Replace air filter as required.			
75	Check operation of pressure relief valve.			
76	Clean the external oil cooler.			
77	Check compressor mounts.			
	<u>Module checks</u>			
78	Check cabinet door for operation and security.			
79	Check bulk grease tank for leaks and security.			
80	Check tank breathers are secure and serviceable.			
81	Check sight glasses on side of tanks are readable and free of leaks.			
82	Check all components in cabinet for leaks and signs of deterioration.			
83	Inspect the integrity of the burst sleeving on the high-pressure grease lines and hand piece.			
84	Check condition of all oil and grease pumps.			
85	Check operation of all hose reels and hoses.			
86	Check all fitting on filling banks are serviceable.			



SCANIA G400 SERVICE TRUCK 250HR/750HR INSPECTION/SERVICE

- 87 Check operation of hydraulic fuel reel and valve.

STEP	TASK	SERVICABLE	DEFECT FOUND AND REPAIRED	NOTIFICATION RAISED
88	Check PTO hydraulic oil level is correct and check system for leaks			
89	With ignition on check all tank level sensors are reading			
90	Take oil samples for all module bulk tanks. Oil samples to be delivered to tool store. Oil sample forms to completed in full or samples will not be tested.			
91	Check compressor hour meter is operational when compressor is running and record hour reading			
	<u>Jack up truck and put stands under chassis</u>			
92	Check kingpins and wheel bearings for movement		Rm	
93	Check trunnions for wear and excessive movement		Rm	
94	Test drive vehicle , check for any faults and raise notifications as required		Rm	



MINE SERVICES - MAINTENANCE

CB-CK-MN-0017

SCANIA G400 SERVICE TRUCK 250HR/750HR INSPECTION/SERVICE

Repairs required at next truck service

Extra parts required before next truck service

~~REAR UPPER LH INDICATOR NOT WORKING~~
~~JACK SHAFT UNI U/S~~
~~REAR BRAKE PEGLINE~~
POS 78 & 1112 TYRES WORK

REAR WHEEL LH INDICATOR NOT WORKING
JACK SHAFT UNI U/S
REAR BRAKE RELINE
POS 78 & 11,12 TYRES WORN

Inspection Completed By:

Name: Roxi nelson

Sign: Jayne

Name: _____

Sign:

Name: _____

Sign:

Name: _____

Sign:

Supervisor:

Name: At El

Sign: Aly

	Department Mobile Maintenance	Document Number CB-01039-WI-MN-0022
	Section STANDARD WORK INSTRUCTION	Title Scania Truck – Preventative Maintenance Services

Scania Truck – Preventative Maintenance Services



1. PURPOSE

The purpose of this Standard Work Instruction is to provide a safe system of work for all personnel required to service the fleet of Scania trucks safely and in a consistent manner and to provide a clear step by step process in which the task **MUST** be followed.

This instruction describes what **MUST** be done and how it is to be done. This is a standard work instruction for the scheduled PM servicing of a Scania Service Vehicle in the mobile workshop environment. This involves A, B, C and D scheduled services. This SWI is to be used in conjunction with the applicable service sheet that matches the service that's being done.

2. DEFINITIONS

- **SHALL, MUST** and **WILL** are mandatory.
- Should is recommended, but not mandatory.

3. SCOPE

This Standard Work Instruction **SHALL** relate to all Mine personnel required to service the fleet of Scania trucks. Personnel **SHALL** comply with Fortescue's **LIFE SAVING CHOICES**. This Standard Work Instruction supersedes all previous Standard Work Instructions and Site Notices.

