

## Waste Oil Good Source Of Heat

We all enjoy having a shop that is comfortable to work in during the winter months. Used motor oil, hydraulic and transmission fluids, gear oil, vegetable oil, even diesel oil when mixed with regular used oil, are great sources of heat.

There are a lot of waste oil heaters on the market. The price scares most of us off. Not only the initial cost, but the maintenance requires calling a serviceman.

Many have tried to build a waste oil heater out of a barrel stove or wood heater by gravity feeding the oil. The problem is control of the fuel and air mixture – as the oil heats up it flows faster and you have to readjust it again and again or risk burning the shop down.

There is something that really works! The price is right because it's a kit you build and maintain yourself. It also burns so clean (and this is hard to believe unless you've seen it) that there is absolutely no visible smoke during normal operation.

Here is what makes it work so well: 1) A fuel pump with speed control allows full control of the amount of fuel going into the combustion chamber. 2) There is no nozzle to plug, a common problem with other waste oil heaters. 3) A combustion air blower with

air control allows matching the fuel with the right amount of air. 4) A cast iron combustion chamber creates an intense heat area to thoroughly vaporize the fuel for complete combustion. 5) The cascade assembly located in the bottom of the combustion chamber helps to break up the fuel for more complete burning. 6) The heaters are packed with steel heat exchanger tubes, extracting the maximum heat and protecting the barrels from burning out, giving them a very long life. 7) An air plenum and powerful blower will fill your shop with heat, not only the area right next to it.

There are three sizes of heater kits, for shops from the size of a garage up to 5,000 square feet or larger. Clear assembly instructions have photos and diagrams. You supply the barrel, flue pipe, and basic tools, and everything else is included in the kits. The heater is not thermostat controlled. Priced from \$1195 to \$1995, or \$545 for the



*PapaBurn (with cutout sides to show heat exchanger tubes)*



*BabyBurn*

oil pump and combustion control package alone, plus shipping.

Contact: FARM SHOW Followup, Harold Ag & Mobile Products, 1-800-541-8910; website: [www.wasteoilheater.net](http://www.wasteoilheater.net).

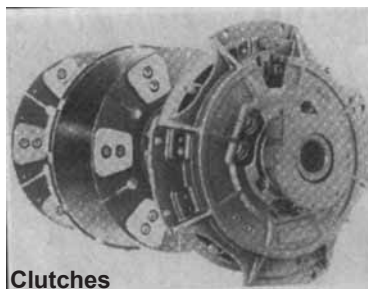
**Reader Inquiry No. 85**

## Longer Lasting Lining For Brakes, Clutches

"It virtually never wears out," says Dave Bortz, President of Tribco, Inc., which adapted the space age plastic fiber Kevlar for use on brake linings, clutch plates, automatic transmission friction discs and other parts that would otherwise be lined with asbestos, bronze or other types of friction linings.

Tribco has patents on Clutchtex® and Braketex®, the only 100% Kevlar-fibered composite friction materials. "Kevlar composite delivers higher torque and smoother operation and virtually eliminates brake, transmission and clutch plate wear after it's installed."

Dan Dolence from Grey Eagle, Minn. had a problem with his IH 450 and Super H tractors. "No one would use them," he says, since



**Clutches**

the old brake lining made them dangerous to operate. Now, he says everyone uses the tractors "with ease" and that "it's too good to be true." John Daly's IH Super M's Braketex® asbestos-free plates have also worked well on his 1650 acres in Cato, N.Y. for several seasons.

Gleason, Wisconsin repair shop Land Farm Equipment has installed dozens of Tribco brake and clutch plates in many different applications over the last 16 years. Their customers get smoother operating clutches and benefit with more than three times the wear life of the friction as well as the metal discs, drums and flywheels.

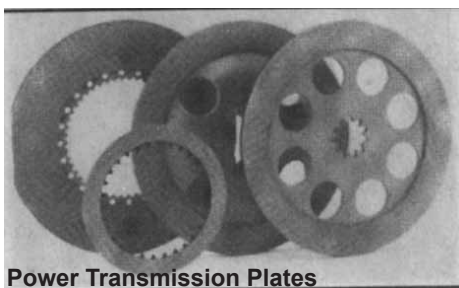
Tribco dealer, Duane Nielson of Allied Precision Products, Pocahontas, Iowa

(712-335-4250) has had particularly good results over many years with Clutchtex® lined plates on Deere 4020 tractors and front-end loaders in the many places he has used the products.

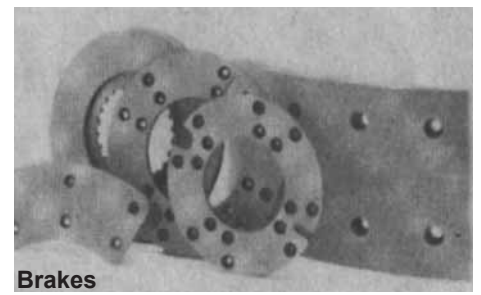
Clutches, power transmission plates, and brakes are available for all off-highway and agricultural equipment. Wet brake and transmissions plates are also available.

Contact: FARM SHOW Followup, Tribco Inc., 18901 Cranwood Pkwy., Warrensville Hts., Ohio 44128 (ph 216 486-2000) [www.tribco.com](http://www.tribco.com); or dealer, South Bend Clutch, Mishawaka, Ind. (ph 574 256-5064 or 800 988-4345).

**Reader Inquiry No. 86**



**Power Transmission Plates**



**Brakes**