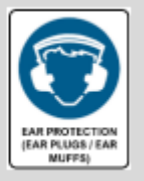




VUL-SWP-072a-005- Jacking and Supporting of Machine – Rear Dump Trucks

STANDARD WORK PROCEDURE (SWP)	
Description	<i>Jacking and Supporting of Machine – Rear Dump Trucks</i>
Site	<i>Vulcan Mine</i>
Department	<i>Maintenance – Tyres</i>
Purpose	<i>The purpose of this SWP is to provide a documented way of working to achieve an acceptable level of risk. The steps outlined pertain to the titled task only. All other SHMS requirements such as SOPs must be followed e.g.: VUL-SOP-065-PPE, VUL-SOP-089-Dust etc.</i>
PPE Required	Job Step Analysis Reference
    	CTMS-WI-OHT-CAT-001, 004, 005 & 006. This integrated SWP forms part of VUL-SOP-072a-Tyres, Wheels & Rims Mgmt.
	Other Relevant Information
	☐ Relevant OEM instructions & specification available
Task Specific PPE	<i>ERT resources available on-site during operations.</i>
  	<i>Personnel performing tyre fitting and maintenance tasks shall be assessed as competent in the specific units of competency according to the state OR national regulations</i> • AURKTJ011 Remove, inspect, and fit earthmoving and off-the-road tyres. • AURKTJ012 Remove, inspect, and fit earthmoving and off-the-road wheel / rim assemblies. • RIIVEH307D Operate heavy rigid vehicle. • RIIHAN307D Operate a vehicle loading crane.
The purpose of this SWP is to provide a documented way of working to achieve an acceptable level of risk. The steps outlined pertain to the titled task only. All other SHMS requirements such as SOPs must be followed eg VUL-SOP-065-PPE, VUL-SOP-089-Dust etc.	<i>Work Instruction is based on working in a controlled environment (Tyre Bay) on OEM standard Machine. If the environment, tools, equipment changes and or a deviation from this Work Instruction, a new JHA must be created and approved by all workers conducting the task.</i>
Critical (Hazard) Risks	
Ensure controls are in place for critical risks associated with this task. These include:	    

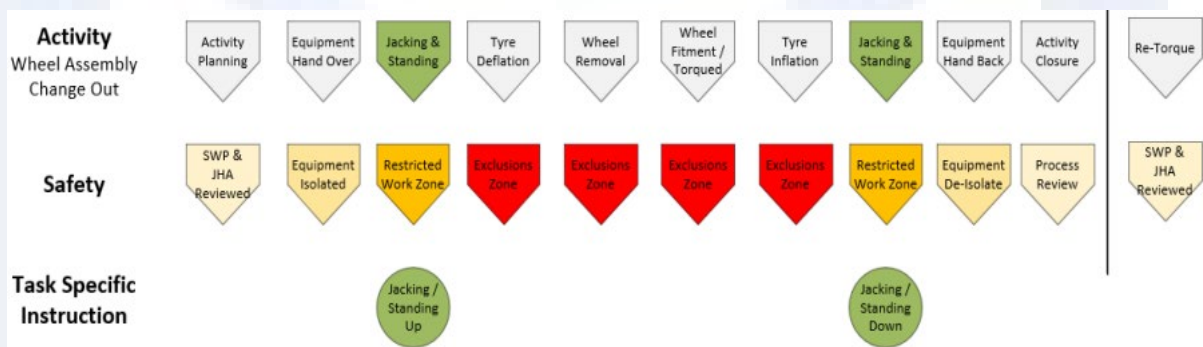


1. Planning & Preparation

1. Attend daily pre-start Meeting.
2. Confirm tasks with Supervisor.
3. Complete personal hazard ID tool (take five).
4. Establish Work Zone – Refer to:
 - **VUL-SWP-072a-004- Tyre Bay - Establishment of Work Zones**; and
 - **VUL-SOP-094-Check, Examine and Restrict Work Areas**

2. Jacking Machine OVERVIEW

1. Conduct a personal pre-task risk assessment to identify hazards and controls before commencing task.
2. Ensure that machines and in particular wheels/rims/tyres are clean with no hang-up or debris prior to jacking.
3. Ensure vehicle is chocked & fundamentally stable before jacking.
4. Tyre fitters are to identify the correct jacking point location prior to commencing to jack machine.
5. Jacking plates are to be used when the surface is sub-standard (pit work only) (refer to personal pre-task risk assessment).
6. Ensure that the equipment is empty prior to jacking.
7. All jacking tools should be used on a flat, stable concrete ground that can support the weight of the equipment.