4. AREA

Cloudbreak Mobile Maintenance Vehicle Workshop

5. REFERENCES / ASSOCIATED DOCUMENTATION

- [Life Saving Choices](#)
- [Mines Safety and Inspection Act 1994](#)
- [Mines Safety and Inspection Regulations 1995](#)
- [45-PR-SA-0018 Personal Protective Clothing and Equipment](#)
- [100-FR-RK-0004 Job Hazard Analysis](#)
- [CB-01039-WI-MN-0024 Operation of Stertil-Koni for Light Vehicles Work Instruction](#)
- [CB-01039-WI-MN-0048 Cloudbreak LV Workshop Multi-Post Hoist System.](#)
- [100-PR-SA-1028 Isolation & Tagging](#)
- [CB-WI-UT-0012 Isolation of Vehicles Being Maintained on LV Hoist SWI](#)
- [100-PR-SA-1034 Physical Separation Barricading Procedure](#)
- Applicable Scheduled PM Inspection Sheet

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				Revision No:	3

	Department Mobile Maintenance Section STANDARD WORK INSTRUCTION	Document Number CB-01039-WI-MN-0022 Title Scania Truck – Preventative Maintenance Services
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6. REQUIREMENTS

Life Saving Choices

The twelve choices define the standards that **SHALL** be met in our workplace to ensure safe systems of work, and to guide you in making the correct decisions. The choices you make, every single day, are fundamental to creating a safe operation. The non-negotiable choices are:

LIFE SAVING CHOICES					
	Use fall injury protection when working at height.		Secure tools and barricade work areas to prevent dropped objects.		Always walk and work outside the footprint of a suspended load.
	Stop at stop signs and rail crossings.		Verify isolations before work begins.		Confirm stored energy has been controlled before work begins.
	When driving wear a seat belt and obey speed limits.		When travelling or working remotely use communication and tracking devices.		Only inflate tyres in an approved tyre safety device.
	Maintain 3 metres from track and only work within authorisation limit.		Wear a PFD when working above water.		Obtain authorisation to enter explosives exclusion zones.

PERSONAL PROTECTIVE EQUIPMENT (PPE)					
					

JOB SPECIFIC RESOURCES					
Barricading	<input type="checkbox"/>	Sentry & Sentry Board	<input type="checkbox"/>	Fire Blankets	<input type="checkbox"/>
Drinking Water	<input checked="" type="checkbox"/>	Running Water	<input checked="" type="checkbox"/>	Hoist	<input checked="" type="checkbox"/>

WORK PERMIT REQUIREMENTS					
Confined Space Entry	<input type="checkbox"/>	Work Box	<input type="checkbox"/>	Work Permit	<input type="checkbox"/>
Live Electrical Work	<input type="checkbox"/>	Non Standard Lift. If determined as being required	<input type="checkbox"/>	Master Permit	<input type="checkbox"/>
Excavation / Penetration	<input type="checkbox"/>	Work at Height	<input type="checkbox"/>	HV Electrical Permit	<input type="checkbox"/>
Hot Work	<input type="checkbox"/>	O/Side Vessel – Platform	<input type="checkbox"/>	Environmental	<input type="checkbox"/>

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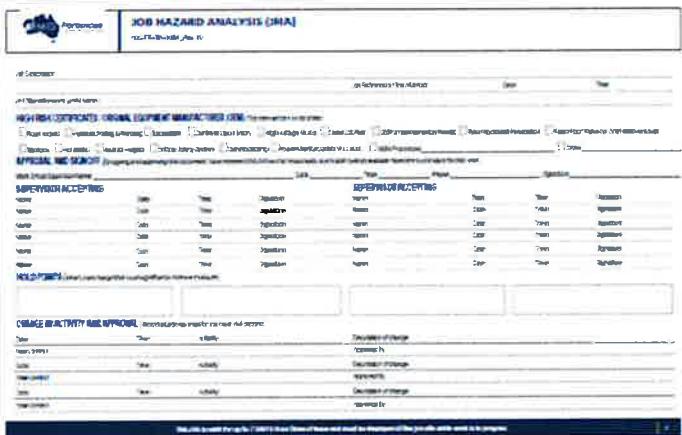
7. Hazards to Consider

- Can anyone be struck by, or come into contact with anything?
- Can anyone be caught in, on, under, against or between anything?
- Can anyone slip, trip or fall?
- Can anyone be exposed to physical limitations (e.g.: not enough space, awkward posture)
- Access to tools fit for purpose?
- Is anyone at risk from others working in close proximity?
- Could stored energy be a hazard?
- Can I avoid line of fire for tooling? Push away were possible, don't pull towards!
- Do I know the vehicle weight before jacking/ supporting the vehicle? **The weight is available on the delivery documentation located with the asset owners manuals in LV office.**

Scania G410 service truck weight 32,000kg with bulk fuel tank empty and oil compartments full.

