

## Safe Work Instruction - Blade Change Procedure for Graders

**DO NOT use this plant\* unless you have been inducted in its safe use and operation by an Authorised Experienced Operator**

This SWI may not cover all possible hazards and risks and should be referred to as a control measure in the risk assessment process. Additional training may be required for high risk plant. Site and task may change required PPE.

### PERSONAL PROTECTIVE EQUIPMENT



Eye protection must be worn



Foot protection must be worn



Hearing protection must be worn



Hand protection must be worn

### POTENTIAL HAZARDS AND RISKS

- Entanglement**  
Entanglement in moving parts
- Shearing**  
Body parts sheared between items of plant
- Struck by Moving Object**  
Struck by moving object due to unexpected movement of plant
- Struck by Moving Object**  
Struck by falling object
- Manual Task Injury**  
Manual task injury from awkward body posture
- Other**  
Hearing damage from excessive noise
- Cutting, Stabbing or Puncturing**  
Injury from sharp edges or burrs
- Slip, Trips, Falls**  
Slip, trip, fall due to workspace and walkways not being made clear
- Exposure to High Pressure Fluid**  
Injury from exposure to high pressure fluids
- Manual Task Injury**  
Manual task injury from incorrect manual handling techniques

### PRE-OPERATIONAL SAFETY CHECKS

- ✓ Complete site specific risk assessment
- ✓ Complete the appropriate pre-operational plant checklist if applicable
- ✓ Ensure you are familiar with plant operations and controls
- ✓ Ensure that guards are fitted, secured and functional in accordance with manufacturers guidelines
- ✓ )

### OPERATING PROCEDURES

- ✓ Park machine on level even ground with park brake applied, away from passing traffic.
- ✓ Move mould board A Frame to full extension to R/H side.
- ✓ Rotate circle square to wheels
- ✓ Move mould board to fully forward to expose nuts and position at waist height.
- ✓ With Air Supply – Undo end bolts first of each section with rattle gun and place nut back on two or three turns (This will stop blade from falling.) Then undo all the rest of the bolts with rattle gun and place on mould board.
- ✓ **Without Air Supply** – The same procedure is used but use ¾ Drive T Bar with metal extension bar or cordless rattle gun.
- ✓ With 2-person support old cutting edge with one hand and undo nuts with the other, take blade section to ute – Repeat for second section.

- ✓ Again with 2-person place end bolt in cutting edge and hold in position with 1 hand / lift to mould board and place nut onto bolt using other hand. Repeat for section 2.
- ✓ With Air Supply tighten all bolts and tension with T Bar and pipe.
- ✓ Without Air Supply – Do all above with T Bar & Pipe or cordless rattle gun.
- ✓ Pick up all equipment place tools in ute & grader, wash hands etc.

### ENDING OPERATIONS

- ✓ Allow plant to cool before performing any maintenance, refuelling or cleaning
- ✓ Ensure plant is in good working order and stored in the appropriate location

### DO NOT

- ✗ Do not use if plant is faulty. Attach a DO NOT OPERATE tag and report fault to your supervisor
- ✗ Do not leave plant running unattended
- ✗ Do not leave keys in machinery whilst unattended
- ✗ Do not wear loose jewellery
- ✗ Do not use mobile phone while operating plant

\*Plant in this SWI refers to any machinery, equipment, appliance, container, implement and tool.