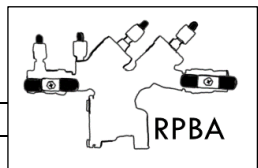


RPBA Test Using a Mako MK2 2-Valve Test Kit



Step	Procedure
1.	NOTIFY OWNER , identify, inspect, & observe assembly.
2.	OPEN TEST COCKS <ol style="list-style-type: none"> Open and leave open Test Cock (TC) #4, then TC #3, TC #2, and finally TC #1 Fully close TC #1, TC#2, TC #3, and TC #4 Note: If needed, install appropriate fittings to test cocks
3.	ATTACH TEST KIT <ol style="list-style-type: none"> Verify MK2 is turned on and captured values are cleared (Hold Down the Back Button) Close all MK2 test kit valves Connect high side hose from MK2 to TC #2 Connect low side hose from MK2 to TC #3 Connect bypass hose to low side bleed valve on MK2
4.	BLEED AIR FROM HOSES <ol style="list-style-type: none"> Slowly open TC #3 fully, then open low side bleed valve (leave open) Slowly open TC #2 fully, then open high side bleed valve (leave open)
5.	ISOLATE <ol style="list-style-type: none"> Close #2 shutoff valve Close high side bleed valve Wait for MK2 reading to stabilize, then slowly close the low side bleed valve <u>If relief valve doesn't open, RECORD the reading (Press the Capture Button) as the apparent differential pressure across the #1 Check Valve</u>
6.	TEST RELIEF VALVE <ol style="list-style-type: none"> Attach bypass hose from low side bleed valve to high side bleed valve Open high side bleed valve approximately 1 turn Slowly Open low side bleed valve <i>no more than ¼ turn</i> <u>RECORD psid reading (Press the Capture Button) at first discharge of water from the Relief Valve</u> Close both high and low bleed valves, then Detach bypass hose from the low side bleed valve
7.	TEST #2 CHECK VALVE <ol style="list-style-type: none"> Attach bypass hose from the high side bleed valve on MK2 to TC #4 Fully Open TC #4 Open low side bleed valve Once the reading exceeds the apparent differential pressure across #1 Check Valve, Slowly Close the low side bleed valve Open the high side bleed valve and wait for psid reading to stabilize <u>RECORD the #2 Check Valve as "closed tight" (relief valve closed) or "leaked" (relief valve opens)</u>
8.	TEST #1 CHECK VALVE (Static differential pressure across #1 check valve must be greater than the relief valve opening point AND at least 5.0 psid) <ol style="list-style-type: none"> With bypass hose still connected to TC #4 and high side bleed valve remaining open Open the low side bleed valve until the reading exceeds the apparent differential pressure across #1 Check Valve Slowly Close the low side bleed valve After the reading stabilizes, <u>RECORD psid reading (Press the Capture Button) across #1 Check Valve</u>
9.	REMOVE EQUIPMENT <ol style="list-style-type: none"> Close all test cocks Remove all test equipment and fittings Slowly open #2 shutoff valve Open Low and High Bleed valves; drain water from hose(s) Notify owner Fill out test report