8. JOB STEP AND CONTROL MEASURES

8.1 Create a clear plan of the Task

 <p>This form is a Job Hazard Analysis (JHA) document. It includes sections for job description, reference to the manual, supervisor accepting, employee accepting, change activity, and a pink tag section.</p>	 <p>This form is a 'Take Control' document. It asks if the worker has a safe system of work, identifies risks, and provides a space for the worker to sign and date the document.</p>
--	--

Control Measures:

- Complete a Take Control before commencing the task to identify any immediate hazards.
- If the task deviates from this SWI a JHA SHALL be completed and approved by the area Supervisor.
- Only personnel who are trained, assessed and authorised SHALL perform this work.
- Review any procedures/SWIs associated with the task.

8.2 Complete initial checks as per service/inspection checklist

Control Measures:

- Any live testing must be done under pink tag as per [100-PR-SA-1028 Isolation & Tagging](#)
- Operator competent with current VOC for truck being driven.
- Truck must be fundamentally stable.
- Do not place hands or body in pinch points or line of fire of any moving parts
- Beware hot surfaces

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8.3 Test drive truck to make sure all is working as it should be

Control Measures:

- Operator competent with current VOC for truck being driven.
- Drive to conditions.
- Follow road rules.

8.2 Position Vehicle in Workshop

Control Measures:

- Position truck into workshop bay where service is to be conducted.
- Truck must be spotted into and out of the workshop by 2 VOC'd spotters, ensure good communication when moving/operating the machine.
- Work area is clear of unnecessary equipment.
- Apply park brake and ensure vehicle is fundamentally stable.
- If park brake is required to be released ensure vehicle has wheel chocks in place.
- Check vehicle for mud hang up and cleanliness. Report to supervisor if vehicle has not been washed sufficiently

8.2 Carry out running checks on truck

Control Measures:

- Running checks **MUST** be carried out under pink test and tag as per [100-PR-SA-1028 Isolation & Tagging](#)
- Ensure any workers assisting with checks are also tagged onto machine
- Only one task at a time to be conducted under pink test tag
- Beware hot components and maintain situational awareness at all times
- Beware pinch points and moving parts and never place body parts in line of fire
- Maintain positive communication with any team members assisting with task
- If communication stops **IMMEDIATELY STOP** task and re-establish communication

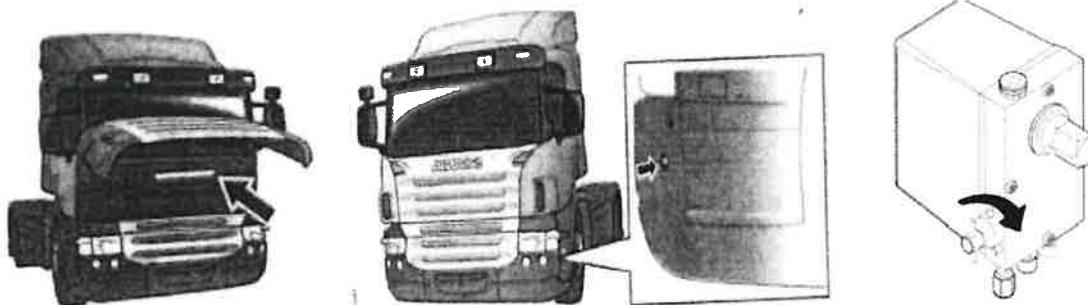
8.3 Raise Cab for access to engine bay

Control Measures:

