



Bauer repowered a 4020 Deere LP model with the turbo diesel engine from a 7700 Deere combine.

## 4020 LP Repowered With Combine Engine

Hastings, Minn., farmer Robert Bauer has a long history of building handy items for his shop and repairing, restoring or modernizing farm implements and tractors. Recently, he repowered a 4020 LP Deere tractor with a turbo engine from a Deere 7700 combine. Bauer says the rebuild required as much time planning as the actual work.

"This project definitely wasn't a take one engine out and put a different one in kind of a deal," Bauer says. "The LP engine was shot, so everything on it had to go, including the tank. The turbo combine engine was longer than the LP model, so I had to make additional room on the frame by moving the fan and radiator forward about an inch. The ring gear from the combine engine was mated to the transmission with a new flywheel, and I installed a different clutch."

To improve the air intake, Bauer mounted an air cleaner from an old semi-tractor on the right side of the frame and built a new intake line to the engine. He replaced the LP tank with a diesel fuel tank from another 4020 tractor.

Bauer says the original 4020 had its oil filter in the pan, while the turbo engine had a spin-on filter. He replaced the OEM pan with a different one from a 4030 tractor to utilize the spin-on filter on the combine engine. Bauer also installed a completely new wiring harness for the 12V electrical system and reconfigured the throttle linkage for the existing tractor lever on the steering column.

"With the turbo in place, I couldn't use hydraulic levers on the old tractor dash, so I bought a new spool valve with one lever and mounted it on the side of the dash," Bauer says. He still has to build a new hood that replaces the LP model's openings for the exhaust pipe, air cleaner and LP tank.

Bauer says the tractor runs great with a nice growl from the turbo engine. It produces 140 hp compared to about 90 hp from the LP model. "I'll use it as a utility tractor to run the auger, pull wagons and work small fields for vegetable gardeners in the area."

Contact: FARM SHOW Followup, Robert Bauer, 10162 160th St. E., Hastings, Minn. 55033.

## Custom Wheel Horse Built To Fit Its Owner

Stan Krolkowski saw custom garden tractors at fairs and shows for years and often wondered why they were always built on an undersized frame rather than one more comfortable for an adult man. He wanted one slightly longer and higher off the ground, so he built one to his specifications.

Krolkowski's custom Wheel Horse is 9 ft. long and made from the frames of two Wheel Horse 18s. He raised the frame 4 in. to accommodate larger tires and provide more clearance. He transferred the rear fenders from one of the original tractors to fit over the front wheels and fabricated new ones for the rear. Power steering is handled by the assembly from a Deere 318, the only non-Wheel Horse part on his whole creation.

Power is supplied by a 23-hp Kohler engine and delivered to the drive train through a variable-speed hydraulic drive. Live hydraulics from a Sunstrand variable pitch hydraulic pump raise and lower rear attachments and control his custom-made 3 pt.

Krolkowski built an articulated steering system to shorten the turning radius of the extra-long tractor. The tractor oscillates side-to-side and is stable over uneven terrain. Stan says he built the tractor in six months doing all the design, fabricating and welding himself. He painted the tractor in authentic Wheel Horse colors and had custom decals

made to give the tractor a factory-made look.

Krolkowski says the tractor runs great and works exactly as he planned, pulling various attachments around his property. Many people see the tractor and think it was built by the Wheel Horse factory, which gives him a real sense of satisfaction for a job well done.

Contact: FARM SHOW Followup, Stan Krolkowski, Amsterdam, New York.



Pyzdrowski learned to drive this 2200 Massey forklift at his Dad's Massey dealership. He recently acquired it for his collection.

## His Massey Collection Includes Rare Forklifts And Snowmobiles

Andrew Pyzdrowski says his love affair with Massey industrial equipment began just a few days after his birth in 1971. "My mom was the bookkeeper for my dad's Central Square Massey dealership, and three days after I was born, she had me in a buggy beside her desk. That must've imprinted Massey in me for life because I've loved the brand since I was a kid."

His collection now includes more than 30 rubber-tired Massey tractors, seven payloaders, three forklifts, a couple of dozers, and more than 100 snowmobiles. One of his favorite possessions is a Massey 2200 forklift, almost identical to the one his dad owned. Pyzdrowski used to drive it to move equipment around his father's dealership.

"I was probably seven or eight years old when I learned how to operate that machine, and when I was a little older, I learned how to do maintenance work on it," Pyzdrowski says. "When dad closed the dealership, the 2200 was sold, and I vowed one day I'd own one like it or track the original machine down."

Eight years ago, Pyzdrowski learned that a farmer 45 min. away had bought the 2200



Collection includes payloaders, forklifts, dozers and more than 100 snowmobiles.

and sold it to a man who lived 90 minutes away. He recently found the owner and is trying to make a deal so the 2200 can join his growing collection.

"I also bought my dad's old dealership building with the goal of making it into a Massey museum," Pyzdrowski says. "My dad still has most of the old Massey service manuals, and I have signs, banners and other memorabilia. The desk my mother used to sit at will be there, so it'll look just like the original dealership when I get it done."

Contact: FARM SHOW Followup, Andrew Pyzdrowski, 1269 County Rte. 54, Fulton, N.Y. 13609.



Krolkowski built a custom Wheel Horse garden tractor from parts of other Wheel Horse machines.

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