

Reworked Deere Carburetor Burns Cleaner

Gary Hoefling, owner of Robert's Carburetor Repair, says he can clean up the black smoke and fouled spark plugs common to John Deere 3010/3020 and 4010/4020 tractors with their modified Zenith carburetor. He says their carburetor also makes the gas-fueled tractors more attractive to collectors.

"Diesels in those models can't be found," he says. "They've all been grabbed by collectors. If we can make the gas models burn cleaner and burn less fuel, we can add value to them too."

Robert's Carb can also rework the original Zenith cast iron carburetors. After seeing their improvements, Zenith agreed to make the changes and manufacture them.

"We've sold just over 300 of them, and the customers can't believe their tractors run so well," says Hoefling. "If the spark plugs foul in two years, I'll replace them."

Some additional machining and a Viton

fuel seal is all it takes to make these carbs work. In addition to offering the new Zenith carburetors, Robert's Carb can also rework original, existing Zenith carburetors for the 3010/3010 and 4010/4020 and other tractors as well.

"We also get a lot of people sending in non-Deere carburetors," he says. "If it's made out of cast or brass and burns gas, we can fix it."

The new replacement Zenith carburetor is priced at \$915 exchange. Repair to customer's carburetors is priced at a flat labor rate plus parts. Depending on the work required, most repairs take about 4 weeks to complete.

Contact: FARM SHOW Followup, Robert's Carburetor Repair, 1601 35th Ave W, Spencer, IA 51301 (ph 712-262-5311; robertscarb@smunet.net; or www.robertscarbrepair.com).



Gary Hoefling says his modified Zenith carburetor cleans up the black smoke and fouled spark plugs common to Deere 3010/3020 and 4010/4020 tractors.

Reader Inquiry No. 73

"Made It Myself"

Some of the best new ideas we hear about are "made it myself" inventions born in farmers' workshops. If you've got a new idea or favorite gadget you're proud of, we'd like to hear about it. Send along a photo or two, and a description of what it is and how it works. Is it being manufactured commercially? If so where can interested farmers buy it? Are you looking for manufacturers, dealers or distributors? Send to FARM SHOW, P.O. Box 1029, Lakeville, Minn. 55044 or call toll-free 800 834-9665. Or you can submit an idea at our website at www.farmshow.com.

Mark Newhall, Editor



Water-driven, self-cleaning screen is designed to work in water as shallow as 4 in.

Self-Cleaning Shallow Water Screen

Anyone who depends on surface water for irrigation will be interested in this self-cleaning screen that's designed to work in water as shallow as 4 inches.

"It draws water that's only 2 inches below the surface, which is usually the cleanest water. There's nothing else on the market that can pump out of such shallow water and also clean itself at the same time," says inventor Bob Wietharn.

The Riverscreen floats on four pontoons and draws water from more than 35 sq. feet of screening area. Water is delivered through a pipe available in 4, 6, 8, 10, or 12 inch diameter with 150 gpm to 4,000 gpm capacity. A screened rotating drum is supported by an aluminum frame that mounts

on the pontoons. Flowing water moves past a series of paddles, which force the drum to rotate and self-clean via a stainless steel mesh screen. As the screen rotates it is cleaned by a series of jets.

An optional electric drive can be added for use in extreme conditions such as manure lagoons. Also optional is a galvanized lift boom that lets one person quickly swing out and gently lower the Riverscreen to the water surface.

Contact: FARM SHOW Followup, Riverscreen Inc., 1925 Kiowa Road, Clay Center, KS 67432 (ph 785-632-5452; e-mail: Jessica@riverscreen.com; website: www.riverscreen.com).

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