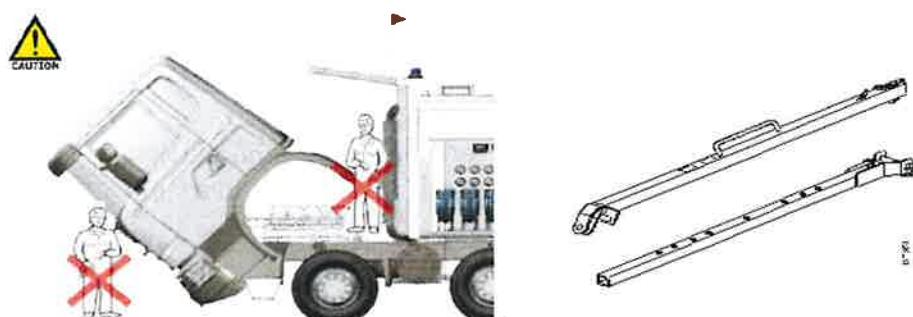
- Ensure vehicle isolated and tagged prior to cab lift as per [100-PR-SA-1028 Isolation & Tagging](#)
- If vehicle has electric cab tilt ensure pink test tags and signs are in place.
- Check work area is clear of any obstructions, cone off if required
- Ensure no loose items in cab that could cause damage when cab tilted
- Activate the switch for cab tilting on the instrument panel G410/G450 and P280/P380
- Open front grille and side panels, prior to tilting cab
- Make sure cab moves freely when being raised
- At no time place any body parts in the line of fire of the cab while it is being raised
- Cab stay **MUST** be installed and cab lowered onto stay rod prior to work commencing
- Barricades to be used as per [100-PR-SA-1034 Physical Separation Barricading Procedure](#)

G400

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Prepared by:	Reviewed by:	Approved by:	To Be Reviewed	Issue Date:	Print Date:	Page 4 of 8
Richard Milway	Kim Crosswell	John Shrives	07/05/2026	07/05/2023	31/01/2020	
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**G410/G450 and P280/P380****Hazards to consider.**

- Do not stand in front of or behind cab whilst lifting
- Cab Stay Must be securely in place prior to work commencing
- Barricade area ahead of cab if required.

**8.4 Commence service of truck as per work order & service sheets.****Control measures:**

- Take care when working under vehicle on ground. Abide by 20x20x20 rule as sustained time in awkward position could result in musculoskeletal injury
- Beware pinch points and line of fire when using tooling
- Push away from body where possible and position hands to reduce chance of slip/ crush injuries

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	Department Mobile Maintenance	Document Number CB-01039-WI-MN-0022
	Section STANDARD WORK INSTRUCTION	Title Scania Truck – Preventative Maintenance Services

- Be aware of hot surfaces and sharp edges
- Be aware of compressed air and stored energy when checking air system such as brakes, hoses and tanks
- Correct PPE for task

8.5 Raise Vehicle on Hoist if required

Control Measures:

- Follow [CB-01039-WI-MN-0024 Operation of Steril-Koni for Light Vehicles Work Instruction](#)
- Or [CB-01039-WI-MN-0048 Cloudbreak LV Workshop Multi-Post Hoist System](#).
- Ensure bulk fuel tank has been emptied. If has not been emptied notify supervisor and do not perform lift.
- Know the weight of the vehicle and never exceed the SWL of the hoist to be used.
- Ensure that the hoist cables and posts are well away from the lifting assembly.
- Only lift on flat level concrete suitable to carry the load of truck and hoists.
- Monitor columns at all times during raising and lowering to ensure lifting and lowering evenly.
- Once set at desired height hoist is to be locked out and test tried as per [CB-WI-UT-0012 - Isolation of vehicle on LV hoist](#)

8.6 Commence under chassis service.

Control Measures:

- Potential for falling mud etc. Make sure correct PPE is worn as required.
- If draining oils take care of hot liquids and avoid skin contact.
- Sustained awkward positions can lead to musculoskeletal injuries. Abide by 20x20x20 rule
- **Beware stored energy in braking system air lines and tanks.**
- **Ensure controlled release of air pressure before work commences on system**
- Be aware of pinch points and crush zones when using tooling or fitting/removing parts.

