

Kraft Assists with Haven Top Load Harvester Upgrade

Kraft improved the system's software and engineering design to be user friendly and run more efficiently.



Haven Harvester 5440

Haven Harvesters is a family-owned business that provides harvesters, precision parts and service to its growing partners. With help from Kraft, the company introduced the 2018 model line of self-propelled top-load blueberry harvesters.

Challenge

The previous harvester was expensive to operate and maintain. It incorporated a software system that lacked a field-ready service tool to adjust parameters or perform troubleshooting. In addition, the previous harvester was designed with a traction-control system that included a cumbersome, expensive, and heavy valve manifold.

Solution

Kraft provided the company better service and communication, as well as software, training and support for diagnostics and making adjustments on-site. They also engineered a more modern traction-control system that used variable displacement motors and smaller pilot pressure manifolds to reduce weight and cost, in addition to removing unnecessary pressure drop from the Hydrostatic drive system to improve efficiency.

Results

Haven Harvesters can now make adjustments immediately and troubleshoot on-site at little to no cost. Kraft's system design now allows the Haven 5440 and 5460 harvesters to run faster, more efficiently and more economical, with growers reporting more than 90 percent pack-out rates.

HIGHLIGHTS

CLIENT NAME

Haven Harvesters, LLC

LOCATION

South Haven, MI

PROFESSIONAL SERVICES

- Engineering & Software Design
- Field Sales & Consulting
- Application Field Testing

EQUIPMENT SPECIFIED

- Danfoss Plus +1 Systems
- Danfoss H1 Propel Pumps
- KV Wheel Motors
- Danfoss ICS Traction Control Manifold
- Danfoss Series 45 work function pump
- Orbital X Motors, EMD Sensors
- Danfoss Gear Pump & Motors
- Danfoss Joysticks
- Danfoss Load Sense Steering
- Danfoss PVG 32 Valves

RESULTS

- Custom software design with diagnostic abilities
- Improved customer-to-supplier relationship, communication
- Less cumbersome, expensive to operate with 90% pack-out rates

CLIENT QUOTE

"Kraft sets the benchmark for customer-to-supplier relationships, providing what it takes to support us; excellent customer technical support, along with one of the world's leading fluid power product lines - Danfoss."
-Garrett Spencer, GM, Haven Harvesters