



## Press Release



**For Immediate Release: 06/08/10**

### **Wagner Equipment Co. Unveils New Electric Drive Dozer At Special Event.**

Aurora, Colorado (May 18, 2010)


“Absolutely impressive!” That was just one of the phrases spectators used to describe the power produced by the electric drive system on the Cat<sup>®</sup> D7E track type tractor (dozer) during a series of special demonstrations at Wagner Equipment Co. in Aurora May 18 where governmental agencies and general contractors were some the first see the revolutionary earthmoving technology at work.

"The oil and gas industry uses this kind of machine for producing pads and getting pads ready while contractors use it to maintain, build, and prep construction sites. So quite a few people use this size machine," explained Dave Plohow, Wagner's General Sales Manager.

The overall efficiency of the new D7E results from its ability to better deliver engine power to the ground. This efficiency means the D7E can use a smaller engine than comparable competitive machines, yet it can outperform them. In addition, the engine runs in a narrow speed range (1,500-1,800 rpm) to further reduce fuel consumption and extend engine life.

Electric drive eliminates the torque converter, powershift transmission and related drive shafts used in all-mechanical designs. Eliminating these components significantly lessens cooling requirements, decreases the number of moving parts and reduces the volume of fluids required.

The D7E uses an electric drive system that delivers 10 to 30 percent greater fuel economy, greater productivity and lower lifetime service costs, compared with conventionally designed crawler tractors of equal weight and horsepower. The D7E meets the increasing demand for powerful, maneuverable, fuel-efficient dozers that have the versatility to work effectively in both production dozing and fine grading applications.



The Cat C9.3 ACERT™ diesel engine, rated at 235 net horsepower (175 kW) in the D7E, drives a powerful electrical generator that produces AC (alternating) current. Current flows through special armored cables and military-grade connectors to a solid-state inverter, then to the propulsion module. Within the propulsion module are two heavy-duty electric motors that drive through common gearing into the differential steering system. Power from the steering system is transferred via axels to mechanical, double-reduction final drives to provide smooth, infinitely variable driving force to the tracks. The engine in the D7E is entirely beltless, eliminating the need for belt maintenance and replacement.

For more information about the D7E, customers should contact us at 303-739-3000 or visit us at: [www.wagnerequipment.com/D7E/](http://www.wagnerequipment.com/D7E/)

# # #



Press Inquiries

Joseph Chavez  
 Tel: 303-739-3083  
 Fax: 303-739-3191  
[jchavez@wagnerequipment.com](mailto:jchavez@wagnerequipment.com)

Jon Gilbertson  
 Tel: 303-365-8911  
 Fax: 303-739-3191  
[jgilbertson@wagnerequipment.com](mailto:jgilbertson@wagnerequipment.com)

Please contact us for high resolution photos of the event.