



INTRODUCTION TO VEI COMBINATION PIPELAYERS MACHINE OPERATION OVERVIEW

Vanguard Equipment, Inc.

032-08OP-SUM-01A, Nov-05

VEI combination pipelayers have state of the art features that set them apart from other combination machines. The sophisticated systems require a knowledgeable operator to avoid injury or machine damage. This summary outlines the fundamental differences in operation; read the *Operation and Maintenance Manual* for the specific machine before operating the machine for the first time.

Folding Boom • Practice extending and folding the boom a few times to get the hang of it.

Extending

1. Unhook stowing chain from top boom section
2. Raise the hook winch and lower the boom winch to extend the boom.
3. After the upper boom section goes over centre (hook line vertical), lower the boom winch and lower the hook winch.



Folding

1. Fold the boom using the boom and hook winches together. Raise the boom winch and follow with the hook winch (keep hook a little loose).
2. Keep a watchful eye on the hook line tension. When the boom goes over centre, the hook line will tighten, increasing the stress on the boom. The hook line must be lowered to continue to follow the boom.

Stowing

1. With the boom completely folded, **slacken the boom and hook lines** so that the boom will not be stressed when the track frames move up and down. Ensure that rigging blocks, etc., do not pinch the cables.
2. Secure the top of the folded boom with the stowing chain on the winch frame. Leave enough slack in the chain so that the boom will be able to move with the track frames, but keep the length short enough so that the boom's top section will not bounce around a lot.
3. Switch the pipelayer mode control to DOZING MODE.



Dozing



DO NOT DOZE IN PIPELAYER MODE

- Dozing in pipelayer mode will severely damage the lockout cylinders, and could result in injury or death when lifting a load.
- Blade function speeds are reduced in pipelayer mode, switch to dozer mode for full dozer performance.
- Lower any supported load from the sideboom to the ground before switching to dozer mode

Read and understand the *Operation and Maintenance Manual* before operating the machine