8.7 Lower vehicle on hoist to ground level

Control Measures:

- Follow [CB-01039-WI-MN-0024 Operation of Steril-Koni for Light Vehicles Work Instruction](#)
- Or [CB-01039-WI-MN-0048 Cloudbreak LV Workshop Multi-Post Hoist System](#).
- Ensure that the hoist cables are well away from the lifting assembly.
- Ensure that all personnel are clear of the heavy vehicle.
- Always monitor columns during lowering to ensure it is lowering evenly.
- Once at ground level hoist is to be locked out and test tried as per [CB-WI-UT-0012 - Isolation of vehicle on LV hoist](#)

8.8 Commence service of module

Control Measures:

- Take care to avoid contact with hydrocarbons.
- Avoid pinch points in hose reels and service bay doors.
- Keep hands clear of line of fire.
- Maintain 3 points of contact when accessing and egressing module. Be aware of 2x2 rule and do not expose yourself to fall from heights at any time.
- If work/repairs inside cabinet are required complete a separate risk assessment for the task.

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8.9 Complete service on air compressor

Control Measures:

- Ensure isolation carried out as per 100-PR-SA-1028 Isolation & Tagging
- Take care to avoid contact with hot liquids
- Take care when accessing compressor. Do not stand on compressor platform without adequate guarding in place
- Mind hands on sharp edges and in pinch points with tooling
- If fork lift used to remove compressor for service, ensure JHA completed for task, fork lift prestart completed and operator voc'd for equipment.
- Ensure forklift operated as per CB-01039-WI-MN-0013: Operate forklift within light vehicle / dewatering yard
- All rigged loads to be slung by competent rigger or dogman
- Forklift operator must be tagged on to truck and signed onto any associated risk assessments
- Never place hands or body in line of fire of forklift or suspended loads

8.10 Complete service and move it out of service bay

Control Measures:

- Ensure any running checks are conducted under pink tag and follow 100-PR-SA-1028 Isolation & Tagging
- Remove all barricading from area.
- Truck must be spotted into and out of the workshop by a VOC'd spotter and ensure good communication when moving/operating the machine.
- Clean up work area and maintain housekeeping standards.

8.10 Test drive truck to make sure all is working as it should be

Control Measures:

- Operator competent with current VOC for truck being driven.
- Drive to conditions

9. Reporting Responsibilities - Reporting truck faults

Control Measures:

- All urgent faults to be reported to supervisor and to be rectified prior to truck being sent back to work
- All faults not deemed urgent to have notification raised in SAP

9.1 Reporting Responsibilities - Incident and Accident Reporting

Control Measures:

- In the event of any Incident, Accident or Near Miss the operator **SHALL** do the following.

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- THE MACHINE OR MACHINES MUST NOT BE MOVED FROM THE INCIDENT OR ACCIDENT SCENE UNDER ANY CIRCUMSTANCES.
- The Operator **SHALL** contact the Area Supervisor Immediately.
- The Operator **SHALL** inform all immediate people in vicinity of any potential hazards.
- The Operator **MUST** remain with the machine until supervision arrives, if it is Safe to do so.
- If the Incident or Accident is deemed an Emergency, the FMG site Emergency procedure **MUST** be followed.

9.2 Hazard Reporting

Control Measures:

- If hazards are present remove or isolate them.
- DO NOT put yourself or others in danger.
- If the hazard cannot be removed or isolated, then complete a hazard report and inform your direct Supervisor.

Signatures

I have received, read, understood and **WILL** comply with this Standard Work Instruction.

#	Date	Name	SAP Number	Signature
1.	10-12-23	RUDY MARAAN	620991	
2.				
3.				
4.				
5.				
6.				
7.				
8.				

Accepting Supervisor

1.	10/12/23	Art S	506892	
2.				
3.				
4.				
5.				
6.				

