

HIGHLIGHTS

Properly Sized Wheel Drives Optimizes Oxbo Harvester

Kraft Works with Oerlikon Fairfield to Recommend Robust Torque Hub Drive Solution for New Corn Harvester



Oxbo 8840 Corn Harvester

An early prototype drive package for the Oxbo 8840 Corn Harvester faced problems during the research and development phase prior to product launch. All equipment from Oxbo undergoes rigorous testing prior to release.

Challenge

The initial equipment tested for the Oxbo 8840 corn harvester experienced longevity and fatigue failures during initial validation protocols. A more robust system was required for proper functionality and longer system life. Oxbo called on the experts at Kraft Fluid Systems to help them specify a more durable solution.

Solution

Kraft brought a solution to Oxbo using Oerlikon Fairfield Torque Hub wheel drives. After thorough assessment of needs, machine requirements, specifications, and features, Kraft proposed a properly sized and rated CO series solution for the four-wheel drive harvester. Kraft sales and application personnel worked closely with Oxbo designers and Fairfield's application engineering department for the approved solution. Kraft and Fairfield provided evaluation support during prototype testing, and multiple inspections and analysis were performed on units at various stages of the prolonged testing.

Results

Properly sized Torque Hub CO drive components specified in the Oxbo 8840 Corn Harvester resulted in optimal equipment performance and product life during testing. Testing was based on the duty cycle of the machine which resulted in better performance and longer life of the drive system.

CLIENT NAME

Oxbo International Corporation

LOCATION

Byron, New York

PROFESSIONAL SERVICES

- Engineering Design
- Field Sales
- Application Field Testing

EQUIPMENT SPECIFIED

- Fairfield Torque Hub® CO17
- Fairfield Torque Hub® CO26

RESULTS

Proper sized and rated drive components resulted in optimized performance and longer life.

CLIENT QUOTE

"Kraft served as a strategic partner throughout the 8840 development and testing process. The team supported us with excellent technical information and support to ensure we delivered a product that exceeded our customers' expectations."

*-Mark Woodruff
Oxbo International Corporation*