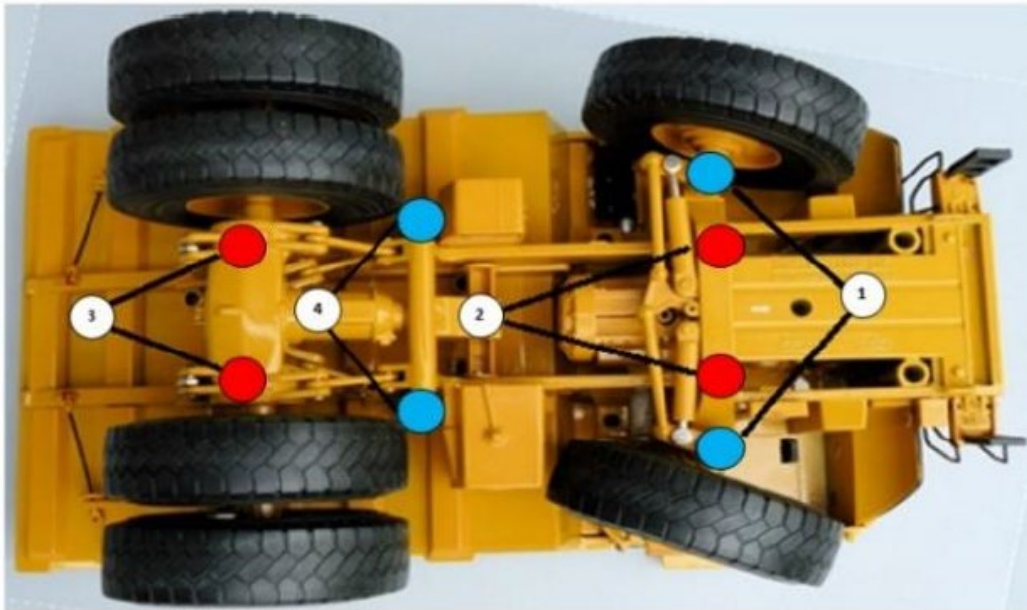


3. Machine Weights

1. Machine weights are to be obtained from the Machine itself, or from the OEM for the specific equipment being jacked.



4. Machine Jacking and Supporting Locations



Jacking/Supporting Points

1	Front Suspension Cylinders (Painted BLUE)
2	Flat surface of front casting frame (Painted RED)
3	Flat surfaces on the bottom of rear end housing (Painted RED)
4	Hoist cylinder support frames (Painted BLUE)

CAUTION: Hydraulic jack could fail and lower the machine unexpectedly with the potential damage to the machine or severe injury to personnel.

CAUTION: Incorrect positioning of the hydraulic jack or support stand could cause it to slip or be expelled sideways unexpectedly.

5. Jacking Machine – SINGLE FRONT WHEEL

1. Depending on the availability of tooling, the lifting and supporting tools of the machine may change.

OPTION 1 – Standard Jack

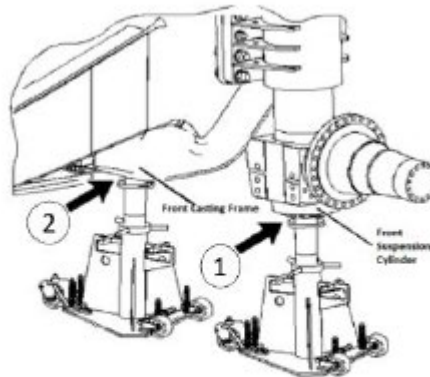
Location	Equipment	Purpose
1	60T Standard Jack (2 Off)	Lifting
2	60T Safety Stand (2 Off)	Support

OPTION 2 – Lift 'n' Lock Jack

Location	Equipment	Purpose
1	60T Lift & Lock Jack (2 Off)	Lifting & Supporting
2	60T Safety Stand (2 Off)	Support



2. Place the lifting tool underneath the corresponding lift point, on a flat surface, as stated in table above. Ensure that there is an adequate amount of ground clearance for the tyre handler/forklift to perform work. In the case of fitting a new tyre to the machine, allow 80-100mm of extra clearance.
3. Place the supporting tool underneath the corresponding standpoint, as stated in table above. Lock the device and lower the jack, allowing the machine to rest on the support stand.
4. Inspect the supporting tool, ensuring that the machine is positioned securely on the standpoint.



FRONT

6. Jacking Machine – SINGLE REAR DUAL WHEEL

1. Depending on the availability of tooling, the lifting and supporting tools of the machine may change.

OPTION 1 – Standard Jack

Location	Equipment	Purpose
1	60T Standard Jack (2 Off)	Lifting
2	60T Safety Stand (2 Off)	Support

OPTION 2 – Lift 'n' Lock Jack

Location	Equipment	Purpose
1	60T Lift & Lock Jack (2 Off)	Lifting & Supporting
2	60T Safety Stand (2 Off)	Support

2. Place the lifting tool underneath the corresponding lift point, on a flat surface, as stated in table above. Ensure that there is an adequate amount of ground clearance for the tyre handler/forklift to perform work. In the case of fitting a new tyre to the machine, allow 80-100mm of extra clearance.
3. Place the supporting tool underneath the corresponding standpoint, as stated in table above. Lock the device and lower the jack, allowing the machine to rest on the support stand.
4. Inspect the supporting tool, ensuring that the machine is positioned securely on the standpoint.

