

Case IH Steiger® 620 Tractor Sets New Performance Records for Fluid-efficient Horsepower and Maximum Pull in Nebraska Test Results

14 February 2017 by CASE IH

New test results prove the Case IH Steiger 620 is the most fluid-efficient and highest drawbar horsepower tractor in the world.

In recent tests at the **University of Nebraska Tractor Test Laboratory** (NTTL), the **Steiger 620 tractor** set new records for drawbar fuel efficiency, drawbar horsepower and maximum pull — outperforming all models ever tested.

“It’s one thing to generate a lot of horsepower,” said Mitch Kaiser, Case IH Steiger tractor marketing manager. “But it’s just as important to efficiently transfer that power throughout the tractor and, ultimately, to the ground and to the implement you’re pulling. That fluid efficiency — including diesel fuel and Diesel Exhaust Fluid (DEF) — translates directly to lower operating costs.”

In addition to the Steiger 620 achieving the highest marks recorded for any tractor ever tested at NTTL, the Steiger 580 scored the second-highest drawbar fuel economy ever recorded* at 17.53 horsepower hours per gallon — 6.63 percent higher than the tested competition in its power class.

The complete Steiger tractor lineup (370 to 620 horsepower) features best-in-class power, torque and fluid efficiency.

“Whether in the lab or in the field — where it really matters — our patented Selective Catalytic Reduction (SCR) emissions technology provides the most power and best fuel economy, even when pulling the heaviest loads,” Kaiser said. “Because our engines run cleaner and cooler and the power they generate transfers efficiently via the transmission and driveline, our customers reap the benefits of better fluid efficiency plus additional power dedicated to the drawbar.”

With Case IH engines, there’s no particulate filter to clean, no regeneration period and 600 operating hours between oil changes. Steiger engines are designed with maximum power while saving diesel and DEF. Average fluid operating cost is 2.2 percent less across Steiger tractors (370 to 620 horsepower) than comparable competitive models.

"In today's farming economy, it all comes back to increased performance with lower operating costs," Kaiser said. He added that, on average, Steiger tractors cost up to \$1,000 less to own and maintain than comparable John Deere® models.

The NTTL is the officially designated tractor testing station for the United States and tests tractors according to the Organization for Economic Co-operation and Development (OECD) codes. Twenty-nine countries adhere to the OECD tractor test codes, with active test stations in 25 countries around the world.

"These results are a true testament to our Customer Driven Product Design process," Kaiser said. "Through focus groups and continuous testing, our customers design and build our tractors right alongside Case IH engineers — ensuring this equipment is built for High-Efficiency Farming."

In addition to feedback that helped deliver the best fluid efficiency, horsepower, drawbar pull and torque in the industry, Kaiser credits customers as the driving force behind other best-in-class features of Steiger tractors. These include up to a 20 percent faster and smoother shifting transmission, resulting in a 2 percent to 5 percent horsepower savings; tri-point oscillation for greater strength and durability when transferring power to the ground; a standard variable rate steering system for smoother operation; and standard, exclusive full-cab suspension for the best ride in the industry.

Source: Alarcon & Harris; Case IH