

# TECH TIPS

Service Call:

**Hot hydraulics  
(Load on engine-Hot hydraulics)**

Tools Needed:

#12 JIC Male Plug and Cap  
#8 JIC Male Plug  
6 MM Allen  
4 MM Allen

Model:

**All GTH 6K thru 8K**



## Tech Tips Safety Rules



### **Danger**

Failure to obey the instructions and safety rules in the appropriate Operator's Manual and Service Manual for your machine will result in death or serious injury. Many of the hazards identified in the operator's manual are also safety hazards when maintenance and repair procedures are performed.

### **Do Not Perform Maintenance Unless:**

- You are trained and qualified to perform maintenance on this machine.
- You read, understand and obey:
  - manufacturer's instructions and safety rules
  - employer's safety rules and worksite regulations
  - applicable governmental regulations
- You have the appropriate tools, lifting equipment and a suitable workshop.

The information contained in this tech tip is a supplement to the service manual. Consult the appropriate service manual of your machine for safety rules and hazards.

## Step 1

1. Check main pump pressure at the test port #1.

Note: The pressure test port is located on the right rear of the machine by the hydraulic tank.

2. Attach pressure gauge to test port #1.

Note: Pressure checks 1-4 run left to right

3. Verify that the parking brake is on

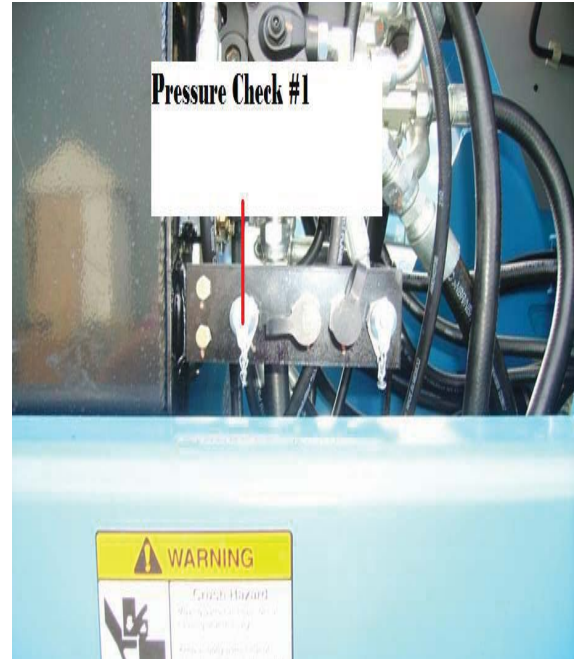
4. Start the unit and allow the engine to idle until the hydraulic fluid reaches normal operating temperature.

Result:

636 Model: 2800 at an idle

644-842-844 Models: 3000 at an idle

Note: If the pressure is not at the specification as referenced above, proceed to step 2 to make the necessary adjustments.



## Step 2

Adjusting the pump

1. Loosen set screw #1.
2. Adjust the pressure using the allen plug #2.

Note:

Turn clockwise to increase pressure.

Turn counter clockwise to decrease pressure.

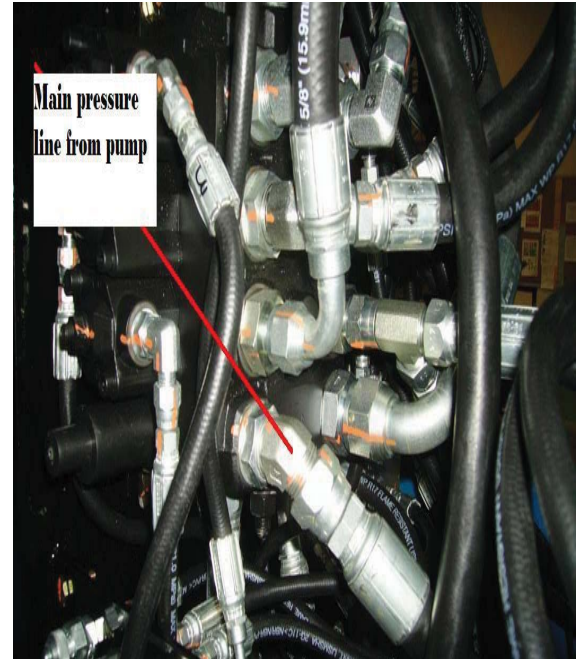
3. After each adjustment apply and release the service brake until the pressure holds.



## Step 3

1. If the pump pressure is correct and the engine is still laboring, shut the unit off and set the parking brake.
2. Remove the pressure line coming from the pump at the main valve assembly and plug it using a #12 JIC male plug. (bottom left 45 degree #12 JIC fitting)
3. Start the unit. If the engine does not smooth out after plugging the main pump line, the pump will need to be replaced. Order replacement pump 7-345-113.

Note: If the engine is no longer laboring after plugging the main pump line, the pump is good. Contact Technical Support at 800-536-1800 for assistance.



## Step 4

