

Company Remanufactures Hydros With Care

Hydrostatic transmission remans can save a lot of money, but they're not usually do-it-yourself projects, says Cara Herrs of Herrs Machine. The company has been rebuilding hydrostatic transmissions since 1969. They out grew their original home-based business and built a larger new building in 1988 to accommodate the growth.

"Our most common repairs are IH tractor hydros, as well as combine hydros" says Herrs. "We have ag backgrounds, so we understand how quickly equipment needs to be up and running. In addition to our rebuild service, we keep a large inventory of parts, pumps, motors and exchange tractor hydros. We can usually ship out the same day that we get an order. We ship nationwide, including Canada."

Herrs suggests making a toll-free call for a cost estimate or technical support. To speed up the process; she recommends that customers have the model numbers and ID numbers off the unit before calling. A customer can send in their hydro parts to be inspected and reconditioned to factory specs.

The company works with tractors, combines, skid steers and a wide range of other equipment. However, long term specialties

have been IH tractor hydros. These were really long life transmissions and a lot of them had over 10,000 hours of use when they came in the shop. Cara's husband, Lawrence had worked with an IH dealer when tractor hydros came out in 1967, so many years of experience came into their business.

When parts come in for a rebuild, they are first visually inspected and measured using a micrometer. If parts pass inspection, they are machine lapped to within 1 millionth of an inch of perfect flatness. The tolerances are the same as factory specifications.

Once the unit has been remanned; it is thoroughly tested on the test stands under full load. Each step in the process is recorded. The Servo, Charge, and Drive pressures are set on the test stand. When the customers receive their unit, it is ready to be installed on their machine. Units are warrantied.



Herrs Machine has been remanufacturing hydraulic pumps and hydrostatic transmissions since 1969. Photo shows one of the company's 4 test stands.

This was our best year for tractor hydros in 46 years of business. We have a lot of new customers!

Contact: FARM SHOW Followup, Herrs Machine, 1745 Prospect Blvd., Washington, Kansas 66968 (ph 785-325-2875; or 877-525-2875; herrs23@yahoo.com; www.herrsmachine.com).

Reader Inquiry No. 13

Single And Dual Pto's For Stationary Engines

Why settle for either 540 or 1,000 rpm pto shafts on stationary engines when you can have both?

"Our first prototype was installed in the fall of 2003, and it's still working. Many tractors have the option of two speeds; this clutch/gear reduction assembly lets stationary engines have that option, too. A great way to make use of that idle engine. Saves you an extra tractor. Our customers use them on both mobile and stationary applications. Such as manure agitator/pumps, irrigation pumps, blowers and many other uses."

Beiler says the dual output is rated up to 175 (intermittent hp), single output (wider gears), and up to 250 (intermittent hp). Both dual and single output units have 3 standard input/engine speeds – 1,800, 2,150, and 2,400 rpm's. All geared to 1,000 and 540 on dual output.

Single output has one set of gears and can be purchased with either 1,000 or 540 rpm output. He says the units are simple to install and fit SAE standard gas and diesel engines. The units are available with 10-in., 11 1/2-in. single, and double plate mechanical clutches.

Units come with 1 3/8-6 (540), 1 3/8-21 (1,000), 1 3/4-20 (1,000) splined or straight keyed shafts.



Heavy-duty Tayloria single and dual output gearboxes are available from Beiler Engine and Mfg.

Now also available with optional 12-volt oil cooler kit.

Note: New larger clutch reduction assemblies, 250 to 400 (intermittent hp), fits SAE #1 bell housings and SAE #14-in. flywheels, in both double and triple plate clutches.

Need flywheels machined to SAE standards, such as truck, tractor and others? Call

Beiler. They run a machine shop and also manufacture gears and splines.

Contact: FARM SHOW Followup, Beiler Engine & Mfg. LLC, 1630 Georgetown Rd., Christiana, Penn. 17509 (ph 717 529-6595 from 8:00 to 8:30 a.m. EST, or leave message).

Reader Inquiry No. 14