

# Portable Transfer Pumps For Waste Oil, Diesel Fuel

If you're looking for a lower cost, easy way to transfer oil or diesel fuel, Steve Chastain might have what you need. Frustrated by the lack of good pumps on the market, Chastain started making his own gear pumps using both off-the-shelf components and parts he cast himself. He sells them through his company, U.S. Filtermaxx.

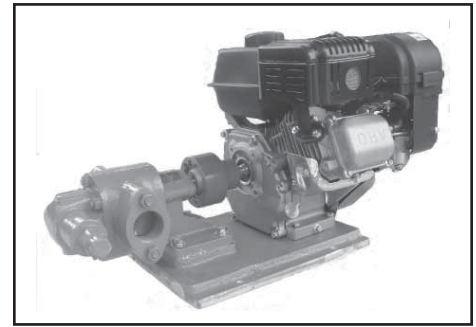
"We've dealt with waste oil for years, first using it as fuel for our foundry," says Chastain. "We used hand-crank pumps and vacuum pumps with compressors, which work well, but are not handy to carry around."

Chastain has been featured in FARM SHOW multiple times for his homemade iron smelting furnace, piston and parts casting, and most recently for his oil and fuel cleaning centrifuge (Vol. 38, No. 5).

"At first we came up with a small electric-powered transfer pump, but sometimes the used oil was in a remote place, so we went to gas motor-powered pumps," says Chastain. "As we got into supplying the filtration business, we got into bigger pumps. These are all for use with oil, diesel fuel, and other self-lubricating liquids, not with water or gas."

Chastain now offers his pumps with filtration systems. He says the pumps range from 10 gpm to 150 gpm. Prices range from \$500 to \$2,500. "Our most popular pump is a 24-gal. model that weighs 42 lbs. and comes with a 3 hp gas engine," says Chastain. "It's priced at about \$500."

He says he will build to suit a customer's needs. As Chastain notes, "When you have a foundry and a machine shop, you can do



Steve Chastain makes his own portable transfer pumps using both off-the-shelf components and parts he casts himself. His pumps can be fitted with filtration systems.

a lot of things others can't."

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Harvey Harrington used the alleyway that runs through his barn to set up a human foosball game. Six 12-ft. long metal pipes run across alleyway, which has a wooden goal at each end. Players must keep their hands on plastic sleeves that slide over pipes.

## Human Foosball Game Set Up In A Barn

"I recently modified the alleyway that runs through my barn to make a human foosball game," says Harvey Harrington, Dawn, Mo.

"We've played it with family and our church youth group and everyone thinks it's a lot of fun.

"It was fairly easy to construct and could be set up most anywhere with some modification. I ran six 12-ft. long pieces of 2 1/2-in. dia. metal pipe across the barn's alleyway and made a goal out of wood at each end. Lightweight plastic sleeves slide over the top of the metal pipes and each player must stay attached to the sliding sleeves, just like in real foosball. By staying attached, they can only reach so far and remain confined to their own space. The only thing I purchased was the pipe.

"We use a rubber ball because it's a little

## Trim Trees & Fencelines With Ease

Trimming hedges, brush and small trees is as easy as hopping on your tractor or skid steer with this hydraulic-powered cutter that attaches to a loader bucket.

A hydraulic motor powers an oscillating cam connecting two cutting blades. Changing the hydraulic flow changes the speed of the blades. The 38-in. cutter only requires 3 gal./min. hydraulic pressure and can be adjusted to cut vertically, horizontally, or at any angle in between. It comes complete with a universal mounting loader bracket.

The Sabre Samurai, as it's called, has been a proven asset for farmers, ranchers, golf courses, orchards, nurseries, & municipalities.

The Sabre is virtually maintenance free with sealed bearings and a self-lubricating motor. "Sickles are easily replaced because they are fastened with capscrews, not rivets," says Gaudes.

The Sabre was developed in conjunction with the Canadian Research Council's Industrial Technology Centre and tested by the Prairie Agricultural Machinery Institute, which said, "The ease of operating and adjusting the Sabre was excellent."

The Sabre Samurai sells for \$1,510 and

softer than a soccer ball. The game gets very competitive. I made up my own house/barn rules, since I couldn't find much information about such a game. Generally, the first team to score 5 points is the winner. We use a referee who blows a loud horn every time a score is made, and stops play if someone



Hydraulic-powered cutter attaches to loader bucket.

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gets too aggressive with their kicking.

"It's designed so we can quickly take the game apart in order to park my tractor in the alleyway."

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