

Inspection of the hydraulic cylinder

In order to validate if one or more seal(s) bypassed oil into a cylinder, without pressure-gauge, here is one way to make a test. Please follow the next steps.

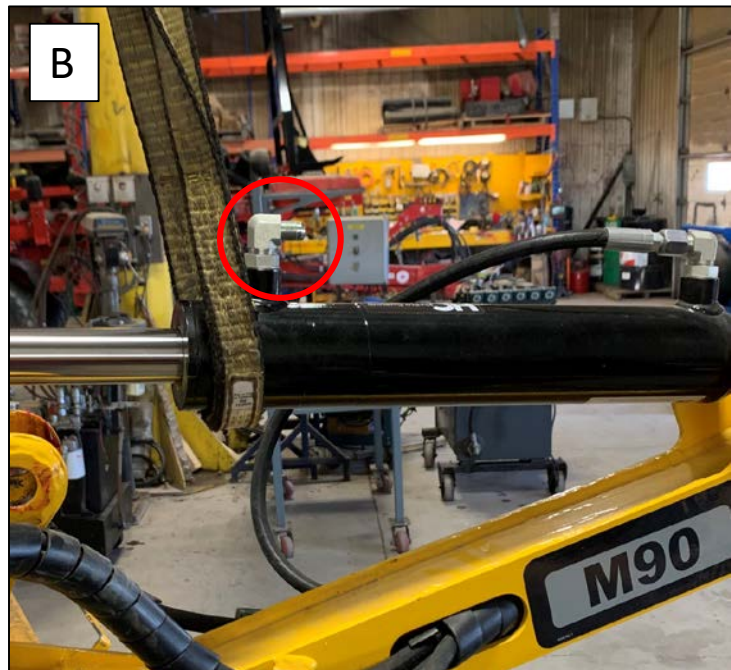
1- Remove the shaft of the cylinder rod side.

- In that case, install the grapple flat on the ground, but depending on which cylinder to test, a safe installation is strongly suggested. With a long nose pliers, remove the cutter pin of the shaft then remove the shaft with a hammer. Hold the cylinder with a hoist (if possible) then start the Honda engine (or the tractor).



2- Pull out the cylinder rod at its maximum stroke (A) then stop the Honda engine (or the tractor).

- Remove the hose on the piston rod side with a 3/4 wrench (B).
- Insert a plug into the hose if possible (#6 JIC male /# Anderson 450584). If not, place the hose in a can or other small container.



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Note: For the following steps, wearing protection glasses and a towel on the adaptor would be appropriately safe.

3-Start the engine (or the tractor) then activate the hydraulic lever in order to pull out the cylinder as done in step 2, by forcing while many seconds.

- If some oil go out of adaptor, stop immediately to activate the valve lever. It seems that there is an internal bypass.
- If only a few drops going out, that indicate that the cylinder is functioning well.
- If you did not have plug and the hose is in a can, it is normal that oil get out when the valve lever is activated. It is also possible to make the same test from the cylinder base by activating in the other way.

4- Place back the components and the test is done!



Required tools:

- Wrench 3/4
- Can or small container
- Long nose pliers
- Hammer
- 1 towel