

Case Study: HFCS Transfer

Application

Transfer high fructose corn syrup (HFCS) with CIP'able pumps

Specifications

Flow: 50-75 GPM

Pressure: 40-55 PSI

Temperature: 80-90° F

Viscosities: up to 500 CPS

Challenge

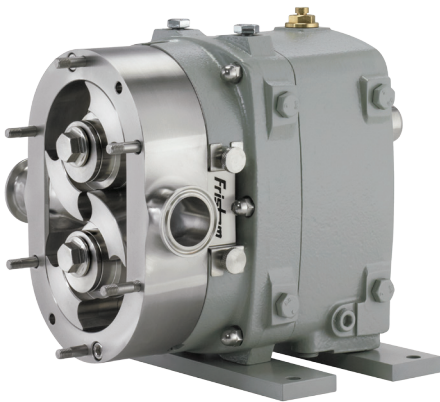
Reduce repair costs due to rotor damage from weekly COP

Issue

Cleaning time and parts damage

Products with Similar Challenges

- Greek yogurt
- Fruit purée
- Egg yolk



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 200 Hours Maintenance and \$6,400/Year

A soft drink bottler was tearing down their old pumps daily for COP (Clean out of place), wasting time and opening up the chance for damaging parts.

Solution

The processor replaced their non-CIP'able pumps with FKL 150A positive displacement pumps with double seals and CIP capability. They eliminated a weekly 3-4 hour teardown and cleaning of the pumps and now save \$3,200/pump in replacement rotor costs every year.

Why It Worked

The design of the Fristam FKL allows CIP flow to reach all areas of the pump, including the seals, while maintaining tight internal clearances for high efficiency, gentle product handling and minimal shear.

Other manufacturers modify their PD pumps by increasing clearances for rotor-in CIP. These increased clearances reduce efficiency. 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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