

Safe Work Procedure – Crawler Machine – Log Skidding and Trail Construction

PERSONAL PROTECTIVE EQUIPMENT

Hi-vis hardhat
Hearing protection
Gloves
Substantial footwear
Hi-vis clothing

PRE-WORK PLANNING AND COMMUNICATIONS

The supervisor should have regular pre-work meetings with the operator to ensure that they understand the work plan including:

- Reviewing the logging plan including the location of skid roads to be built; trail locations and skid pattern.
- Location of hazards including steep slopes, gullies, reserve zones, danger trees, rocks, holes and debris.
- Review of steep slope procedures if necessary and trails/roads to be used.
- Other equipment working in the area and radio frequencies being used.
- Provide the operator with an updated map of the cut block or digital copy.




PROCEDURES:

Please refer to and review the equipment manual prior to operating for safety features, instructions and manufactures information for the specific machine.

- Inspect the machine to ensure machine is in safe operating condition before using.
- Wear seat-belt when operating the machine.
- Make sure good housekeeping is maintained. Ensure fire extinguishers and other items are securely fastened in a safe location. Do not carry loose items in the cab.
- Frequently check and clean the engine compartment for combustible debris.
- Before beginning work in an unfamiliar location, walk the site and note the location of cliffs, steep banks, depressions or holes, utilities, stakes, survey markers, monuments or other obstacles. Know the location of fellow workers, particularly when using a chokerman.
- When using a chokerman, make sure all verbal and WorkSafeBC approved hand signals are used and understood or use of a 2 way radio before moving machine or lines.
- Travel at a safe speed.
- Exercise caution when working on hillsides. Review and follow the written safe work procedures for operating on steep slopes.
- When traveling down steep slopes, make sure the blade does not hook on a stump or rock, causing the machine to swing sideways and upset.
- Make sure ripper or chokers and main line are in safe working condition.
- When winching, align the machine with the direction of the pull.
- Do not enter an active falling area, stay a minimum of two tree lengths away.

- Do not work in areas where there is a danger of pushing trees, rocks or other debris into an active work area.
- When pushing trees over, remove the tension out of the trees using the blade or winch so they may be bucked without danger of tree springing back.
- Build skid trails wide enough for skidder or forwarder operation.
- Slope trails towards the inside bank, never outwards.
- Before leaving machine, lower the blade (and ripper/grapple if so equipped) and set the parking brake.
- Remember, if you encounter difficulty, contact your supervisor.
- If the machine becomes unstable, shut it down and request assistance.
- Ensure tracks are equipped with ice lugs in winter.
- Follow the lock-out procedures while conducting maintenance work on the machine. Raised blades, booms or other equipment components shall be secured with blocking or approved safety supports during maintenance.
- Always enter and leave the machine in a safe manner. Use the handholds for stability and beware of slipping hazards that exist particularly in winter. (Three point mount/dismount.).

<p align="center">Crawler Tractor Lockout - Tagout (One person working on machine)</p>	<p align="center">Crawler Tractor Lockout - Tagout (If more than one person working on machine)</p>	<p align="center">Crawler Tractor Tagout For Machine without master switch</p>
<p>Shut down procedure:</p> <ol style="list-style-type: none"> 1. Notify other affected employees. 2. Apply parking brake. 3. Lower blade and ripper or grapple to ground. 4. Shut down engine. 5. Turn off master. 6. Put personal lock and tag on master switch. 7. Test to verify zero energy (electrical-hydraulic-gravity). 	<p>Shut down procedure:</p> <ol style="list-style-type: none"> 1. Notify other affected employees. 2. Apply parking brake. 3. Lower blade and ripper or log grapple to ground. 4. Shut down engine. 5. Turn off master switch. 6. Each worker attach personal lock and tag to scissor lockout hasp on master switch. 7. Test to verify zero energy (electrical-hydraulic-gravity). 	<p>Shut down procedure:</p> <ol style="list-style-type: none"> 1. Notify other affected employees. 2. Apply parking brake. 3. Lower blade and ripper or log grapple to ground. 4. Shut down engine. 5. Key out and in pocket. 6. Put lockout tag initialed by all workers on ignition switch. 7. Test to verify zero energy (electrical-hydraulic-gravity).
<p>Start-up procedure:</p> <ol style="list-style-type: none"> 1. Remove personal lock from master switch. 2. Start machine. 	<p>Start-up procedure:</p> <ol style="list-style-type: none"> 1. Each employee removes personal lock and tag from scissor lockout hasp on master switch. 2. Start machine when all locks removed. 	<p>Start-up procedure:</p> <ol style="list-style-type: none"> 1. Each employee crosses off their initials on lockout tag when their work is completed 2. Start machine when all initials on tag crossed off.

		
<p align="center">Lockout tag (front)</p>	<p align="center">Lockout tag (back)</p>	<p align="center">Scissor lockout hasp – with marked locks</p>

ADDITIONAL SWP NOTES

DISCLAIMER: Information contained in this document does not necessarily provide the only correct way to address machine risks. While this SWP will help operators conform to industry best practices and the intent of current Regulations and Guidelines, it may not identify all requirements or actions that will be appropriate and necessary in various situations. It does not reduce or replace users' responsibilities under applicable legislation - individual organizations (companies, employers) are responsible to ensure application of suitable processes and practices. The information provided is subject to review in light of changing government requirements and regulations. Every effort has been made to ensure the reliability of the information herein and to avoid errors and omissions.