

Case Study: Tomato Paste

Application

Transfer tomato paste from flash cooler to filler.

Specifications

Flow: 135 GPM (30.7 m³/hr),
Pressure: 170 PSI (11.7 bar).

Challenge

Pumps need to operate entire season to maximize process time.

Issue

High Pressure.

Products with Similar Challenges

- Butter
- Juice concentrates
- Ground meat



FKL Capabilities

FKL Models: 11

Max. Discharge Pressure: 500 psi (35 bar)

Max. Flow Rate: 900 gpm (200 m³/hr)

Max. Viscosity: 1,000,000 cps



FKL Saves \$20K/Pump in Yearly Rebuilds

A large tomato processor, using another brand of positive displacement (PD) pumps, was having difficulty getting their pumps to last the entire 120-day processing season without wearing out. The processor was having to 'rebuild' the pumps every year at a cost equal to 65% of the price of a new pump.

Solution

The processor replaced their old PD pumps with a larger capacity, higher pressure capable Fristam FKL 600 operating at 60 RPM.

Why It Worked

The FKL's increased pressure capability prevented housing wear due to shaft and rotor deflection.

Because FKL can withstand much higher pressure than other PD pumps, there was no pump wear during processing.

To read the complete story, visit: www.fristam.com/fkl-apps

Call Fristam to discuss your application today: 800-841-5001.

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