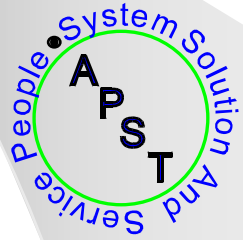
Advanced Power Systems Technologies, Inc.

- OSB PRESS CONVERSIONS



“C” Pump conversion

- The following is a conversion of the “C” Pumps control and the replacement of the hard piping with a hose and manifold conversion.
- This conversion eliminates the decompression shock and pressure spikes of over 5500 psi every time the pump loaded or unloaded
- Unlike other systems this has proven to be reliable and reduced Repairs to a minimum.

The removal of the hard piping and addition of the hose and manifold package eliminated repairs and makes component replacement a breeze.

Benefits

This conversion reduced maintenance of the entire hydraulic system to virtually no repairs over the last three years. Between the two sister facilities they estimate a savings of 500K per year in reduction of power cost. We were able to remove a total of 1000 Hp between the two plants and still improve the closing speeds.

Reasons for Conversion

- Reduced Piping failures
- Eliminate premature pump failure
- Superior control of the closing of the press
- Increase reliability of entire system
- Reduce Operational COST

Original System

- Hard Piped
- Digital control

Conversion In Process

Finished Conversion

- Hoses/Manifold
- Proportional/Analog control
- Easy To Maintain
- Smooth Control

This Conversion was installed along with a proportional prefill shift package. We recommend both conversions be performed at the same time.

Most WIW presses need the proportional fast down/slow down and new Servo Pump packages to eliminate all the shock seen in the hydraulic system.

Ultimately the complete conversions include a new tank design that defuses the flow coming back from the mains and a Pilot pressure conversion that provides constant control of the valves and reduces trouble shooting times.

The shock induced by a poor control system greatly increases the chance of premature failure of your Crowns, Bases, Piping, Columns and simultaneous systems.

We Look Forward to Servicing Your Future Needs for All of Your Hydraulic and Pneumatic System Requirements.