



Grain vac's original equipment air pump is replaced with a bigger, harder pump that makes the vacuum system work "better than new".

## INCREASES CAPACITY BY UP TO 40%

# Grain Vacs "Repowered" With Industrial Air Pump

Gary Ash, Mansfield, Ill., is doing a brisk business replacing original equipment air pumps on grain vacs with blowers built for industrial use, increasing capacity by up to 40%.

Ash says his replacement pumps also last longer than original pumps because they're built much heavier.

"The Duraflow 4518 pump we use originally was designed to move cement. It's a bigger, harder pump that makes the vacuum system work better than new," says Ash. "A complete air pump and conversion kit can be installed for about half the price of a new vac. I make kits for all brands and models of grain vacs and do whatever it takes to match the pump to the vacuum. However, I mount the pump only on models with 6-in. dia. lines - the pump is too big for grain vacs with 5-in. lines. I get the vacuum and pressure lines to match up, install a new base plate, change the gearing, drive, and mount controls above pump and run new lines to the controls. We guar-

antee your grain vac will move more grain further than any vac made, new or used. We already have 1 million bu. on the first units and they're still working great.

"Air pumps are the biggest cost on a grain vac. However, most grain vacs don't work well because manufacturers over-rate their air pumps - they don't allow for tractors with slow pto's, wet corn, liners, elbows, or rubber on the end of the nozzle. The grain vac may be rated at 4,000 bu. per hour but actually have a capacity of only 1,700 bu. per hour - and therefore it takes 45 minutes to load a semi. The bottom line is that if the air pump is weak, the air lock runs half empty all the time.

"Price depends on the model and amount of retrofit work required. The pump sells for \$5,400, and the conversion kit can cost up to \$1,000."

Contact: FARM SHOW Followup, Midwest Agri Sales, Rt. 1, Box 312, Mansfield, Ill. 61854 (ph 217 586-5770).

## DUMPS HYDRAULICALLY OUT TO THE SIDE

# Tag-Along Grain Cart Dumps Out The Side

By C.F. Marley

When you farm on ridges, you want to keep travel through the field to a minimum. That's why Illinois farmer Tom Belton put together this tag-along cart to pull behind his Deere 8820 combine.

The cart gives Belton the capacity he needs to always get to the ends of the field. He knew he had to have a wagon with wheels that would match his ridged rows and he wanted one that would hold even more of a load than his combine yet would dump it quicker. He found what he needed in a wagon with a hydraulically-dumped hopper that lifts and pours its cargo out to the side.

Belton's combine carries 200 bu. and the tag-along dump cart holds an additional 300

bu. Both the combine and wagon can dump into a truck at the same time by pulling the combine to a 90° angle to the hauling truck.

The auger that fills the tag-along wagon is hydraulically driven with a pair of hydraulic motors on two separate sections of auger. It also folds hydraulically. It's supported by a pair of uprights at the back of the machine. When not in use, it's kept folded back over the combine.

Hookup of the wagon, which was originally designed to haul chopped forage, takes only about 15 min. The combine has rear-wheel assist to help pull the extra load.

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A complete refurbish job by Haugerud includes rebuilding the machine's positive displacement pump, as he's doing in this photo.

## Grain Vac Repair Specialist

If you're in the dark about where to go for parts or repair of your grain vac, look no farther. Canadian specialist Glen Haugerud can answer all your questions.

"Grain vacs need repairs after 10 or 12 years," says Glen Haugerud, who runs a grain vac repair business out of Craik, Sask. He pulls in jobs from all over western Canada and the western U.S.

"Three or four Canadian manufacturers and a couple of U.S. manufacturers have gone out of business in the last several years and a lot of farmers don't know where to go for parts or repairs anymore," Haugerud says. "That's what prompted me to go into business two years ago."

Glen's Grain Vac Services completely refurbishes about six grain vacs a month and does other service and repair work as well.

"I don't know of anyone else who's providing a service like his in the U.S. or Canada," says Peter Kingma, U.S. district manager of Walinga's Agri-Vac Division. "He does everything a manufacturer does when they repair or refurbish grain vacs, but his overhead's lower so he can do it for a lot less money."

For example, a complete refurbish job on a Walinga 510 vac runs \$3,995 (Ca-

nadian). That includes rebuilding the machine's positive displacement pump, installing a hydraulic truck loading kit to replace its original jack and flex pipe kit, putting on a pipe carrying package, increasing tank capacity by modifying the inside, widening all inlet outlets to 5 in. dia. instead of 4 in. to increase capacity, speeding up the blower from 2,900 to 3,400 cfm's, adjusting air locks, and repainting it.

"Most grain vacs just require that the blower be rebuilt," he says. That'll cost \$1,500 to \$2,500, depending on make and model and condition of the blower on arrival.

Occasionally, air locks have to be rebuilt for a cost of around \$1,000. Likewise, sometimes timing gears have to be replaced for a cost of between \$230 and \$1,300, depending on make and model.

"We work on all models and give cost estimates once we've seen the machine," says Haugerud, noting that he's had machines shipped to him from hundreds of miles away.

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Belton paid \$6,000 for Richardton cart that he pulls behind his Deere 8820 combine.