

Sept, 2009

Changing 4450 and 4840 Hy Gard (Glen Arkansas)

* Glen said pull a good pull on charge pump screen plug to remove it. It is a fairly small wrench on a big plug. Also screen usually took a little working to remove it. I carefully used needle nose pliers to get a grip as I could pull it out, it is plastic frame with poly screen and somewhat delicate.

Glen recommended driving tractors to warm up & stir up Hy Gard before draining. We lowered 3pt hitch to empty cylinders of oil and for ease to refill but Glen said it is optional whether or not you leave 3pt hitch up or down.

On 4450 we drained clutch housing and under belly plugs. Glen said on 4450 there is a "drain" plug in front of right rock shaft where you could drain maybe a couple gallons more oil. He said he drains it but many do not, we chose not to @ this change.

The 4840 was easiest to drain most of its oil by letting it flow from the charge pump suction screen plug. Then once oil was down, we took out drain plug that book shows

Glen said there is a trick to getting charge pump suction screen plug to break loose if it won't come loose by wrench (^{luckily} ours did!).

The main thing to understand is to not damage the drain plug and its aluminum washer behind plug flanges so they won't leak upon reassembly. Glen uses a brass hammer to sharply strike a blow to plug. Brass would bend instead of plug flange. Otherwise he recommended a flat iron laid squarely on the plug to be smartly struck by a regular hammer to flatten aluminum washer a little so plug could be removed easier by wrench.

He said to change both hydraulic and transmission filters when oil reservoir is drained.

Refill with Hy Gard and then just start engine and hydraulic seat will rise indicating oil flow. You could turn wheels right & left etc.

4450 took $15\frac{3}{4}$ gallon Hy Gard to refill.

4840 took $16\frac{3}{4}$ gallon Hy Gard to refill.
(BOTH TRACTORS DO HAVE CHARGE PUMP SUCTION SCREENS!)