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MOBILE MAINTENANCE – LIGHT VEHICLES

CB-00039-CK-MN-0013

CLOUDBREAK ADDITIONAL DAMAGE REPORT

CLOUDBREAK LIGHT VEHICLES DEPARTMENT DAMAGE REPORTING SHEET

This sheet **must** be filled out where damage **OTHER** than fair wear & tear is noted while inspecting or servicing a vehicle. This sheet is to be filled out, with a description of the damage(s) as well as pictures, and then signed and submitted to the LV supervisor on shift.

The LV supervisor will then notify the responsible department's supervisor. The responsible department is to create an incident report in BMS and supply the number to the LV supervisor to record.

Once completed, this sheet will be uploaded as an attachment to the vehicle's function location in SAP, and a copy saved into the file location M:\Mine Services\Maintenance\Maintenance Support\Vehicle Damage with the vehicle fleet ID saved in the file name.

Service/Inspection Date:	Vehicle ID:
Kilometres / Hours:	Vehicle Make/Model:
Department: <small>(department which is responsible for the vehicle)</small>	Contact: <small>(contact details of the department which is responsible for the vehicle)</small>

Damaged Area	Description of the Damage

Rev 0

20/03/2017

100-TE-DC-0022 0

PREPARED BY
Kim Esberey

Kim Esbrey

Kiberey

CHECKED BY
Neil Amien

Neil Amien

BY


APPROVED BY

Graham Howard

APPROVED BY
Graham Howard




MOBILE MAINTENANCE – LIGHT VEHICLES

CB-00039-CK-MN-0013

CLOUDBREAK ADDITIONAL DAMAGE REPORT

PREPARED BY

Kim Esbrey

CHECKED BY

Neil Amien

APPROVED BY

Graham Howard

Pictures of the Damage

BMS Incident Number	Service Completed By	Checked By Supervisor
Reporting Person:	Print Name:	Print Name:
BMS Number:	Signature:	Signature:

Rev 0
20/03/2017
100-TE-DC-0022_0

PREPARED BY

Kim Esbrey

CHECKED BY

Neil Amien

APPROVED BY

Graham Howard



Work Order Scope



Fortescue

Work Order: 2200661483 - RGS008 Service and Inspection

Main Work Centre:	MPLV Light Vehicles	Revison No:	MP23WK49
Planner Group:	M17 Light Vehicle 1	Start Date:	10.12.2023
Function location:	CLB-MP-LV01-TRUCKS-RGS008		
FL Desc:	RGS008 Scania G450 8X4 Water Cart	Activity Type:	210
Sort Field:	RGS008	Priority:	3
Equipment Number:		Reservation:	11735593
Eq Desc:		Ctr./Meas. Reading:	

Fortescue Message:

Task At Hand

Be mindful of pinch points, crush zones and the line
of fire while conducting all tasks

Work Order Long Text:

RGS008 Service and Inspection

** AVAILABLE SUNDAY SHELF 06.12 CW**

Operations Detail List:

Op	Description:	Work center:	Start Date:	No. Cap:	Plan Dur:	Act Dur:
0020	Scania G450 250-1000hr Service	MPLV-AE	10.12.2023	1	0	0



Work Order Scope



Fortescue

Work Order: 2200661483 - RGS008 Service and Inspection

Main Work Centre:	MPLV Light Vehicles	Revison No:	MP23WK49
Planner Group:	M17 Light Vehicle 1	Start Date:	10.12.2023
Function location:	CLB-MP-LV01-TRUCKS-RGS008	Activity Type:	210
FL Desc:	RGS008 Scania G450 8X4 Water Cart	Priority:	3
Sort Field:	RGS008	Reservation:	11735593
Equipment Number:		Ctr./Meas. Reading:	
Eq Desc:			

FEEDBACK

<u>Work Center</u>	<u>Hrs Worked</u>	<u>SAP No.</u>	<u>Name:</u>	<u>Date:</u>
		620991	Rudy Morken	11-12-23

COMPLETION CHECKS

Completed By: Rudy M. Date: 11-12-23
(Print Name)

Supervisor: Wx St Supervisor: JH Date: 11/12/23
(Print Name) (Signature)