



## **PROCEDURE TO FLUSH HYDRAULIC OIL**

1. Please read completely before proceeding.
2. Remove the targets from the machine.
3. Turn the machine on, press the **RIGHT** oscillation button and oscillate all the way to the right until the cylinder bottoms-out.
4. For a Wobble machine, push the **UP** button until the cylinder bottoms out.
5. Leave the throw arm in the cocked position and turn the machine off.
6. Stand clear of the throw arm and disconnect the return-line hose (the bottom coupling).
7. A male coupling with three or four feet of hose now needs to be connected to the bottom coupling to direct the flow of oil into a pail.
8. The throw arm should still be in the cocked position. Turn the pump on and run until drained. Then, take the disconnected return-line hose and hold at full length above the pump and depress the ball valve to drain the oil from the hose. **NOTE:** You need to use the tip of your thumb or a screwdriver when depressing the ball so that the hose isn't blocked.
9. Leaving the throw arm in the cocked position, turn off the pump.
10. Fill the tank with new oil. **USE 5W-20.** Add oil as needed after each of the following steps.
11. The next steps require having the pull cord release switch in your hand. First, turn the on/off/release switch **ON**.
12. Depress the pull cord button.
13. Turn the pump switch **ON**. The throw arm will fire and the turret will index.
14. Turn **OFF** the pump switch **IMMEDIATELY** when the throw arm has re-cocked.
15. Press the **LEFT** oscillation button and hold in while turning the pump switch **ON**. As soon as the cylinder bottoms-out, turn the pump **OFF**.
16. For the Wobble machine, Press the **DOWN** button and hold in while turning the pump switch **ON**. As soon as the cylinder bottoms-out, turn the pump **OFF**.
17. Re-connect the return-line hose. (See instruction 4)
18. The machine is now full of oil. Fill the tank to within one inch of the top.
19. Turn the machine on and move the wobble cylinder to center and move the oscillation cylinder to center. Resume normal operation.